

| | |
|---------------------|--|
| (Aaron, 1995) | Aaron, J. J.; Maafi, M.; Párkányi, C.; Boniface, C., Quantitative Treatment of the Solvent Effects on the Electronic Absorption and Fluorescence Spectra of Acridines and Phenazines. The Ground and First Excited Singlet-State Dipole Moments. <i>Spectrochim. Acta A</i> 1995 , <i>51</i> (4), 603-615. |
| (Abe, 1958) | Abe, T., Ultraviolet Absorption Spectra of Nitro-, Dinitro- and Trinitro-substituted Benzenes. <i>Bulletin of the Chemical Society of Japan</i> 1958 , <i>31</i> (8), 904-907. |
| (Abu-Eittah, 1988) | Abu-Eittah, R.; Obaid, A.; Basahl, S.; Diefallah, E., Molecular Orbital Treatment of Some Amino Acids. <i>Bulletin of the Chemical Society of Japan</i> 1988 , <i>61</i> (7), 2609-2613. |
| (Abu-Eittah, 1985) | Abu-Eittah, R. H.; El-Tawil, B. A. H., The Electronic Absorption Spectra of Some Coumarins. A Molecular Orbital Treatment. <i>Can. J. Chem.</i> 1985 , <i>63</i> (6), 1173-1179. |
| (Achremowicz, 1982) | Achremowicz, L.; Młochowski, J.; Mora, C.; Skarżewski, J., The Complexes of Dipicolinic Acid and Related Compounds in Oxidation of Organic Substrates. <i>J. Prakt. Chem.</i> 1982 , <i>324</i> (5), 735-742. |
| (Adler, 1962) | Adler, T. K., Fluorescence Properties of Mono- and Poly-azaindoles. <i>Anal. Chem.</i> 1962 , <i>34</i> (6), 685-689. |
| (Agati, 1990) | Agati, G.; Fusi, F., New Trends in Photobiology (Invited Review): Recent Advances in Bilirubin Photophysics. <i>J. Photoch. Photobio. B</i> 1990 , <i>7</i> (1), 1-14. |
| (Al-Amoudi, 2015) | Al-Amoudi, M. S.; Salman, M.; Al-Majthoub, M. M.; Adam, A. M. A.; Alshanbari, N. A.; Refat, M. S., Spectral Studies to Increase the Efficiency and Stability of Laser Dyes by Charge-Transfer Reactions for Using in Solar Cells: Charge-Transfer Complexes of Ponceau S with <i>p</i> -Chloranil, Chloranilic and Picric Acids. <i>Res. Chem. Intermed.</i> 2015 , <i>41</i> (5), 3089-3108. |
| (Al-Omari, 2009) | Al-Omari, S.; Ali, A., Photodynamic Activity of Pyropheophorbide Methyl Ester and Pyropheophorbide a in Dimethylformamide Solution. <i>Gen. Physiol. Biophys.</i> 2009 , <i>28</i> (1), 70-77. |
| (Albers, 1936) | Albers, V. M.; Knorr, H. V., Spectroscopic Studies of the Simpler Porphyrins: I. The Absorption Spectra of Porphin, <i>ms</i> -Methyl Porphin, <i>ms</i> -Ethyl Porphin, <i>ms</i> -Propyl Porphin and <i>ms</i> -Phenyl Porphin. <i>Journal of Chemical Physics</i> 1936 , <i>4</i> (7), 422-425. |
| (Albert, 1965) | Albert, A., Acridine Syntheses and Reactions. Part VI. A New Dehalogenation of 9-Chloroacridine and its Derivatives. Further Acridine Ionisation Constants and Ultraviolet Spectra. <i>J Chem Soc</i> 1965 , (Sep), 4653-4657. |
| (Alekseev, 1988) | Alekseev, N. N.; Gorelenko, A. Y.; Zen'kevich, É. I.; Kalosha, I. I.; Chernook, A. V., Photonics of a Bifluorophore with an Oxazine Fragment. <i>Zhurnal Prikladnoi Spektroskopii</i> 1988 , <i>49</i> (3), 480-485. |
| (Ali, 2014) | Ali, A.; Uzair, S.; Malik, N. A.; Ali, M., Study of Interaction between Cationic Surfactants and Cresol Red Dye by Electrical Conductivity and Spectroscopy Methods. <i>J. Mol. Liq.</i> 2014 , <i>196</i> , 395-403. |
| (Allen, 1988) | Allen, M. T.; Miola, L.; Whitten, D. G., Host-Guest Interactions: A Fluorescence Investigation of the Solubilization of Diphenylpolyene Solute Molecules in Lipid Bilayers. <i>Journal of the American Chemical Society</i> 1988 , <i>110</i> (10), 3198-3206. |
| (Allen, 1989) | Allen, M. T.; Whitten, D. G., The Photophysics and Photochemistry of α,ω -Diphenylpolyene Singlet States. <i>Chemical Reviews</i> 1989 , <i>89</i> (8), 1691-1702. |
| (Ambroise, | Ambroise, A.; Li, J.; Yu, L.; Lindsey, J. S., A Self-Assembled Light-Harvesting Array of Seven Porphyrins in a Wheel and |

| | |
|-----------------------------|--|
| (2000) | Spoke Architecture. <i>Org. Lett.</i> 2000 , 2 (17), 2563-2566. |
| (Antony Muthu Prabhu, 2010) | Antony Muthu Prabhu, A.; Venkatesh, G.; Rajendiran, N., Azo-hydrazo Tautomerism and Inclusion Complexation of 1-phenylazo-2-naphthols with Various Solvents and β -cyclodextrin. <i>J. Fluoresc.</i> 2010 , 20 (4), 961-972. |
| (Arai, 1979) | Arai, G.; Onozuka, M., Mechanism of the Reaction of Chloro- <i>p</i> -benzoquinones with Sodium Sulfite. <i>Nippon Kagaku Kaishi</i> 1979 , (2), 243-247. |
| (Aramendia, 1988) | Aramendia, P. F.; Krieg, M.; Nitsch, C.; Bittersmann, E.; Braslavsky, S. E., The Photophysics of Merocyanine 540. A Comparative Study in Ethanol and in Liposomes. <i>Photochemistry and Photobiology</i> 1988 , 48 (2), 187-194. |
| (Aramendia, 1994) | Aramendia, P. F.; Negri, R. M.; San Román, E., Temperature Dependence of Fluorescence and Photoisomerization in Symmetrical Carbocyanines. Influence of Medium Viscosity and Molecular Structure. <i>Journal of Physical Chemistry</i> 1994 , 98 (12), 3165-3173. |
| (Aravindu, 2013) | Aravindu, K.; Kim, H.-J.; Taniguchi, M.; Dilbeck, P. L.; Diers, J. R.; Bocian, D. F.; Holten, D.; Lindsey, J. S., Synthesis and Photophysical Properties of Chlorins Bearing 0–4 Distinct <i>meso</i> -Substituents. <i>Photochem. Photobiol. Sci.</i> 2013 , 12 (12), 2089-2109. |
| (Armitage, 1954) | Armitage, J. B.; Entwistle, N.; Jones, E. R. H.; Whiting, M. C., Researches on Acetylenic Compounds. Part XLI. The Synthesis of Diphenylpolyacetylenes. <i>J Chem Soc</i> 1954 , (JAN), 147-154. |
| (Arunkumar, 2006) | Arunkumar, E.; Fu, N.; Smith, B. D., Squaraine-Derived Rotaxanes: Highly Stable, Fluorescent Near-IR Dyes. <i>Eur. J. Biochem.</i> 2006 , 12 (17), 4684-4690. |
| (Arvin, 2013) | Arvin, M.; Dehghan, G.; Hosseinpourfeizi, M. A.; Moosavi-Movahedi, A. A., Spectroscopic and Electrochemical Studies on the Interaction of Carmoisine Food Additive with Native Calf Thymus DNA. <i>Spectrosc. Lett.</i> 2013 , 46 (4), 250-256. |
| (Asghar, 2007) | Asghar, B. H. M.; Crampton, M. R., Carbanion Reactivity; Studies of σ -Adduct Formation from Benzyltriflone Anions and 4-Nitrobenzofurazan Derivatives. <i>J. Phys. Org. Chem.</i> 2007 , 20 (9), 702-709. |
| (Ashby, 2003) | Ashby, K. D.; Wen, J.; Chowdhury, P.; Casey, T. A.; Rasmussen, M. A.; Petrich, J. W., Fluorescence of Dietary Porphyrins as a Basis for Real-Time Detection of Fecal Contamination on Meat. <i>J. Agr. Food Chem.</i> 2003 , 51 (11), 3502-3507. |
| (Ayupbek, 2012) | Ayupbek, A.; Hu, K.-I.; Aisa, H. A., Chemical Constituents from the Leaves of <i>Sorbus tianschanica</i> . <i>Chem. Nat. Compd.</i> 2012 , 48 (1), 133-134. |
| (Azim, 1999) | Azim, S. A., Photo-Degradation and Emission Characteristics of Benzidine in Halomethane Solvents. <i>Spectrochim. Acta A</i> 1999 , 56, 127-132. |
| (Aziz, 2010) | Aziz, S.; Dumas, S.; El Azzouzi, M.; Sarakha, M.; Chovelon, J.-M., Photophysical and Photochemical Studies of Thifensulfuron-Methyl Herbicide in Aqueous Solution. <i>J. Photoch. Photobio. A</i> 2010 , 209 (2-3), 210-218. |
| (Bacellar, 2014) | Bacellar, I. O. L.; Pavani, C.; Sales, E. M.; Itri, R.; Wainwright, M.; Baptista, M. S., Membrane Damage Efficiency of Phenothiazinium Photosensitizers. <i>Photochemistry and Photobiology</i> 2014 , 90 (4), 801-813. |
| (Badger, 1964) | Badger, G. M.; Laslett, R. L.; Jones, R. A., Porphyrins: VII. The Synthesis of Porphyrins by the Rothemund Reaction. <i>Aust. J. Chem</i> 1964 , 17 (9), 1028-1035. |

| | |
|------------------------|--|
| (Barata-Vallejo, 2013) | Barata-Vallejo, S.; Flesia, M. M.; Lantaño, B.; Argüello, J. E.; Peñéñory, A. B.; Postigo, A., Heterogeneous Photoinduced Homolytic Aromatic Substitution of Electron-Rich Arenes with Perfluoroalkyl Groups in Water and Aqueous Media – A Radical-Ion Reaction. <i>Eur. J. Org. Chem.</i> 2013 , 2013 (5), 998-1008. |
| (Barker, 1958) | Barker, C. C.; Emmerson, R. G.; Periam, J. D., Triphenylene: an Examination of Modified Mannich Syntheses, and an Improvement of the Rapson Synthesis. <i>J Chem Soc</i> 1958 , (Mar), 1077-1080. |
| (Barnett, 1975) | Barnett, G. H.; Hudson, M. F.; Smith, K. M., Concerning <i>meso</i> -Tetraphenylporphyrin Purification. <i>J. Chem. Soc. Perkin Trans. I</i> 1975 , (14), 1401-1403. |
| (Barros, 2006) | Barros, T. C.; Cuccovia, I. M.; Farah, J. P. S.; Masini, J. C.; Chaimovich, H.; Politi, M. J., Mechanism of 1,4,5,8-Naphthalene Tetracarboxylic Acid Dianhydride Hydrolysis and Formation in Aqueous Solution. <i>Org. Biomol. Chem.</i> 2006 , 4 (1), 71-82. |
| (Barth, 1977) | Barth, G.; Linder, R. E.; Waespe-Sarcevic, N.; Bunnenberg, E.; Djerassi, C.; Aronowitz, Y. J.; Gouberman, M., Magnetic Circular Dichroism Studies. Part 45. A Comparison between Magnetic Circular Dichroism and Shpol'skii Spectra of Palladium, Zinc, and Magnesium Porphin. <i>Journal of the Chemical Society, Perkin Transactions 2</i> 1977 , (3), 337-343. |
| (Bartoloni, 2013) | Bartoloni, F. H.; Gonçalves, L. C. P.; Rodrigues, A. C. B.; Dörr, F. A.; Pinto, E.; Bastos, E. L., Photophysics and Hydrolytic Stability of Betalains in Aqueous Trifluoroethanol. <i>Monatsh. Chem.</i> 2013 , 144 (4), 567-571. |
| (Barton, 1981) | Barton, D. H. R.; Brewster, A. G.; Ley, S. V.; Read, C. M.; Rosenfeld, M. N., Oxidation of Phenols, Pyrocatechols, and Hydroquinones to <i>ortho</i> -Quinones using Benzeneseleninic Anhydride. <i>J. Chem. Soc. Perkin Trans. I</i> 1981 , (5), 1473-1476. |
| (Barton, 1982) | Barton, D. H. R.; Hui, R. A. H. F.; Ley, S. V., Oxidation of Benzylic Hydrocarbons with Benzeneseleninic Anhydride and Related Reactions. <i>J. Chem. Soc. Perkin Trans. I</i> 1982 , (9), 2179-2185. |
| (Batoeva, 2012) | Batoeva, A. A.; Sizykh, M. R., Oxidation of Azo Dyes in Aqueous Solutions by Combined Methods. <i>Russ. J. Appl. Chem.</i> 2012 , 85 (1), 76-80. |
| (Bayliss, 1953) | Bayliss, N. S.; Hulme, L., Solvent Effects in the Spectra of Benzene, Toluene, and Chlorobenzene at 2600 and 2000 Å. <i>Aust. J. Chem</i> 1953 , 6 (3), 257-277. |
| (Beale, 1953) | Beale, R. N.; Roe, E. M. F., Ultra-violet Absorption Spectra of <i>trans</i> - and <i>cis</i> -Stilbenes and Their Derivatives. Part I. <i>trans</i> - and <i>cis</i> -Stilbenes. <i>J Chem Soc</i> 1953 , (Sep), 2755-2763. |
| (Beauchamp, 1976) | Beauchamp, Y.; Durocher, G., Processus Radiatif et Non-Radiatif de L'état Premier Singulet Excité Chez les Dérivés Fluorés du Benzene en Solution dans L'éthanol. <i>Spectrochim. Acta A</i> 1976 , 32 (2), 269-276. |
| (Becker, 1976) | Becker, R. S.; Hug, G.; Das, P. K.; Schaffer, A. M.; Takemura, T.; Yamamoto, N.; Waddell, W., Visual Pigments. 4. Comprehensive Consideration of the Spectroscopy and Photochemistry of Model Visual Pigments. <i>Journal of Physical Chemistry</i> 1976 , 80 (20), 2265-2273. |
| (Becker, 1971) | Becker, R. S.; Inuzuka, K.; Balke, D. E., Comprehensive Investigation of the Spectroscopy and Photochemistry of Retinals. I. Theoretical and Experimental Considerations of Absorption Spectra. <i>Journal of the American Chemical Society</i> 1971 , 93 (1), 38-42. |
| (Beija, 2009) | Beija, M.; Afonso, C. A. M.; Martinho, J. M. G., Synthesis and Applications of Rhodamine Derivatives as Fluorescent Probes. |

| | |
|-----------------------|---|
| | <i>Chem. Soc. Rev.</i> 2009 , 38 (8), 2410-2433. |
| (Belair, 2002) | Belair, J. P.; Ziegler, C. J.; Rajesh, C. S.; Modarelli, D. A., Photophysical Characterization of Free-Base N-Confused Tetraphenylporphyrins. <i>J. Phys. Chem. A</i> 2002 , 106 (27), 6445-6451. |
| (Benmansour, 2011) | Benmansour, B.; Stephan, L.; Cabon, J.-Y.; Deschamps, L.; Giamarchi, P., Spectroscopic Properties and Laser Induced Fluorescence Determination of Some Endocrine Disrupting Compounds. <i>J. Fluoresc.</i> 2011 , 21 (3), 843-850. |
| (Benniston, 1994) | Benniston, A. C.; Harriman, A.; Gulliya, K. S., Photophysical Properties of Merocyanine 540 Derivatives. <i>J. Chem. Soc. Faraday Trans.</i> 1994 , 90 (7), 953-961. |
| (Benson, 1977) | Benson, R. C.; Kues, H. A., Absorption and Fluorescence Properties of Cyanine Dyes. <i>J. Chem. Eng. Data</i> 1977 , 22 (4), 379-383. |
| (Berezin, 2003) | Berezin, D. S.; Toldina, O. V.; Kudrik, E. V., Complex Formation and Spectral Properties of <i>meso</i> -Phenyltetraporphyrins in Pyridine and <i>N,N</i> -Dimethylformamide. <i>Russ. J. Gen. Chem.</i> 2003 , 73 (8), 1309-1314. |
| (Berlman, 1965) | Berlman, I. B., <i>Handbook of Fluorescence Spectra of Aromatic Molecules</i> . Academic Press: New York, 1965. |
| (Berlman, 1971) | Berlman, I. B., <i>Handbook of Fluorescence Spectra of Aromatic Molecules</i> . Second ed.; Academic Press: New York, 1971. |
| (Berne, 1972) | Berne, D. H.; Popovych, O., Solubilities and Medium Effects of Tetraphenylgermane, Tetraphenylmethane, and Tetraphenylsilane in Acetonitrile, Methanol, and Some Ethanol-Water Solvents. <i>Anal. Chem.</i> 1972 , 44 (4), 817-820. |
| (Bettermann, 1991) | Bettermann, H.; Schroers, H.-J., Laser-Induced Intermolecular Photocycloaddition of 3,4,5,6-Tetrachloro-1,2-benzoquinone. <i>Spectrochim. Acta A</i> 1991 , 47 (7), 893-896. |
| (Bhattacharyya, 1987) | Bhattacharyya, K.; Rajadurai, S.; Das, P. K., Micellar Effects on Photoprocesses in Retinyl Polyenes. <i>Tetrahedron</i> 1987 , 43 (7), 1701-1711. |
| (Bhowmik, 1987) | Bhowmik, B. B.; Chaudhuri, R.; Rohatgi-Mukherjee, K. K., Dye-Surfactant Interaction & Photogalvanic Effect. <i>Indian J. Chem. A</i> 1987 , 26 (2), 95-98. |
| (Bhuchar, 1984) | Bhuchar, V. M.; Agarwal, A. K., Selection of Suitable Indicators from Comparison of Colour Transformation in Terms of Index of Molar Color Discrimination. <i>Indian J. Chem. A</i> 1984 , 23 (3), 262-264. |
| (Bichenkova, 2001) | Bichenkova, E. V.; Frau, S.; Fedorova, O. S.; Douglas, K. T., Binding of a Desmetalloporphyrin Conjugate of Hoechst 33258 to DNA. III. Strong Binding to Single-Strand Oligonucleotides. <i>Nucleos. Nucleot. Nucl.</i> 2001 , 20 (1-2), 157-168. |
| (Bilmes, 1989) | Bilmes, G. M.; Tocho, J. O.; Braslavsky, S. E., Photophysical Processes of Polymethine Dyes. An Absorption, Emission, and Optoacoustic Study on 3,3'-Diethylthiadicarbocyanine Iodide. <i>Journal of Physical Chemistry</i> 1989 , 93 (18), 6696-6699. |
| (Birge, 1987) | Birge, R. R., <i>Kodak Laser Dyes</i> . Laboratory and Research Products Division, Eastman Kodak Co.: Rochester, NY, 1987. |
| (Birks, 1963) | Birks, J. B.; Dyson, D. J., The Relations between Fluorescence and Absorption Properties of Organic Molecules. <i>Proc. R. Soc. Lon. Ser.-A</i> 1963 , 275 (1360), 135-148. |
| (Bissell, 1981) | Bissell, E. R.; Larson, D. K.; Croudace, M. C., Some 7-Substituted 4-(Trifluoromethyl)coumarins. <i>J. Chem. Eng. Data</i> 1981 , 26 (3), 348-350. |
| (Blinka, 1983) | Blinka, T. A.; West, R., Octacyanotetramethylenecyclobutane Dianion and Its Anion-Radical. <i>Tetrahedron Letters</i> 1983 , 24 |

| | |
|--------------------|--|
| | (15), 1567-1568. |
| (Bolognese, 1986) | Bolognese, A.; Scherillo, G.; Schäfer, W., Reaction of <i>o</i> -Aminophenol and <i>p</i> -Benzoquinone in Acetic Acid. <i>J. Heterocyclic Chem.</i> 1986 , 23 (4), 1003-1006. |
| (Bone, 1985) | Bone, S.; Pethig, R., Electrical Properties of the Perylene- <i>p</i> -Chloranil Complex and the Effect of <i>o</i> -Chloranil as an Impurity. <i>J. Chem. Soc. Faraday Trans. 1</i> 1985 , 81, 537-543. |
| (Borisevich, 1987) | Borisevich, E. A.; Egorova, G. D.; Knyukshto, V. N.; Solovev, K. N., Photophysical Processes in para-Halogen Derivatives of Tetraphenylporphin and Tetraphenyl Chloride. <i>Opt. Spectrosc. (USSR)</i> 1987 , 63, 61-65. |
| (Borisov, 2007) | Borisov, S. M.; Klimant, I., Ultrabright Oxygen Optodes Based on Cyclometalated Iridium(III) Coumarin Complexes. <i>Anal. Chem.</i> 2007 , 79 (19), 7501-7509. |
| (Bose, 2010) | Bose, D.; Ghosh, D.; Das, P.; Girigoswami, A.; Sarkar, D.; Chattopadhyay, N., Binding of a Cationic Phenazinium Dye in Anionic Liposomal Membrane: a Spectacular Modification in the Photophysics. <i>Chem. Phys. Lipids</i> 2010 , 163 (1), 94-101. |
| (Boulton, 1966) | Boulton, A. J.; Ghosh, P. B.; Katritzky, A. R., Heterocyclic Rearrangements. Part V. Rearrangement of 4-Arylazo- and 4-Nitroso-benzofuroxans: New Syntheses of the Benzotriazole and Benzofurazan Ring Systems. <i>J. Chem. Soc. B</i> 1966 , (10), 1004-1011. |
| (Bourson, 1989) | Bourson, J.; Valeur, B., Ion-Responsive Fluorescent Compounds. 2. Cation-Steered Intramolecular Charge Transfer in a Crowned Merocyanine. <i>Journal of Physical Chemistry</i> 1989 , 93 (9), 3871-3876. |
| (Bouzyk, 2003) | Bouzyk, A.; Jóźwiak, L.; Kolendo, A. Y.; Błażejowski, J., Theoretical Interpretation of Electronic Absorption and Emission Transitions in 9-Acridinones. <i>Spectrochim. Acta A</i> 2003 , 59 (3), 543-558. |
| (Bowden, 1946) | Bowden, K.; Braude, E. A.; Jones, E. R. H., Studies in Light Absorption. Part III. Auxochromic Properties and the Periodic System. <i>J Chem Soc</i> 1946 , (Oct), 948-952. |
| (Bowen, 1962) | Bowen, E. J.; Holder, N. J.; Woodger, G. B., Hydrogen Bonding of Excited States. <i>Journal of Physical Chemistry</i> 1962 , 66 (12), 2491-2492. |
| (Bozak, 1971) | Bozak, R. E., Photochemistry in the Metallocenes. In <i>Advances in Photochemistry</i> , Pitts, J. N., Jr.; Hammond, G. S.; Noyes, W. A., Jr., Eds. Wiley Interscience: New York, 1971; Vol. 8, pp 227-244. |
| (Bramhall, 1986) | Bramhall, J., Phospholipid Packing Asymmetry in Curved Membranes Detected by Fluorescence Spectroscopy. <i>Biochemistry</i> 1986 , 25 (11), 3479-3486. |
| (Brandis, 1992) | Brandis, A. S.; Kozyrev, A. N.; Mironov, A. F., Synthesis and Study of Chlorin and Porphyrin Dimers with Ether Linkage. <i>Tetrahedron</i> 1992 , 48 (31), 6485-6494. |
| (Braude, 1945) | Braude, E. A., Studies in Light Absorption. Part I. <i>p</i> -Benzoquinones. <i>J Chem Soc</i> 1945 , (May), 490-497. |
| (Brey, 1977) | Brey, L. A.; Schuster, G. B.; Drickamer, H. G., High Pressure Studies of the Effect of Viscosity on Fluorescence Efficiency in Crystal Violet and Auramine O. <i>Journal of Chemical Physics</i> 1977 , 67 (6), 2648-2650. |
| (Brückner, 1996) | Brückner, C.; Karunaratne, V.; Rettig, S. J.; Dolphin, D., Synthesis of <i>meso</i> -Phenyl-4,6-dipyrrins, Preparation of Their Cu(II), Ni(II), and Zn(II) Chelates, and Structural Characterization of Bis[<i>meso</i> -phenyl-4,6-dipyrrinato]Ni(II). <i>Can. J. Chem.</i> 1996 , 74 |

| | |
|-----------------------|--|
| | (11), 2182-2193. |
| (Buchler, 1970) | Buchler, J. W.; Puppe, L., Metallkomplexe mit Tetrapyrrol-Linganden, II: Metallchelate des α,γ -Dimethyl- α,γ -dihydro-octaäthylporphins durch reduzierende Methylierung von Octaäthylporphinato-zink. <i>Liebigs Ann. Chem.</i> 1970 , 740, 142-163. |
| (Buryak, 2008) | Buryak, A.; Zaibitzer, F.; Pozdnoukhov, A.; Severin, K., Indicator Displacement Assays as Molecular Timers. <i>Journal of the American Chemical Society</i> 2008 , 130 (34), 11260-11261. |
| (Butorina, 2005) | Butorina, D. N.; Krasnovskii, A. A.; Savvina, L. P.; Kuznetsova, N. A., Bromorhodamines as Efficient Photosensitizers in the Formation of Singlet Molecular Oxygen in Aqueous and Ethanolic Solutions. <i>Russ. J. Phys. Chem.</i> 2005 , 79 (5), 791-794. |
| (Callis, 1979) | Callis, P. R., Polarized Fluorescence and Estimated Lifetimes of the DNA Bases at Room Temperature. <i>Chem Phys Lett</i> 1979 , 61 (3), 563-567. |
| (Calvete, 2014) | Calvete, M. J. F.; Tomé, J. P. C.; Cavaleiro, J. A. S., Synthesis and Characterization of New Cross-like Porphyrin-Naphthalocyanine and Porphyrin-Phthalocyanine Pentads. <i>J. Heterocyclic. Chem.</i> 2014 , 51 (S1), E202-E208. |
| (Campbell, 1951) | Campbell, T. W.; Coppinger, G. M., The Spectrophotometric Examination of Some Derivatives of Pyrogallol and Phloroglucinol. <i>Journal of the American Chemical Society</i> 1951 , 73 (6), 2708-2712. |
| (Carabineiro, 2007) | Carabineiro, S. A.; Gomes, P. T.; Veiros, L. F.; Freire, C.; Pereira, L. C. J.; Henriques, R. T.; Warren, J. E.; Pascu, S. I., Bis(ketopyrrolyl) Complexes of Co(II) Stabilised by Trimethylphosphine Ligands. <i>Dalton Trans.</i> 2007 , (46), 5460-70. |
| (Carlin, 1954) | Carlin, R. B.; Odioso, R. C., The Benzidine Rearrangement. IV. Kinetics of the Rearrangement of <i>o</i> -Hydrazotoluene. <i>Journal of the American Chemical Society</i> 1954 , 76 (1), 100-104. |
| (Čarsky, 1980) | Čarsky, P.; Hünig, S.; Stemmler, I.; Scheutzow, D., Über zweistufige Redoxsysteme, XXVII: Vinyloge Bipyridyle und Bichinolye; Synthesen und UV/VIS-Spektren. <i>Liebigs Ann. Chem.</i> 1980 , (2), 291-304. |
| (Casey, 1988) | Casey, K. G.; Quitevis, E. L., Effect of Solvent Polarity on Nonradiative Processes in Xanthene Dyes: Rhodamine B in Normal Alcohols. <i>Journal of Physical Chemistry</i> 1988 , 92 (23), 6590-6594. |
| (Ceccacci, 2016) | Ceccacci, F.; Scipioni, A.; Altieri, B.; Giansanti, L.; Mancini, G., Achiral Dye/Surfactant Heteroaggregates for Chiral Sensing of Phosphocholines. <i>Chirality</i> 2016 , 28 (1), 22-28. |
| (Cha, 2012) | Cha, W.-Y.; Lim, J. M.; Yoon, M.-C.; Sung, Y. M.; Lee, B. S.; Katsumata, S.; Suzuki, M.; Mori, H.; Ikawa, Y.; Furuta, H.; Osuka, A.; Kim, D., Deprotonation-Induced Aromaticity Enhancement and New Conjugated Networks in <i>meso</i> -Hexakis(pentafluorophenyl)[26]hexaphyrin. <i>Chemistry</i> 2012 , 18 (49), 15838-15844. |
| (Chattopadhyay, 1982) | Chattopadhyay, S. K.; Das, P. K.; Hug, G. L., Photoprocesses in Diphenylpolyenes. Oxygen and Heavy-Atom Enhancement of Triplet Yields. <i>Journal of the American Chemical Society</i> 1982 , 104 (17), 4507-4514. |
| (Chekin, 2013) | Chekin, F.; Toluo, A., Functionalization of Multi Carbon Nanotubes with 1,2-Naphthoquinone-4-sulfonic Acid Sodium: A Novel Sulphydryl Compounds Sensor Based on Functionalized Carbon Nanotube Film Using Michael Addition. <i>J. Chin. Chem. Soc.</i> 2013 , 60 (9), 1175-1180. |
| (Chen, 2013) | Chen, J.-S.; Zhao, G.-J.; Cook, T. R.; Han, K.-L.; Stang, P. J., Photophysical Properties of Self-Assembled Multinuclear Platinum Metallacycles with Different Conformational Geometries. <i>Journal of the American Chemical Society</i> 2013 , 135 (17), |

| | |
|---------------------|---|
| | 6694-6702. |
| (Chen, 2005) | Chen, L.-H.; Liu, L.-Z.; Shen, H.-X., Fluorescence Quenching Investigation for Janus Green B and Used as Probe in Determination of Nucleic Acids. <i>Chin. J. Chem.</i> 2005 , 23 (3), 291-296. |
| (Chen, 1967) | Chen, R. F., Fluorescence of Dansyl Amino Acids in Organic Solvents and Protein Solutions. <i>Arch. Biochem. Biophys.</i> 1967 , 120 (3), 609-620. |
| (Chen, 1968) | Chen, R. F., Dansyl Labeled Proteins: Determination of Extinction Coefficient and Number of Bound Residues with Radioactive Dansyl Chloride. <i>Anal. Biochem.</i> 1968 , 25 (1-3), 412-416. |
| (Chen, 1972) | Chen, R. F., Measurements of Absolute Values in Biochemical Fluorescence Spectroscopy. <i>J. Res. NBS A Phys. Ch. Inst</i> 1972 , A 76 (6), 593-606. |
| (Chen, 2005) | Chen, Y.; Shen, Z.; Pastor-Pérez, L.; Frey, H.; Stiriba, S.-E., Role of Topology and Amphiphilicity for Guest Encapsulation in Functionalized Hyperbranched Poly(ethylenimine)s. <i>Macromolecules</i> 2005 , 38 (2), 227-229. |
| (Chen, 2006) | Chen, Y.-L.; Hau, C.-K.; Wang, H.; He, H.; Wong, M.-S.; Lee, A. W. M., Oxadisilole-Fused Isobenzofurans. Synthesis and Characterization of Oxadisilole-Substituted Acenes. <i>J Org Chem</i> 2006 , 71 (9), 3512-3517. |
| (Chignell, 1994) | Chignell, C. F.; Bilski, P.; Reszka, K. J.; Motten, A. G.; Sik, R. H.; Dahl, T. A., Spectral and Photochemical Properties of Curcumin. <i>Photochemistry and Photobiology</i> 1994 , 59 (3), 295-302. |
| (Chihara, 1980) | Chihara, K.; Waddell, W. H., Electronic and Vibrational Spectral Investigation of the Molecular Association of the All-Trans Isomers of Retinal, Retinol, and Retinoic Acid. <i>Journal of the American Chemical Society</i> 1980 , 102 (9), 2963-2968. |
| (Childers, 2009) | Childers, W. S.; Mehta, A. K.; Lu, K.; Lynn, D. G., Templating Molecular Arrays in Amyloid's Cross- β Grooves. <i>Journal of the American Chemical Society</i> 2009 , 131 (29), 10165-10172. |
| (Chmielewski, 1995) | Chmielewski, P. J.; Łatos-Grażyński, L.; Rachlewicz, K., 5,10,15,20-Tetraphenylsapphyrin—Identification of a Pentapyrrolic Expanded Porphyrin in the Rothemund Synthesis. <i>Chem. Eur. J.</i> 1995 , 1 (1), 68-73. |
| (Chmurzyński, 1986) | Chmurzyński, L.; Liwo, A.; Wawrzynów, A.; Tempczyk, A., Theoretical and Experimental Studies on the UV Spectra of Pyridine N-Oxide Perchlorates. <i>J. Mol. Struct.</i> 1986 , 143, 375-378. |
| (Choudhury, 1989) | Choudhury, B.; Chandrashekhar, T. K., Optical and Magnetic Resonance Studies of the Interaction of Metallotetraphenylchlorin and Octaethylporphyrin with Trinitrofluorenone. <i>Bulletin of the Chemical Society of Japan</i> 1989 , 62 (1), 290-294. |
| (Christensen, 1950) | Christensen, E.; Giese, A. C., Photosensitivity of Sunscreens. <i>J. Am. Pharm. Assoc.</i> 1950 , 39 (4), 223-226. |
| (Chvátal, 1983) | Chvátal, I.; Vymětal, J.; Pecha, J.; Šimánek, V.; Dolejš, L.; Bartoň, J.; Fryčka, J., Isolation and Identification of By-Products of Gas Phase Catalytic Oxidation of Anthracene to 9,10-Anthraquinone. <i>Collect. Czech. Chem. Comm.</i> 1983 , 48 (1), 112-122. |
| (Cisse, 2011) | Cisse, L.; Djande, A.; Capo-Chichi, M.; Delatre, F.; Saba, A.; Tine, A.; Aaron, J.-J., Revisiting the Photophysical Properties and Excited Singlet-State Dipole Moments of Several Coumarin Derivatives. <i>Spectrochim. Acta A</i> 2011 , 79 (3), 428-436. |
| (Clar, 1948) | Clar, E., Das Kondensationsprinzip, ein Einfaches neues Prinzip im Aufbau der aromatischen Kohlenwasserstoffe (Aromatische Kohlenwasserstoffe, XLII. Mitteilung). <i>Chem. Ber-Recl.</i> 1948 , 81 (1), 52-63. |

| | |
|--------------------|--|
| (Clark, 1953) | Clark, P. F.; Elvidge, J. A.; Linstead, R. P., Heterocyclic Imines and Amines. Part II. Derivatives of <i>iso</i> Indoline and <i>iso</i> Indolenine. <i>J Chem Soc</i> 1953 , (Nov), 3593-3601. |
| (Clezy, 1980) | Clezy, P. S.; Fookes, C. J. R., The Chemistry of Pyrrolic Compounds. XLIII. Synthesis of the Fifteen Isomers of Protoporphyrin. <i>Aust. J. Chem</i> 1980 , 33 (3), 557-573. |
| (Collman, 1975) | Collman, J. P.; Gagne, R. R.; Reed, C. A.; Halbert, T. R.; Lang, G.; Robinson, W. T., "Picket Fence Porphyrins." Synthetic Models for Oxygen Binding Hemoproteins. <i>Journal of the American Chemical Society</i> 1975 , 97 (6), 1427-1439. |
| (Colonna, 1978) | Colonna, F. P.; Distefano, G.; Galasso, V.; Irgolic, K. J.; King, C. E.; Pappalardo, G. C., The Conformation, UV-Absorption Spectra and Photoelectron Spectra of Phenoxachalcogenins. <i>J. Organomet. Chem.</i> 1978 , 146 (3), 235-244. |
| (Condirston, 1979) | Condirston, D. A.; Laposa, J. D., Fluorescence Quantum Yields and Lifetimes of Styrene at 298 and 77 K. <i>Chem Phys Lett</i> 1979 , 63 (2), 313-317. |
| (Connolly, 1982) | Connolly, J. S.; Samuel, E. B.; Janzen, A. F., Effects of Solvent on the Fluorescence Properties of Bacteriochlorophyll α . <i>Photochemistry and Photobiology</i> 1982 , 36 (5), 565-574. |
| (Cook, 1988) | Cook, M. J.; Dunn, A. J.; Howe, S. D.; Thomson, A. J.; Harrison, K. J., Octa-alkoxy Phthalocyanine and Naphthalocyanine Derivatives: Dyes with Q-Band Absorption in the Far Red or Near Infrared. <i>J. Chem. Soc. Perkin Trans. 1</i> 1988 , (8), 2453-2458. |
| (Corwin, 1962) | Corwin, A. H.; Wei, P. E., Stabilities of Magnesium Chelates of Porphyrins and Chlorins. <i>J Org Chem</i> 1962 , 27 (12), 4285-4290. |
| (Cosa, 2001) | Cosa, G.; Focsaneanu, K.-S.; McLean, J. R. N.; McNamee, J. P.; Scaiano, J. C., Photophysical Properties of Fluorescent DNA-dyes Bound to Single- and Double-stranded DNA in Aqueous Buffered Solution. <i>Photochemistry and Photobiology</i> 2001 , 73 (6), 585-599. |
| (Cremers, 1980) | Cremers, D. A.; Windsor, M. W., A Study of the Viscosity-Dependent Electronic Relaxation of Some Triphenylmethane Dyes Using Picosecond Flash Photolysis. <i>Chem Phys Lett</i> 1980 , 71 (1), 27-32. |
| (Crossley, 1993) | Crossley, M. J.; King, L. G., A New Method for Regiospecific Deuteriation and Reduction of 5,10,15,20-Tetraphenylporphyrins: Nucleophilic Reaction of Borohydride Ion with 2-Nitro-5,10,15,20-tetraphenylporphyrins. <i>J Org Chem</i> 1993 , 58 (16), 4370-4375. |
| (Cu, 1975) | Cu, A.; Bellah, G. G.; Lightner, D. A., On the Fluorescence of Bilirubin. <i>Journal of the American Chemical Society</i> 1975 , 97 (9), 2579-2580. |
| (Czerney, 1982) | Czerney, P.; Hartmann, H., Einfache Darstellung von N(2'-Hydroxy)-arylidene-nitro-anilinen als Cumarin-Synthone. <i>J. Prakt. Chem.</i> 1982 , 324 (1), 21-28. |
| (D'Auria, 1995) | D'Auria, M., Regioselective Photochemical Diels-Alder Reaction on Thiophene Derivatives. <i>Tetrahedron Letters</i> 1995 , 36 (36), 6567-6570. |
| (Dai, 2008) | Dai, X.; Rollin, E.; Bellerive, A.; Hargrove, C.; Sinclair, D.; Mifflin, C.; Zhang, F., Wavelength Shifters for Water Cherenkov Detectors. <i>Nucl. Instrum. Meth. A</i> 2008 , 589 (2), 290-295. |

| | |
|------------------------|--|
| (Dallinger, 1981) | Dallinger, R. F.; Woodruff, W. H.; Rodgers, M. A. J., The Lifetime of the Excited Singlet State of β -Carotene: Consequences to Photosynthetic Light Harvesting. <i>Photochemistry and Photobiology</i> 1981 , <i>33</i> (2), 275-277. |
| (Daneshvar, 2005) | Daneshvar, N.; Aleboyeh, A.; Khataee, A. R., The Evaluation of Electrical Energy per Order (E_{Eo}) for Photooxidative Decolorization of Four Textile Dye Solutions by the Kinetic Model. <i>Chemosphere</i> 2005 , <i>59</i> (6), 761-767. |
| (Dar, 2015) | Dar, A. A.; Chat, O. A., Cosolubilization of Coumarin30 and Warfarin in Cationic, Anionic, and Nonionic Micelles: A Micelle-Water Interfacial Charge Dependent FRET. <i>J. Phys. Chem. B</i> 2015 , <i>119</i> (35), 11632-11642. |
| (Das, 2008) | Das, S.; Kumar, G. S., Molecular Aspects on the Interaction of Phenosafranine to Deoxyribonucleic Acid: Model for Intercalative Drug-DNA Binding. <i>J. Mol. Struct.</i> 2008 , <i>872</i> (1), 56-63. |
| (Davidson, 1996) | Davidson, Y. Y.; Gunn, B. M.; Soper, S. A., Spectroscopic and Binding Properties of Near-Infrared Tricarbocyanine Dyes to Double-Stranded DNA. <i>Appl. Spectrosc.</i> 1996 , <i>50</i> (2), 211-221. |
| (Davis, 1966) | Davis, M. M.; Hetzer, H. B., Titrimetric and Equilibrium Studies Using Indicators Related to Nile Blue A. <i>Anal. Chem.</i> 1966 , <i>38</i> (3), 451-461. |
| (Dawson, 1968) | Dawson, W. R.; Windsor, M. W., Fluorescence Yields of Aromatic Compounds. <i>Journal of Physical Chemistry</i> 1968 , <i>72</i> (9), 3251-3260. |
| (De Britto, 1995) | De Britto, J.; Manickam, V. S.; Gopalakrishnan, S.; Ushioda, T.; Tanaka, N., Determination of Aglycone Chirality in Dihydroflavonol 3-O- α -L-Rhamnosides by 1 H-NMR Spectroscopy. <i>Chem. Pharm. Bull.</i> 1995 , <i>43</i> (2), 338-339. |
| (de Melo, 2001) | de Melo, J. S.; Fernandes, P. F., Spectroscopy and Photophysics of 4-and 7-Hydroxycoumarins and Their Thione Analogs. <i>J. Mol. Struct.</i> 2001 , <i>565</i> , 69-78. |
| (de Melo, 1994) | de Melo, J. S. S.; Becker, R. S.; Maçanita, A. L., Photophysical Behavior of Coumarins as a Function of Substitution and Solvent: Experimental Evidence for the Existence of a Lowest Lying ${}^1(n,\pi^*)$ State. <i>Journal of Physical Chemistry</i> 1994 , <i>98</i> (24), 6054-6058. |
| (Debaerdemaeker, 1981) | Debaerdemaeker, T.; Schröer, W.-D.; Friedrichsen, W., Reaktionen von Fulvenen mit 1,3-dipolaren Verbindungen, III: Reaktionen von Tetraarylfulvenen mit 3-Methyl-2,4-diphenyl-1,3-oxazolium-5-olat. <i>Liebigs Ann. Chem.</i> 1981 , (3), 502-520. |
| (del Rey, 1998) | del Rey, B.; Keller, U.; Torres, T.; Rojo, G.; Agulló-López, F.; Nonell, S.; Martí, C.; Brasselet, S.; Ledoux, I.; Zyss, J., Synthesis and Nonlinear Optical, Photophysical, and Electrochemical Properties of Subphthalocyanines. <i>Journal of the American Chemical Society</i> 1998 , <i>120</i> (49), 12808-12817. |
| (Deligeorgiev, 1995) | Deligeorgiev, T. G.; Gadjev, N. I.; Drechsler, K.-H.; Sabnis, R. W., Preparation of Intercalating Dye Thiazole Orange and Derivatives. <i>Dyes Pigments</i> 1995 , <i>29</i> (4), 315-322. |
| (Demidova, 2005) | Demidova, T. N.; Hamblin, M. R., Effect of Cell-Photosensitizer Binding and Cell Density on Microbial Photoinactivation. <i>Antimicrob. Agents Chemother.</i> 2005 , <i>49</i> (6), 2329-2335. |
| (Dempster, 1973) | Dempster, D. N.; Morrow, T.; Rankin, R.; Thompson, G. F., Photochemical Characteristics of the Mode-Locking Dyes 1,1'-Diethyl-4,4' Carbocyanine Iodide (Cryptocyanine, DCI) and 1,1'-Diethyl-2,2' Dicarbocyanine Iodide (DDI). <i>Chem Phys Lett</i> 1973 , <i>18</i> (4), 488-492. |

| | |
|---------------------|--|
| (Dempster, 1972) | Dempster, D. N.; Thompson, G. F.; Morrow, T.; Rankin, R., Photochemical Characteristics of Cyanine Dyes. Part 1.—3,3'-Diethyloxadicarbocyanine Iodide and 3,3'-Diethylthiadicarbocyanine Iodide. <i>J. Chem. Soc. Faraday Trans. II</i> 1972 , <i>68</i> , 1479-1496. |
| (DeVries, 1960) | DeVries, L., Preparation of 1,2,3,4,5-Pentamethylcyclopentadiene, 1,2,3,4,5,5-Hexamethylcyclopentadiene, and 1,2,3,4,5-Pentamethylcyclopentadienylcarbinol. <i>J Org Chem</i> 1960 , <i>25</i> (10), 1838-1838. |
| (Deye, 1990) | Deye, J. F.; Berger, T. A.; Anderson, A. G., Nile Red as a Solvatochromic Dye for Measuring Solvent Strength in Normal Liquids and Mixtures of Normal Liquids with Supercritical and Near Critical Fluids. <i>Anal. Chem.</i> 1990 , <i>62</i> (6), 615-622. |
| (Dhananjeyan, 2005) | Dhananjeyan, M. R.; Milev, Y. P.; Kron, M. A.; Nair, M. G., Synthesis and Activity of Substituted Anthraquinones against a Human Filarial Parasite, <i>Brugia malayi</i> . <i>J. Med. Chem.</i> 2005 , <i>48</i> (8), 2822-2830. |
| (Díaz, 2006) | Díaz, T. G.; Durán-Merás, I.; Cáceres, M. I. R.; Murillo, B. R., Comparison of Different Fluorimetric Signals for the Simultaneous Multivariate Determination of Tocopherols in Vegetable Oils. <i>Appl. Spectrosc.</i> 2006 , <i>60</i> (2), 194-202. |
| (DiCesare, 2001) | DiCesare, N.; Lakowicz, J. R., Spectral Properties of Fluorophores Combining the Boronic Acid Group with Electron Donor or Withdrawing Groups. Implication in the Development of Fluorescence Probes for Saccharides. <i>J. Phys. Chem. A</i> 2001 , <i>105</i> (28), 6834-6840. |
| (Diverdi, 1984) | Diverdi, L. A.; Topp, M. R., Subnanosecond Time-Resolved Fluorescence of Acridine in Solution. <i>Journal of Physical Chemistry</i> 1984 , <i>88</i> (16), 3447-3451. |
| (Diwu, 1997) | Diwu, Z.; Lu, Y.; Zhang, C.; Klaubert, D. H.; Haugland, R. P., Fluorescent Molecular Probes. II. The Synthesis, Spectral Properties and Use of Fluorescent Solvatochromic Dapoxyl™ Dyes. <i>Photochemistry and Photobiology</i> 1997 , <i>66</i> (4), 424-431. |
| (Dixit, 1983) | Dixit, N. S.; Mackay, R. A., Absorption and Emission Characteristics of Merocyanine 540 in Microemulsions. <i>Journal of the American Chemical Society</i> 1983 , <i>105</i> (9), 2928-2929. |
| (Dixon, 1987) | Dixon, D. A.; Miller, J. S., Crystal and Molecular Structure of the Charge-Transfer Salt of Decamethylcobaltocene and Tetracyanoethylene (2:1): $\{[\text{Co}(\text{C}_5\text{Me}_5)_2]^+\}_2[\text{NC}_2\text{CC}(\text{CN})_2]^{2-}$. The Electronic Structures and Spectra of [TCNE] ⁿ ($n = 0, 1-, 2-$). <i>Journal of the American Chemical Society</i> 1987 , <i>109</i> (12), 3656-3664. |
| (Dixon, 2005) | Dixon, J. M.; Taniguchi, M.; Lindsey, J. S., PhotoChemCAD 2: A Refined Program with Accompanying Spectral Databases for Photochemical Calculations. <i>Photochemistry and Photobiology</i> 2005 , <i>81</i> (1), 212-213. |
| (Dogutan, 2007) | Dogutan, D. K.; Ptaszek, M.; Lindsey, J. S., Direct Synthesis of Magnesium Porphine via 1-Formyldipyrromethane. <i>J Org Chem</i> 2007 , <i>72</i> (13), 5008-5011. |
| (Dorough, 1952) | Dorough, G. D.; Huennekens, F. M., The Spectra of $\alpha, \beta, \gamma, \delta$ -Tetraphenylchlorin and its Metallo-derivatives. <i>Journal of the American Chemical Society</i> 1952 , <i>74</i> (16), 3974-3976. |
| (dos Santosa, 2015) | dos Santosa, S. C.; Moreira, L. M.; Novo, D. L. R.; Santin, L. R. R.; Bianchini, D.; Bonacin, J. A.; Romani, A. P.; Fernandes, A. U.; Baptista, M. S.; de Oliveira, H. P. M., Photophysical Properties of Porphyrin Derivatives: Influence of the Alkyl Chains in Homogeneous and Micro-Heterogeneous Systems. <i>J. Porphyr. Phthalocyanines</i> 2015 , <i>19</i> (8), 920-933. |
| (Drake, 1985) | Drake, J. M.; Lesiecki, M. L.; Camaioni, D. M., Photophysics and Cis–Trans Isomerization of DCM. <i>Chem Phys Lett</i> 1985 , |

| | |
|--------------------|---|
| | <i>113</i> (6), 530-534. |
| (Drefahl, 1958) | Drefahl, G.; Plötner, G., Untersuchungen über Stilbene, XX. Polyphenyl-polybutadiene. <i>Chemische Berichte</i> 1958 , <i>91</i> (6), 1285-1289. |
| (Drobizhev, 2002) | Drobizhev, M.; Karotki, A.; Kruck, M.; Mamardashvili, N. Z.; Rebane, A., Drastic Enhancement of Two-Photon Absorption in Porphyrins Associated with Symmetrical Electron-Accepting Substitution. <i>Chem Phys Lett</i> 2002 , <i>361</i> (5-6), 504-512. |
| (Du, 1998) | Du, H.; Fuh, R.-C. A.; Li, J.; Corkan, L. A.; Lindsey, J. S., PhotochemCAD: A Computer-Aided Design and Research Tool in Photochemistry. <i>Photochemistry and Photobiology</i> 1998 , <i>68</i> (2), 141-142. |
| (Duggan, 1983) | Duggan, J. X.; DiCesare, J.; Williams, J. F., Investigations on the Use of Laser Dyes as Quantum Counters for Obtaining Corrected Fluorescence Spectra in the Near Infrared. In <i>New Directions in Molecular Luminescence</i> , Eastwood, D., Ed. ASTM Special Technical Publication 822: Philadelphia, 1983; pp 112-126. |
| (Dutta, 1992) | Dutta, R. K.; Bhat, S. N., Dye-Surfactant Interaction in Submicellar Concentration Range. <i>Bulletin of the Chemical Society of Japan</i> 1992 , <i>65</i> (4), 1089-1095. |
| (Eaton, 1988) | Eaton, D. F., Reference Materials for Fluorescence Measurement. <i>Pure Appl Chem</i> 1988 , <i>60</i> (7), 1107-1114. |
| (Ebara, 1960) | Ebara, N., Benzylideneaniline. I. Structure and Ultraviolet Absorption Spectrum of Benzylideneaniline. <i>Bulletin of the Chemical Society of Japan</i> 1960 , <i>33</i> (4), 534-539. |
| (Ehrenberg, 1990) | Ehrenberg, B.; Johnson, F. M., Spectroscopic Studies of Tetrabenzoporphyrins: MgTBP, ZnTBP and H ₂ TBP. <i>Spectrochim. Acta A</i> 1990 , <i>46</i> (10), 1521-1532. |
| (Eichwurzel, 2000) | Eichwurzel, I.; Stiel, H.; Röder, B., Photophysical Studies of the Pheophorbide α Dimer. <i>J Photoch Photobio B</i> 2000 , <i>54</i> (2-3), 194-200. |
| (Eisner, 1957) | Eisner, U.; Lichtarowicz, A.; Linstead, R. P., Chlorophyll and Related Compounds. Part VI. The Synthesis of Octaethylchlorin. <i>J Chem Soc</i> 1957 , (Feb), 733-739. |
| (Eisner, 1955) | Eisner, U.; Linstead, R. P., Chlorophyll and Related Substances. Part II. The Dehydrogenation of Chlorin to Porphin and the Number of Extra Hydrogen Atoms in the Chlorins. <i>J Chem Soc</i> 1955 , 3749-3754. |
| (El-Desoky, 2010) | El-Desoky, H. S.; Ghoneim, M. M.; Zidan, N. M., Decolorization and Degradation of Ponceau S Azo-Dye in Aqueous Solutions by the Electrochemical Advanced Fenton Oxidation. <i>Desalination</i> 2010 , <i>264</i> (1-2), 143-150. |
| (Ellis, 1965) | Ellis, B.; Griffiths, P. J. F., The Ultra-Violet Spectra of Thiazole and Benzthiazole. <i>Spectrochim. Acta</i> 1965 , <i>21</i> (11), 1881-1892. |
| (Fajer, 1970) | Fajer, J.; Borg, D. C.; Forman, A.; Dolphin, D.; Felton, R. H., π -Cation Radicals and Dications of Metalloporphyrins. <i>Journal of the American Chemical Society</i> 1970 , <i>92</i> (11), 3451-3459. |
| (Falk, 1964) | Falk, J. E., Porphyrins and Metalloporphyrins. Elsevier: Amsterdam, 1964; p 232. |
| (Farinotti, 1983) | Farinotti, R.; Siard, P.; Bourson, J.; Kirkiacharian, S.; Valeur, B.; Mahuzier, G., 4-Bromomethyl-6,7-dimethoxycoumarin as a Fluorescent Label for Carboxylic Acids in Chromatographic Detection. <i>J Chromatogr</i> 1983 , <i>269</i> (2), 81-90. |
| (Fasman, 1975) | Fasman, G. D., Handbook of Biochemistry and Molecular Biology. In <i>Nucleic Acids</i> , 3rd ed.; Fasman, G. D., Ed. CRC Press: |

| | |
|------------------|---|
| | Cleveland, Ohio, 1975; Vol. I, pp 65-215. |
| (Fasman, 1975) | Fasman, G. D., Handbook of Biochemistry and Molecular Biology. In <i>Proteins</i> , 3rd ed.; Fasman, G. D., Ed. CRC Press: Cleveland, Ohio, 1975; Vol. I, pp 183-203. |
| (Fei, 2014) | Fei, X.; Hao, Y.; Gu, Y.; Li, C.; Yu, L., Study on the Synthesis and Spectra of a Novel Kind of Carbozole Benzothiazole Indole Styryl Cyanine Dye with a Carbazole Bridged Chain. <i>J. Fluoresc.</i> 2014 , 24 (2), 563-568. |
| (Ferguson, 1972) | Ferguson, J.; Mau, A. W. H., Absorption Studies of Acid–Base Equilibria of Dye Solutions. <i>Chem Phys Lett</i> 1972 , 17 (4), 543-546. |
| (Ferrante, 1993) | Ferrante, C.; Kensy, U.; Dick, B., Does Diphenylacetylene (Tolan) Fluoresce from Its Second Excited Singlet State? Semiempirical MO Calculations and Fluorescence Quantum Yield Measurements. <i>Journal of Physical Chemistry</i> 1993 , 97 (51), 13457-13463. |
| (Fidaly, 2012) | Fidaly, K.; Ceballos, C.; Falguières, A.; Veitia, M. S.-I.; Guy, A.; Ferroud, C., Visible Light Photoredox Organocatalysis: a Fully Transition Metal-Free Direct Asymmetric α -Alkylation of Aldehydes. <i>Green Chem.</i> 2012 , 14 (5), 1293-1328. |
| (Figueira, 2015) | Figueira, J.; Czardybon, W.; Mesquita, J. C.; Rodrigues, J.; Lahoz, F.; Russo, L.; Valkonen, A.; Rissanen, K., Synthesis, Characterization and Solid-State Photoluminescence Studies of Six Alkoxy Phenylene Ethynylene Dinuclear Palladium(II) Rods. <i>Dalton Trans.</i> 2015 , 44 (9), 4003-4015. |
| (Finikova, 2004) | Finikova, O. S.; Cheprakov, A. V.; Beletskaya, I. P.; Carroll, P. J.; Vinogradov, S. A., Novel Versatile Synthesis of Substituted Tetrabenzoporphyrins. <i>J Org Chem</i> 2004 , 69 (2), 522-535. |
| (Finikova, 2005) | Finikova, O. S.; Cheprakov, A. V.; Vinogradov, S. A., Synthesis and Luminescence of Soluble <i>meso</i> -Unsubstituted Tetrabeno- and Tetranaphtho[2,3]porphyrins. <i>J Org Chem</i> 2005 , 70 (23), 9562-9572. |
| (Firth, 1983) | Firth, W. J., III; Watkins, C. L.; Graves, D. E.; Yielding, L. W., Synthesis and Characterization of Ethidium Analogs: Emphasis on Amino and Azido Substituents. <i>J. Heterocyclic. Chem.</i> 1983 , 20 (3), 759-755. |
| (Flaig, 1955) | Flaig, W.; Ploetz, T.; Küllmer, A., Über Ultraviolettspektren einiger Benzochinone. <i>Z. Naturforsch. Pt. B</i> 1955 , 10 (12), 668-676. |
| (Fleming, 1977) | Fleming, G. R.; Knight, A. W. E.; Morris, J. M.; Morrison, R. J. S.; Robinson, G. W., Picosecond Fluorescence Studies of Xanthene Dyes. <i>Journal of the American Chemical Society</i> 1977 , 99 (13), 4306-4311. |
| (Flora, 2003) | Flora, W. H.; Hall, H. K.; Armstrong, N. R., Guest Emission Processes in Doped Organic Light-Emitting Diodes: Use of Phthalocyanine and Naphthalocyanine Near-IR Dopants. <i>J. Phys. Chem. B</i> 2003 , 107 (5), 1142-1150. |
| (Ford, 1987) | Ford, W. E.; Kamat, P. V., Photochemistry of 3,4,9,10-Perylenetetracarboxylic Dlanhydrlde Dyes. 3. Singlet and Triplet Excited-State Properties of the Bis(2,5-di- <i>tert</i> -butylphenyl)imide Derivative. <i>Journal of Physical Chemistry</i> 1987 , 91 (25), 6373-6380. |
| (Freire, 2014) | Freire, S.; de Araujo, M. H.; Al-Soufi, W.; Novo, M., Photophysical Study of Thioflavin T as Fluorescence Marker of Amyloid Fibrils. <i>Dyes Pigments</i> 2014 , 110, 97-105. |
| (Froehlich, | Froehlich, P. M.; Morrison, H. A., A Study of Alkylbenzene Luminescence. <i>Journal of Physical Chemistry</i> 1972 , 76 (24), |

| | |
|------------------------|---|
| (1972) | 3566-3570. |
| (Fugate, 1976) | Fugate, R. D.; Chin, C.-A.; Song, P.-S., A Spectroscopic Analysis of Vitamin B12 Derivatives. <i>Biochim. Biophys. Acta.</i> 1976 , 421 (1), 1-11. |
| (Fujimoto, 1978) | Fujimoto, A.; Inuzuka, K., Hydrogen Bond of 4-Amino-5H-[1]benzopyrano[3,4-c]pyridin-5-one Derivatives with Alcohols. I. Experimental Considerations. <i>Bulletin of the Chemical Society of Japan</i> 1978 , 51 (10), 2781-2785. |
| (Galangau, 2010) | Galangau, O.; Dumas-Verdes, C.; Méallet-Renault, R.; Clavier, G., Rational Design of Visible and NIR Distyryl-BODIPY Dyes from a Novel Fluorinated Platform. <i>Org. Biomol. Chem.</i> 2010 , 8 (20), 4546-53. |
| (Gandía-Herrero, 2012) | Gandía-Herrero, F.; Escribano, J.; García-Carmona, F., Purification and Antiradical Properties of the Structural Unit of Betalains. <i>J. Nat. Prod.</i> 2012 , 75 (6), 1030-1036. |
| (Garazd, 2002) | Garazd, Y. L.; Ogorodniichuk, A. S.; Garazd, M. M.; Khilya, V. P., Modified Coumarins. 6. Synthesis of Substituted 5,6-Benzopsoralens. <i>Chem. Nat. Compd.</i> 2002 , 38 (5), 424-433. |
| (Gautam, 1994) | Gautam, J.; Schott, H., Interaction of Anionic Compounds with Gelatin. I: Binding Studies. <i>J. Pharm. Sci.</i> 1994 , 83 (7), 922-930. |
| (Gautrot, 2009) | Gautrot, J. E.; Hodge, P.; Hellwell, M.; Raftery, J.; Cupertino, D., Synthesis of Electron-Accepting Polymers Containing Phenanthra-9,10-quinone Units. <i>J. Mater. Chem.</i> 2009 , 19 (24), 4148-4156. |
| (Gaynanova, 2016) | Gaynanova, G. A.; Bekmukhametova, A. M.; Kashapov, R. R.; Ziganshina, A. Y.; Zakharova, L. Y., Superamphiphilic Nanocontainers Based on the Resorcinarene - Cationic Surfactant System: Synergetic Self-Assembling Behavior. <i>Chem Phys Lett</i> 2016 , 652, 190-194. |
| (Gegiou, 1970) | Gegiou, D.; Huber, J. R.; Weiss, K., Photochemistry of Phenoxazine. A Flash-Photolytic Study. <i>Journal of the American Chemical Society</i> 1970 , 92 (17), 5058-5062. |
| (Gegiou, 1968) | Gegiou, D.; Muszkat, K. A.; Fischer, E., Temperature Dependence of Photoisomerization. VI. The Viscosity Effect. <i>Journal of the American Chemical Society</i> 1968 , 90 (1), 12-18. |
| (Geier, 1999) | Geier, G. R., III; Lindsey, J. S., N-Confused Tetraphenylporphyrin and Tetraphenylsapphyrin Formation in One-Flask Syntheses of Tetraphenylporphyrin. <i>J Org Chem</i> 1999 , 64 (5), 1596-1603. |
| (Ghanadzadeh, 2009) | Ghanadzadeh, A.; Zeini, A.; Kashef, A.; Moghadam, M., Solvent Polarizability and Anisotropy Effects on the Photophysical Behavior of Oxazine 1: An Appropriate Polarizability Indicator Dye. <i>Spectrochim. Acta A</i> 2009 , 73 (2), 324-329. |
| (Ghosh, 2010) | Ghosh, A.; Mobin, S. M.; Fröhlich, R.; Butcher, R. J.; Maity, D. K.; Ravikanth, M., Effect of Five Membered Versus Six Membered Meso-Substituents on Structure and Electronic Properties of Mg(II) Porphyrins: A Combined Experimental and Theoretical Study. <i>Inorg. Chem.</i> 2010 , 49 (18), 8287-8297. |
| (Ghosh, 1997) | Ghosh, H. N.; Sapre, A. V.; Palit, D. K.; Mittal, J. P., Picosecond Flash Photolysis Studies on Phenotheiazine in Organic and Micellar Solution. <i>J. Phys. Chem. B</i> 1997 , 101 (13), 2315-2320. |
| (Gireenko, 2002) | Gireenko, E. G.; Borisenkova, S. A.; Kaliya, O. L., Oxidation of Ascorbic Acid in the Presence of Phthalocyanine Metal Complexes. Chemical Aspects of Catalytic Anticancer Therapy. 1. Catalysis of Oxidation by Cobalt |

| | |
|--------------------|---|
| | Octacarboxyphthalocyanine. <i>Russ Chem B+</i> 2002 , 51 (7), 1231-1236. |
| (Gleiter, 1990) | Gleiter, R.; Kratz, D., Isolation of a Donor-Acceptor Superphane with a Quinone and a CpCo-Cyclobutadiene Unit. <i>Tetrahedron Letters</i> 1990 , 31 (41), 5893-5896. |
| (Go, 1983) | Go, C. L.; Waddell, W. H., Evolution of Photooxidation Products upon Irradiation of Phenyl Azide in the Presence of Molecular Oxygen. <i>J Org Chem</i> 1983 , 48 (17), 2897-2900. |
| (Gogan, 1970) | Gogan, N. J.; Suddiqui, Z. U., Tricarbonalchromium Complexes of $\alpha\beta\gamma\delta$ -Tetraphenylporphinzinc. <i>J. Chem. Soc. Chem. Commun.</i> 1970 , 284-285. |
| (Gong, 2015) | Gong, Y.; Zhao, L.; Peng, Q.; Fan, D.; Yuan, W. Z.; Zhang, Y.; Tang, B. Z., Crystallization-Induced Dual Emission from Metal- and Heavy Atom-Free Aromatic Acids and Esters. <i>Chem. Sci.</i> 2015 , 6 (8), 4438-4444. |
| (Goswami, 1987) | Goswami, P. C.; Swanton, D. J.; Henry, B. R., Evidence for Vibronic Coupling Contributions to Overtone Intensities in Alkyl Phenyl Ketones. <i>Journal of Chemical Physics</i> 1987 , 86 (10), 5281-5287. |
| (Gouterman, 1974) | Gouterman, M.; Khalil, G.-E., Porphyrin Free Base Phosphorescence. <i>J. Mol. Spectrosc.</i> 1974 , 53 (1), 88-100. |
| (Grabner, 1990) | Grabner, G.; Köhler, G.; Marconi, G.; Monti, S.; Venuti, E., Photophysical Properties of Methylated Phenols in Nonpolar Solvents. <i>Journal of Physical Chemistry</i> 1990 , 94 (9), 3609-3613. |
| (Gradyushko, 1970) | Gradyushko, A. T.; Sevchenko, A. N.; Solovyov, K. N.; Tsvirko, M. P., Energetics of Photophysical Processes in Chlorophyll-Like Molecules. <i>Photochemistry and Photobiology</i> 1970 , 11 (6), 387-400. |
| (Gradyushko, 1971) | Gradyushko, A. T.; Tsvirko, M. P., Probabilities of Intercombination Transitions in Porphyrin and Metalloporphyrin Molecules. <i>Opt. Spectrosc. (USSR)</i> 1971 , 31 (4), 291-295. |
| (Grancho, 2002) | Grancho, J. C. P.; Pereira, M. M.; Miguel, M. d. G.; Gonsalves, A. M. R.; Burrows, H. D., Synthesis, Spectra and Photophysics of some Free Base Tetrafluoroalkyl and Tetrafluoroaryl Porphyrins with Potential Applications in Imaging. <i>Photochemistry and Photobiology</i> 2002 , 75 (3), 249-256. |
| (Green, 1990) | Green, F. J., <i>The Sigma-Aldrich Handbook of Stains, Dyes and Indicators</i> . Aldrich Chemical Company, Inc.: Milwaukee, Wisconsin, 1990. |
| (Grieser, 1985) | Grieser, F.; Lay, M.; Thistlethwaite, P. J., Excited-State Torsional Relaxation in 1,1'-Dihexyl-3,3,3',3'-tetramethylindocarbocyanine Iodide: Application to the Probing of Micelle Structure. <i>Journal of Physical Chemistry</i> 1985 , 89 (10), 2065-2070. |
| (Gripenberg, 1958) | Gripenberg, J., Fungus Pigments. X. The Ultra-violet Absorption of Some Substituted 2,5-Diphenylbenzoquinones and their Leucoacetates. <i>Acta Chem. Scand.</i> 1958 , 12 (9), 1762-1767. |
| (Gross, 1999) | Gross, Z.; Galili, N.; Saltsman, I., The First Direct Synthesis of Corroles from Pyrrole. <i>Angew Chem Int Edit</i> 1999 , 38 (10), 1427-1429. |
| (Gruen, 1989) | Gruen, H.; Görner, H., Trans → Cis Photoisomerization, Fluorescence, and Relaxation Phenomena of <i>trans</i> -4-Nitro-4'-(dialkylamino)stilbenes and Analogues with a Nonrotatable Amino Group. <i>Journal of Physical Chemistry</i> 1989 , 93 (20), 7144- |

| | |
|----------------------|--|
| | 7152. |
| (Gruzinskii, 1992) | Gruzinskii, V. V.; Kopylova, T. N.; Svinarev, N. V.; Sokolova, I. V.; Loboda, L. I., Investigation of Excited States of Monofluorophore and Bifluorophore Molecules. <i>J. Appl. Spectrosc.</i> 1992 , 55 (5), 745-751. |
| (Gu, 2014) | Gu, X.; Zhu, H.; Yang, S.; Zhu, Y.-C.; Zhu, Y.-Z., Development of a Highly Selective H ₂ S Fluorescent Probe and Its Application to Evaluate CSE Inhibitors. <i>RSC Adv.</i> 2014 , 4 (91), 50097-50101. |
| (Guerry-Butty, 1985) | Guerry-Butty, E.; Haselbach, E.; Pasquier, C.; Suppan, P.; Phillips, D., Laser Flash Photolysis of Chloranil in Solution. <i>Helv. Chim. Acta</i> 1985 , 68 (4), 912-918. |
| (Guo, 2016) | Guo, R.-J.; Yan, J.-W.; Chen, S.-B.; Gu, L.-Q.; Huang, Z.-S.; Tan, J.-H., A Simple Structural Modification to Thiazole Orange to Improve the Selective Detection of G-Quadruplexes. <i>Dyes Pigments</i> 2016 , 126, 76-85. |
| (Gupta, 1981) | Gupta, D. N.; Hodge, P.; Khan, N., Chemistry of Quinones. Part 7. Synthesis of Anthracyclinone Analogs via Diels–Alder Reactions of 1,4-Anthraquinones. <i>J. Chem. Soc. Perkin Trans. I</i> 1981 , (3), 689-696. |
| (Gustavsson, 2006) | Gustavsson, T.; Bányász, Á.; Lazzarotto, E.; Markovitsi, D.; Scalmani, G.; Frisch, M. J.; Barone, V.; Improta, R., Singlet Excited-State Behavior of Uracil and Thymine in Aqueous Solution: A Combined Experimental and Computational Study of 11 Uracil Derivatives. <i>Journal of the American Chemical Society</i> 2006 , 128 (2), 607-619. |
| (Hamai, 1983) | Hamai, S.; Hirayama, F., Actinometric Determination of Absolute Fluorescence Quantum Yields. <i>Journal of Physical Chemistry</i> 1983 , 87 (1), 83-89. |
| (Hanson, 1973) | Hanson, P.; Norman, R. O. C., Heterocyclic Free Radicals. Part IV. Some Reactions of Phenotiazine, Two Derived Radicals, and Phenothiazin-5-i um Ion. <i>J. Chem. Soc. Perkin Trans. 2</i> 1973 , (3), 264-271. |
| (Harada, 1980) | Harada, N.; Tamai, Y.; Uda, H., Circular Dichroic Power of Chiral Triptycenes. <i>Journal of the American Chemical Society</i> 1980 , 102 (2), 506-511. |
| (Härd, 1990) | Härd, T.; Fan, P.; Kearns, D. R., A Fluorescence Study of the Binding of Hoechst 33258 and DAPI to Halogenated DNAs. <i>Photochemistry and Photobiology</i> 1990 , 51 (1), 77-86. |
| (Harriman, 1980) | Harriman, A., Luminescence of Porphyrins and Metalloporphyrins. Part 1.—Zinc(II), Nickel(II) and Manganese(II) Porphyrins. <i>J. Chem. Soc. Faraday Trans. I</i> 1980 , 76, 1978-1985. |
| (Harriman, 1979) | Harriman, A.; Porter, G.; Searle, N., Reversible Photo-oxidation of Zinc Tetraphenylporphine by Benzo-1,4-quinone. <i>J. Chem. Soc. Faraday Trans. II</i> 1979 , 75, 1515-1521. |
| (Harriman, 1974) | Harriman, A.; Rockett, B. W., Comparative Study of Spin–Orbital Coupling for Halogenated Ethylbenzenes by a Study of Their Fluorescence. <i>J. Chem. Soc. Perkin Trans. 2</i> 1974 , (3), 217-219. |
| (Harrowven, 2002) | Harrowven, D. C.; Sutton, B. J.; Coulton, S., Intramolecular Radical Additions to Quinolines. <i>Tetrahedron</i> 2002 , 58 (17), 3387-3400. |
| (Hartmann, 1952) | Hartmann, H.; Lorenz, E., Über die Absorptionsspektren der Chinone. <i>Z. Naturforsch. A</i> 1952 , 7 (5), 360-369. |
| (Hartshorn, | Hartshorn, M. P.; Robinson, W. T.; Vaughan, J.; White, J. M.; Whyte, A. R., The Nitration of Pentamethylphenol. <i>Aust. J.</i> |

| | |
|--------------------|---|
| (1984) | <i>Chem</i> 1984 , <i>37</i> (7), 1489-1502. |
| (Hauke, 2005) | Hauke, F.; Hirsch, A.; Atalick, S.; Guldi, D., Quantitative Transduction of Excited-State Energy in Fluorophore-Heterofullerene Conjugates. <i>Eur. J. Org. Chem.</i> 2005 , (9), 1741-1751. |
| (Hegde, 2004) | Hegde, R.; Thimmaiah, P.; Yerigeri, M. C.; Krishnegowda, G.; Thimmaiah, K. N.; Houghton, P. J., Anti-calmodulin Acridone Derivatives Modulate Vinblastine Resistance in Multidrug Resistant (MDR) Cancer Cells. <i>Eur. J. Med. Chem.</i> 2004 , <i>39</i> (2), 161-177. |
| (Heldt, 1995) | Heldt, J. R.; Heldt, J.; Stoń, M.; Diehl, H. A., Photophysical Properties of 4-Alkyl- and 7-Alkoxycoumarin Derivatives. Absorption and Emission Spectra, Fluorescence Quantum Yield and Decay Time. <i>Spectrochim. Acta A</i> 1995 , <i>51</i> (9), 1549-1563. |
| (Hennig, 1980) | Hennig, H.; Heckner, K.-H.; Pavlov, A. A.; Kuzmin, M. G., Spektroskopische Eigenschaften von Silacyclopentadienderivaten. <i>Ber. Bunsenges. Phys. Chem.</i> 1980 , <i>84</i> (11), 1122-1124. |
| (Hill, 1964) | Hill, J. A.; Williams, R. J. P.; Pratt, J. M., The Chemistry of Vitamin B ₁₂ . Part I. The Valency and Spectrum of the Coenzyme. <i>J Chem Soc</i> 1964 , (Dec), 5149-5153. |
| (Hinckley, 1986) | Hinckley, D. A.; Seybold, P. G.; Borris, D. P., Solvatochromism and Thermochromism of Rhodamine Solutions. <i>Spectrochim. Acta A</i> 1986 , <i>42</i> (6), 747-754. |
| (Hirschmann, 1954) | Hirschmann, R.; Miller, R.; Wendler, N. L., The Synthesis of Vitamin K ₁ . <i>Journal of the American Chemical Society</i> 1954 , <i>76</i> (18), 4592-4594. |
| (Hoobeke, 1990) | Hoobeke, M.; Piette, J.; van de Vorst, A., Viscosity-Dependent Isomerization and Fluorescence Yields of Merocyanine 540. <i>J. Photoch. Photobio. B</i> 1990 , <i>4</i> (3), 273-282. |
| (Hofkens, 1999) | Hofkens, J.; Latterini, L.; De Belder, G.; Gensch, T.; Maus, M.; Vosch, T.; Karni, Y.; Schweitzer, G.; De Schryver, F. C.; Hermann, A.; Mullen, K., Photophysical Study of a Multi-Chromophoric Dendrimer by Time-Resolved Fluorescence and Femtosecond Transient Absorption Spectroscopy. <i>Chem Phys Lett</i> 1999 , <i>304</i> (1-2), 1-9. |
| (Hojo, 2000) | Hojo, M.; Ueda, T.; Kawamura, K.; Yamasaki, M., The Direct Effects of Alkali Metal and Alkaline Earth Metal Perchlorates on the Equilibria of Acid–Base Indicators (Sulfonephthaleins) in Acetonitrile Solution. <i>Bulletin of the Chemical Society of Japan</i> 2000 , <i>73</i> (2), 347-355. |
| (Hoover, 1988) | Hoover, J. K.; Sery, T. W.; Yamamoto, N., Photodynamic Sensitizers from Chlorophyll: Purpurin-18 and Chlorin <i>p</i> ₆ . <i>Photochemistry and Photobiology</i> 1988 , <i>48</i> (5), 579-582. |
| (Horiuchi, 2006) | Horiuchi, H.; Tanaka, T.; Yoshimura, K.; Sato, K.; Kyushin, S.; Matsumoto, H.; Hiratsuka, H., Enhancement of Singlet Oxygen Sensitization of Tetraphenylporphyrin by Silylation. <i>Chem. Lett.</i> 2006 , <i>35</i> (6), 662-663. |
| (Hou, 2007) | Hou, X.; Tong, X.; Dong, W.; Dong, C.; Shuang, S., Synchronous Fluorescence Determination of Human Serum Albumin with Methyl Blue as a Fluorescence Probe. <i>Spectrochim. Acta A</i> 2007 , <i>66</i> (3), 552-556. |
| (Huang, 2013) | Huang, M.; Gu, J.; Elangovan, S. P.; Li, Y.; Zhao, W.; Iijima, T.; Yamazaki, Y.; Shi, J., Intrinsic Peroxidase-like Catalytic Activity of Hydrophilic Mesoporous Carbons. <i>Chem. Lett.</i> 2013 , <i>42</i> (8), 785-787. |

| | |
|--------------------|---|
| (Hudson, 1974) | Hudson, B.; Kohler, B., Linear Polyene Electronic Structure and Spectroscopy. <i>Annu. Rev. Phys. Chem.</i> 1974 , 25, 437-460. |
| (Huitink, 1974) | Huitink, G. M.; Poe, D. P.; Diehl, H., On the Properties of Calcein Blue. <i>Talanta</i> 1974 , 21 (12), 1221-1229. |
| (Hungerford, 1999) | Hungerford, G.; Van der Auweraer, M.; Chambron, J.-C.; Heitz, V.; Sauvage, J.-P.; Pierre, J.-L.; Zurita, D., Intramolecular Energy Transfer in Bis-porphyrins Containing Diimine Chelates of Variable Geometry as Spacers. <i>Chem. Eur. J.</i> 1999 , 5 (7), 2089-2100. |
| (Hynninen, 2014) | Hynninen, P. H., Protonation-Deprotonation Equilibria in Tetrapyrroles. Part 4. Mono- and Diprotonations of Deutero-, Hemato-, Meso-, and Protoporphyrin IX Dimethyl Esters in Methanolic Hydrochloric Acid. <i>J. Porphyr. Phthalocyanines</i> 2014 , 18 (5), 385-395. |
| (Hynninen, 1983) | Hynninen, P. H.; Lötjönen, S., Large-Scale Preparation of Crystalline (10S)-Chlorophyll <i>a</i> and <i>b</i> . <i>Synthesis</i> 1983 , (9), 705-708. |
| (Iida, 1978) | Iida, H.; Sato, T.; Kawamoto, H.; Takahashi, K.; Yamada, K., Reactions of Nitrosobenzenes with Nitrogen Monoxide. <i>Nippon Kagaku Kaishi</i> 1978 , (7), 1003-1006. |
| (Imasaka, 1976) | Imasaka, T.; Ogawa, T.; Ishibashi, N., Characteristics of Coordination Compounds of Calcein Blue for a Tunable Organic Liquid Laser. <i>Bulletin of the Chemical Society of Japan</i> 1976 , 49 (10), 2687-2695. |
| (Irvin, 1948) | Irvin, J. L.; Irvin, E. M., A Fluorometric Method for the Determination of Pamaquine, SN-13276, and SN-3294. <i>J. Biol. Chem.</i> 1948 , 174 (2), 589-596. |
| (Isak, 1992) | Isak, S. J.; Eyring, E. M., Fluorescence Quantum Yield of Cresyl Violet in Methanol and Water as a Function of Concentration. <i>Journal of Physical Chemistry</i> 1992 , 96 (4), 1738-1742. |
| (Ishii, 2008) | Ishii, H.; Okada, Y.; Baba, M.; Okuyama, T., Studies of Coumarins from the Chinese Drug Qianhu, XXVII: Structure of a New Simple Coumarin Glycoside from Bai-Hua Qianhu, <i>Peucedanum praeruptorum</i> . <i>Chem. Pharm. Bull.</i> 2008 , 56 (9), 1349-1351. |
| (Ishikawa, 1972) | Ishikawa, N., Preparation and Visible Absorption Spectrum of Tetrafluoro (Methyl Red). <i>Nippon Kagaku Kaishi</i> 1972 , 1, 202-204. |
| (Ito, 1984) | Ito, Y.; Kawatsuki, N.; Matsuura, T., Contrasting Photochemical Behavior between Meta-Substituted and Para-Substituted Aromatic Polycarbonyl Compounds. <i>Tetrahedron Letters</i> 1984 , 25 (40), 4525-4528. |
| (Itokawa, 1983) | Itokawa, H.; Mihara, K.; Takeya, K., Studies on a Novel Anthraquinone and Its Glycosides Isolated from <i>Rubia cordifolia</i> and <i>R. akane</i> . <i>Chem. Pharm. Bull.</i> 1983 , 31 (7), 2353-2358. |
| (Jadhav, 2017) | Jadhav, A. G.; Kothavale, S.; Sekar, N., Red Emitting Triphenylamine Based Rhodamine Analogous with Enhanced Stokes Shift and Viscosity Sensitive Emission. <i>Dyes Pigments</i> 2017 , 138, 56-67. |
| (Jasim, 1989) | Jasim, F.; Ali, F., Measurements of Some Spectrophotometric Parameters of Curcumin in 12 Polar and Nonpolar Organic Solvents. <i>Microchem. J.</i> 1989 , 39 (2), 156-159. |
| (Jayasree, 2001) | Jayasree, V.; Bhat, S. N., Host-Guest Complexes: Spectroscopic and Thermodynamic Studies of Cyclodextrins-Dyes. <i>J. Indian Chem. Soc.</i> 2001 , 78 (10-12), 533-541. |
| (Jin, 2016) | Jin, T.; Tsuboi, S.; Komatsuzaki, A.; Imamura, Y.; Muranaka, Y.; Sakata, T.; Yasuda, H., Enhancement of Aqueous Stability |

| | |
|-------------------------|---|
| | and Fluorescence Brightness of Indocyanine Green Using Small Calix[4]arene Micelles for Near-Infrared Fluorescence Imaging. <i>Med. Chem. Commun.</i> 2016 , 7 (4), 623-631. |
| (Johnson, 1993) | Johnson, D. G.; Niemczyk, M. P.; Minsek, D. W.; Wiederrecht, G. P.; Svec, W. A.; Gaines, G. L., III; Wasielewski, M. R., Photochemical Electron Transfer in Chlorophyll–Porphyrin–Quinone Triads: The Role of the Porphyrin-Bridging Molecule. <i>Journal of the American Chemical Society</i> 1993 , 115 (13), 5692-5701. |
| (Jones, 1985) | Jones, G., II; Jackson, W. R.; Choi, C.-y.; Bergmark, W. R., Solvent Effects on Emission Yield and Lifetime for Coumarin Laser Dyes. Requirements for a Rotatory Decay Mechanism. <i>Journal of Physical Chemistry</i> 1985 , 89 (2), 294-300. |
| (Jones, 1980) | Jones, G., II; Jackson, W. R.; Halpern, A. M., Medium Effects on Fluorescence Quantum Yields and Lifetimes for Coumarin Laser Dyes. <i>Chem Phys Lett</i> 1980 , 72 (2), 391-395. |
| (Jones, 1999) | Jones, G., II; Jimenez, J. A. C., Intramolecular Photoinduced Electron Transfer for Cations Derived from Azole-Substituted Coumarin Dyes. <i>Tetrahedron Letters</i> 1999 , 40 (49), 8551-8555. |
| (Jones, 2003) | Jones, G., II; Wang, X.; Hu, J., Photochemistry of Rhodamine Dye Salts Involving Intra-Ion-Pair Electron Transfer. <i>Can. J. Chem.</i> 2003 , 81 (6), 789-798. |
| (Jones, 2006) | Jones, W. J.; Grofcsik, A.; Kubinyi, M.; Thomas, D., Concentration-Modulated Absorption Spectroscopy and the Triplet State: Photoinduced Absorption/Bleaching in Erythrosin B, Rose Bengal and Eosin y. <i>J. Mol. Struct.</i> 2006 , 792-793, 121-129. |
| (Jozwiakowski, 1988) | Jozwiakowski, M. J.; Connors, K. A., Studies on Adsorptiochromism II: Diffuse Reflectance Spectroscopy of Adsorptiochromic Spiropyrans Adsorbed to Some Pharmaceutically Useful Solids. <i>J. Pharm. Sci.</i> 1988 , 77 (3), 241-246. |
| (Juárez, 2005) | Juárez, R.; Gómez, R.; Segura, J. L.; Seoane, C., Synthesis and Electrochemical Characterization of Donor–Acceptor Phenylazomethine Dendrimers. <i>Tetrahedron Letters</i> 2005 , 46 (51), 8861-8864. |
| (Ka, 2000) | Ka, J.-W.; Cho, W.-S.; Lee, C.-H., Expedient Synthesis of Corroles by Oxidant-Mediated, Direct α - α' Coupling of Tetrapyrromethanes. <i>Tetrahedron Letters</i> 2000 , 41 (42), 8121-8125. |
| (Kaito, 1977) | Kaito, A.; Hatano, M.; Tajiri, A., CNDO Treatment for Faraday B Terms of Some Azaheterocycles. <i>Journal of the American Chemical Society</i> 1977 , 99 (16), 5241-5246. |
| (Kaizu, 1986) | Kaizu, Y.; Maekawa, H.; Kobayashi, H., Upper Excited-State Emission of a Covalently Linked Porphyrin Dimer. <i>Journal of Physical Chemistry</i> 1986 , 90 (18), 4234-4238. |
| (Kalyanasundaram, 1982) | Kalyanasundaram, K., Photophysics, Photochemistry, and Solar Energy Conversion with Tris(bipyridyl)ruthenium(II) and Its Analogues. <i>Coordin. Chem. Rev.</i> 1982 , 46 (Oct), 159-244. |
| (Kamachi, 1983) | Kamachi, S.; Wakabayashi, K.; Zaitsu, K.; Ohkura, Y., New Chromogenic Substrates for the Assay of Esterases — Acetates and Butyrates of Phenolic Naphthylazo Compounds with Sulfonic Acid Group. <i>Chem. Pharm. Bull.</i> 1983 , 31 (1), 162-167. |
| (Kanazawa, 1995) | Kanazawa, H.; Onami, T., Degradation of Azo Dyes by Sodium Hypochlorite 3. Estimation of the Rate Equation for the Degradation of Orange G and Benzopurpurine. <i>Bulletin of the Chemical Society of Japan</i> 1995 , 68, 2483-2489. |
| (Kandori, 1992) | Kandori, H.; Kemnitz, K.; Yoshihara, K., Subpicosecond Transient Absorption Study of Intermolecular Electron Transfer between Solute and Electron-Donating Solvents. <i>Journal of Physical Chemistry</i> 1992 , 96 (20), 8042-8048. |

| | |
|---------------------|--|
| (Kanitz, 1999) | Kanitz, A.; Hartmann, H., Preparation and Characterization of Bridged Naphthoxazinium Salts. <i>Eur. J. Org. Chem.</i> 1999 , (4), 923-930. |
| (Kapuscinski, 1995) | Kapuscinski, J., DAPI: a DNA-Specific Fluorescent Probe. <i>Biotech. Histochem.</i> 1995 , 70 (5), 220-233. |
| (Karpiuk, 1994) | Karpiuk, J.; Grabowski, Z. R.; De Schryver, F. C., Photophysics of the Lactone Form of Rhodamine 101. <i>Journal of Physical Chemistry</i> 1994 , 98 (13), 3247-3256. |
| (Karstens, 1980) | Karstens, T.; Kobs, K., Rhodamine B and Rhodamine 101 as Reference Substances for Fluorescence Quantum Yield Measurements. <i>Journal of Physical Chemistry</i> 1980 , 84 (14), 1871-1872. |
| (Karukstis, 1997) | Karukstis, K. K.; D'Angelo, N. D.; Loftus, C. T., Using the Optical Probe Methyl Orange To Determine the Role of Surfactant and Alcohol Chain Length in the Association of 1-Alkanols with Alkyltrimethylammonium Bromide Micelles. <i>J. Phys. Chem. B</i> 1997 , 101 (11), 1968-1973. |
| (Kay, 1994) | Kay, A.; Humphry-Baker, R.; Grätzel, M., Artificial Photosynthesis. 2. Investigations on the Mechanism of Photosensitization of Nanocrystalline TiO ₂ Solar Cells by Chlorophyll Derivatives. <i>Journal of Physical Chemistry</i> 1994 , 98 (3), 952-959. |
| (Kay, 1964) | Kay, R. E.; Walwick, E. R.; Gifford, C. K., Spectral Changes in a Cationic Dye Due to Interaction with Macromolecules. I. Behavior of Dye Alone in Solution and the Effect of Added Macromolecules. <i>Journal of Physical Chemistry</i> 1964 , 68 (7), 1896-1906. |
| (Keegan, 1982) | Keegan, J. D.; Stolzenberg, A. M.; Lu, Y.-C.; Linder, R. E.; Barth, G.; Moscowitz, A.; Bunnenberg, E.; Djerassi, C., Magnetic Circular Dichroism Studies. 60. Substituent-Induced Sign Variation in the Magnetic Circular Dichroism Spectra of Reduced Porphyrins. 1. Spectra and Band Assignments. <i>Journal of the American Chemical Society</i> 1982 , 104 (16), 4305-4317. |
| (Keilin, 1955) | Keilin, J., Reactions of Free Haematin and Haemoproteins with Nitric Oxide and certain other Substances. <i>Biochem. J.</i> 1955 , 59 (4), 571-579. |
| (Kellogg, 1964) | Kellogg, R. E.; Bennett, R. G., Radiationless Intermolecular Energy Transfer. III. Determination of Phosphorescence Efficiencies. <i>Journal of Chemical Physics</i> 1964 , 41 (10), 3042-3045. |
| (Kenner, 1971) | Kenner, R. A.; Aboderin, A. A., A New Fluorescent Probe for Protein and Nucleoprotein Conformation. Binding of 7-(p-Methoxybenzylamino)-4-nitrobenzoxadiazole to Bovine Trypsinogen and Bacterial Ribosomes. <i>Biochemistry</i> 1971 , 10 (24), 4433-4440. |
| (Khvostenko, 2003) | Khvostenko, O. G.; Tzeplin, E. E.; Dzhemilev, U. M., A First Example of Application of Photoelectron Spectroscopy to Interpretation of the UV Absorption Spectra of Benzenes. <i>Dokl. Chem.</i> 2003 , 389 (4-6), 101-105. |
| (Kim, 2015) | Kim, H. Y.; Im, H. G.; Chang, S.-K., Colorimetric and Fluorogenic Signaling of Fluoride Ions by Thiophosphinated Dichlorofluorescein. <i>Dyes Pigments</i> 2015 , 112, 170-175. |
| (Kim, 1972) | Kim, J. B.; Leonard, J. J.; Longo, F. R., A Mechanistic Study of the Synthesis and Spectral Properties of <i>meso</i> -Tetraarylporphyrins. <i>Journal of the American Chemical Society</i> 1972 , 94 (11), 3986-3992. |
| (Kimura, 2002) | Kimura, M.; Mitekura, H.; Fujie, T.; No, T., Development of New Three Component Photo-Polymerization Systems Efficient |

| | |
|--------------------|--|
| | Even Near the Infrared Region. <i>Bulletin of the Chemical Society of Japan</i> 2002 , 75 (5), 1159-1162. |
| (Kini, 1985) | Kini, A. M.; Cowan, D. O.; Gerson, F.; Mockel, R., New Synthesis and Properties of 11,11,12,12-Tetracyano-9,10-anthraquinodimethane: An Electron Acceptor Displaying a Single-Wave, Two-Electron Reduction and a Coproportionation Pathway to the Radical Anion. <i>Journal of the American Chemical Society</i> 1985 , 107 (3), 556-562. |
| (Kirby, 1972) | Kirby, E. P.; Steiner, R. F., The Influence of Solvent and Temperature upon the Fluorescence of Indole Derivatives. <i>Journal of Physical Chemistry</i> 1972 , 74 (26), 4480-4490. |
| (Kireev, 1980) | Kireev, G. V.; Leont'ev, V. B.; Kurbatov, Y. V.; Otroshchenko, O. S.; Sadykov, A. S., IR and UV Spectroscopy and the Spatial and Electronic Structure of the Dipyridyl N-Oxides. <i>B. Acad. Sci. USSR Chem. Sci.</i> 1980 , 29 (5), 740-746. |
| (Kitamura, 2005) | Kitamura, T.; Hikita, A.; Ishikawa, H.; Fujimoto, A., Photoinduced Amino-Imino Tautomerization Reaction in 2-Aminopyrimidine and Its Methyl Derivatives with Acetic Acid. <i>Spectrochim. Acta A</i> 2005 , 62 (4-5), 1157-1164. |
| (Kjølberg, 1994) | Kjølberg, O.; Neumann, K., Synthesis of Acyclic Carbohydrate Isopropylidene Mixed Acetals Using 2,3-Dichloro-5,6-dicyano- <i>p</i> -benzoquinone as a Catalyst. <i>Acta Chem. Scand.</i> 1994 , 48 (1), 80-83. |
| (Kobayashi, 2003) | Kobayashi, N.; Ogata, H.; Nonaka, N.; Luk'yanets, E. A., Effect of Peripheral Substitution on the Electronic Absorption and Fluorescence Spectra of Metal-Free and Zinc Phthalocyanines. <i>Chemistry</i> 2003 , 9 (20), 5123-5134. |
| (Koehorst, 1981) | Koehorst, R. B. M.; Kleibeuker, J. F.; Schaafsma, T. J.; de Bie, D. A.; Geurtzen, B.; Henrie, R. N.; van der Plas, H. C., Preparation and Spectroscopic Properties of Pure Tetrabenzoporphyrins. <i>Journal of the Chemical Society, Perkin Transactions 2</i> 1981 , 1005-1009. |
| (Koepernik, 1983) | Koepernik, H.; Borsdorf, R., Identifizierung substituierter Naphthalensulfonsäuren mittels UV-Spektroskopie — ein Beitrag zur Strukturaufklärung von sauren Azofarbstoffen. <i>J. Prakt. Chem.</i> 1983 , 325 (6), 1002-1010. |
| (Koide, 1972) | Koide, S.; Udagawa, Y.; Mikami, N.; Kaya, K.; Ito, M., The Resonance Raman Effect of Azobenzene and <i>p</i> -Aminoazobenzene. <i>Bulletin of the Chemical Society of Japan</i> 1972 , 45 (12), 3542-3543. |
| (Kolic, 2016) | Kolic, P. E.; Siraj, N.; Cong, M.; Regmi, B. P.; Luan, X.; Wang, Y.; Warner, I. M., Improving Energy Relay Dyes for Dye-Sensitized Solar Cells by Use of a Group of Uniform Materials Based on Organic Salts (GUMBOS). <i>RSC Adv.</i> 2016 , 6 (97), 95273-95282. |
| (Kompantsev, 1972) | Kompantsev, V. A.; Skinkarenko, A. L., Phenolic Glycosides of the Roots of <i>Salix pentandraoides</i> . <i>Pyatigorsk Pharmaceutical Institute</i> 1972 , Jan.-Feb., 1973 (1), 127. |
| (König, 1994) | König, B.; Ramm, S.; Bubenitschek, P.; Jones, P. G.; Hopf, H.; Knieriem, B.; de Meijere, A., [2.2](4,4)Isobenzofuranophanes – Synthesis, Characterization, and Reactivity. <i>Chemische Berichte</i> 1994 , 127 (11), 2263-2266. |
| (Kosiova, 2007) | Kosiova, I.; Kois, P., Synthesis of Novel Coumarin-Based Fluorescent Probes. <i>Collect. Czech. Chem. Comm.</i> 2007 , 72 (8), 996-1004. |
| (Kosower, 1983) | Kosower, E. M.; Kanety, H., Intramolecular Donor–Acceptor Systems. 10. Multiple Fluorescences from 8-(Phenylamino)-1-naphthalenesulfonates. <i>Journal of the American Chemical Society</i> 1983 , 105 (20), 6236-6243. |
| (Kovalska, | Kovalska, V. B.; Valyukh, I. V.; Lukashov, S. S.; Slominskii, Y. L.; Yarmoluk, S. M., An Investigation of Tricarbocyanines |

| | |
|----------------------|--|
| (Kovshev, 1972) | "Stains-All" and "iso-Stains-All" as Fluorescent Nucleic Acids Probes. <i>J. Fluoresc.</i> 2002 , <i>12</i> (2), 209-212. |
| (Koziol, 1966) | Koziol, J., Studies on Flavins in Organic Solvents—I. Spectral Characteristics of Riboflavin, Riboflavin Tetrabutyrate and Lumichrome. <i>Photochemistry and Photobiology</i> 1966 , <i>5</i> (1), 41-54. |
| (Koziol, 1965) | Koziol, J.; Knobloch, E., The Solvent Effect on the Fluorescence and Light Absorption of Riboflavin and Lumiflavin. <i>Biochim. Biophys. Acta</i> 1965 , <i>102</i> (1), 289-300. |
| (Krasovitskii, 1982) | Krasovitskii, B. M.; Shershukov, V. M.; Pereyaslova, D. G.; Vinetskaya, Y. M., Aryloxazolyl-Substituted Rhodamine C Derivatives. <i>Chemistry of Heterocyclic Compounds</i> 1982 , <i>18</i> , 787-791. |
| (Krauss, 1981) | Krauss, S. R.; Smith, S. G., Kinetics and Mechanism of the Conjugate Addition of Lithium Dimethylcuprate to α,β -Unsaturated Ketones. <i>Journal of the American Chemical Society</i> 1981 , <i>103</i> (1), 141-148. |
| (Krois, 1990) | Krois, D.; Lehner, H., Peptide-mediated Conformational Changes in Bilipeptides: Evidence for the Occurrence of Stretched Species. <i>Journal of the Chemical Society, Perkin Transactions 2</i> 1990 , (11), 1745-1755. |
| (Krzeszewski, 2013) | Krzeszewski, M.; Vakuliuk, O.; Gryko, D. T., Color-Tunable Fluorescent Dyes Based on Benzo[c]coumarin. <i>Eur. J. Org. Chem.</i> 2013 , <i>2013</i> (25), 5631-5644. |
| (Kubin, 1982) | Kubin, R. F.; Fletcher, A. N., Fluorescence Quantum Yields of Some Rhodamine Dyes. <i>J. Lumin.</i> 1982 , <i>27</i> (4), 455-462. |
| (Kubinyi, 2002) | Kubinyi, M.; Brátán, J.; Grofcsik, A.; Biczók, L.; Poór, B.; Bitter, I.; Grün, A.; Bogáti, B.; Tóth, K., Proton Transfer and Supramolecular Complex Formation between Nile Blue and Tetraundecylcalix[4] resorcinarene—a Fluorescence Spectroscopic Study. <i>J. Chem. Soc. Perkin Trans. 2</i> 2002 , (10), 1784-1789. |
| (Kubinyi, 2005) | Kubinyi, M.; Vidóczy, T.; Varga, O.; Nagy, K.; Bitter, I., Absorption and Fluorescence Spectroscopic Study on Complexation of Oxazine 1 Dye by Calix[8]arenesulfonate. <i>Appl. Spectrosc.</i> 2005 , <i>59</i> (1), 134-139. |
| (Kubota, 1977) | Kubota, Y.; Steiner, R. F., Fluorescence Decay and Quantum Yield Characteristics of Acridine Orange and Proflavine Bound to DNA. <i>Biophys. Chem.</i> 1977 , <i>6</i> (3), 279-289. |
| (Kuboyama, 1976) | Kuboyama, A.; Arano, H., Studies of $\pi \rightarrow \pi^*$ Absorption Bands of 1,2-Naphthoquinone. <i>Bulletin of the Chemical Society of Japan</i> 1976 , <i>49</i> (5), 1401-1402. |
| (Kuboyama, 1979) | Kuboyama, A.; Matsumoto, H., The Similarity between the π, π^* Absorption Spectra of 1-Indenone and 1,2-Naphthoquinone. <i>Bulletin of the Chemical Society of Japan</i> 1979 , <i>52</i> (6), 1796-1798. |
| (Kuboyama, 1974) | Kuboyama, A.; Matsuzaki, S.; Takagi, H.; Arano, H., Studies of the $\pi-\pi^*$ Absorption Bands of <i>p</i> -Quinones and <i>o</i> -Benzoquinone. <i>Bulletin of the Chemical Society of Japan</i> 1974 , <i>47</i> (7), 1604-1607. |
| (Kunimoto, 2002) | Kunimoto, K.-K.; Sugiura, H.; Kato, T.; Senda, H.; Kuwae, A.; Hanai, K., Ring-Chain Tautomerism of Halogenated Phenolphthaleins: Vibrational Spectroscopic and Semiempirical MO Study. <i>Heterocycles</i> 2002 , <i>57</i> (5), 895-901. |
| (Kuś, 2000) | Kuś, P.; Jones, P. G., Synthesis of New Tetraoxacyclophanes Containing Benzophenone Units. <i>Polish J. Chem.</i> 2000 , <i>74</i> (7), 965-977. |

| | |
|------------------|--|
| (Kushwaha, 2011) | Kushwaha, S.; Bahadur, L., Characterization of Some Metal-Free Organic Dyes as Photosensitizer for Nanocrystalline ZnO-Based Dye Sensitized Solar Cells. <i>Int. J. Hydrogen Energ.</i> 2011 , <i>36</i> (18), 11620-11627. |
| (Kuzmin, 1978) | Kuzmin, V. A.; Darmanyan, A. P., Study of Sterically Hindered Short-Lived Isomers of Polymethine Dyes by Laser Photolysis. <i>Chem Phys Lett</i> 1978 , <i>54</i> (1), 159-163. |
| (Lamberts, 1985) | Lamberts, J. J. M.; Neckers, D. C., Rose Bengal Derivatives as Singlet Oxygen Sensitizers. <i>Tetrahedron</i> 1985 , <i>41</i> (11), 2183-2190. |
| (Laurent, 2001) | Laurent, P.; Lebrun, B.; Braekman, J.-C.; Daloze, D.; Pasteels, J. M., Biosynthetic Studies on Adaline and Adalinine, Two Alkaloids from Ladybird Beetles (Coleoptera: Coccinellidae). <i>Tetrahedron</i> 2001 , <i>57</i> (16), 3403-3412. |
| (Lavis, 2015) | Lavis, L. D.; Grimm, J. B.; Chin, J.; Lionette, S.; Zhang, Z.; Revyakin, A.; Slaughter, J. Azetidine-Substituted Fluorescent Compounds. 2015. |
| (Law, 1987) | Law, K.-Y., Squaraine Chemistry. Effects of Structural Changes on the Absorption and Multiple Fluorescence Emission of Bis[4-(dimethylamino)phenyl]squaraine and Its Derivatives. <i>Journal of Physical Chemistry</i> 1987 , <i>91</i> (20), 5184-5193. |
| (Lawrence, 1996) | Lawrence, D. S.; Whitten, D. G., Photochemistry and Photophysical Properties of Novel, Unsymmetrically Substituted Metallophthalocyanines. <i>Photochemistry and Photobiology</i> 1996 , <i>64</i> (6), 923-935. |
| (Ledesma, 1997) | Ledesma, G. N.; Ibañez, G. A.; Escandar, G. M.; Olivieri, A. C., Ground and Excited State Proton Transfer in Intramolecularly Hydrogen Bonded Aromatic α -Hydroxy Azo, Aldehydes and Their Derivatives. <i>J. Mol. Struct.</i> 1997 , <i>415</i> (1-2), 115-121. |
| (Lee, 1985) | Lee, J.; Robinson, G. W., Electron Hydration Dynamics Using the 2-Anilinonaphthalene Precursor. <i>Journal of the American Chemical Society</i> 1985 , <i>107</i> (22), 6153-6156. |
| (Lee, 2012) | Lee, S.-C.; Kang, N.-Y.; Park, S.-J.; Yun, S.-W.; Chandran, Y.; Chang, Y.-T., Development of a Fluorescent Chalcone Library and Its Application in the Discovery of a Mouse Embryonic Stem Cell Probe. <i>Chem. Commun.</i> 2012 , <i>48</i> (53), 6681-6683. |
| (Lee, 2009) | Lee, S. H.; Nam, D. H.; Park, C. B., Screening Xanthene Dyes for Visible Light-Driven Nicotinamide Adenine Dinucleotide Regeneration and Photoenzymatic Synthesis. <i>Adv. Synth. Catal.</i> 2009 , <i>351</i> (16), 2589-2594. |
| (Levine, 2010) | Levine, M.; Song, I.; Andrew, T. L.; Kooi, S. E.; Swager, T. M., Photoluminescent Energy Transfer from Poly(phenyleneethynylene)s to Near-Infrared Emitting Fluorophores. <i>J. Polym. Sci. Pol. Chem.</i> 2010 , <i>48</i> (15), 3382-3391. |
| (Lewis, 1990) | Lewis, F. D.; Bedell, A. M.; Dykstra, R. E.; Elbert, J. E.; Gould, I. R.; Farid, S., Photochemical Generation, Isomerization, and Oxygenation of Stilbene Cation Radicals. <i>Journal of the American Chemical Society</i> 1990 , <i>112</i> (22), 8055-8064. |
| (Lewis, 2000) | Lewis, F. D.; Hougland, J. L.; Markarian, S. A., Formation and Anomalous Behavior of Aminonaphthalene-Cinnamonnitrile Exciplexes. <i>J. Phys. Chem. A</i> 2000 , <i>104</i> (15), 3261-3268. |
| (Lewis, 1999) | Lewis, F. D.; Wagner-Brennan, J. M.; Miller, A. M., Formation and Behavior of Intramolecular <i>N</i> -(styrylalkyl)aniline Exciplexes. <i>Can. J. Chem.</i> 1999 , <i>77</i> (5-6), 595-604. |
| (Lewis, 2003) | Lewis, F. D.; Zuo, X., Activated Decay Pathways for Planar vs Twisted Singlet Phenylalkenes. <i>Journal of the American Chemical Society</i> 2003 , <i>125</i> (29), 8806-8813. |
| (Leznoff, 1987) | Leznoff, C. C.; Greenberg, S.; Khouw, B.; Lever, A. B. P., The Syntheses of Mono- and Disubstituted Phthalocyanines Using a |

| | |
|------------------|--|
| | Dithioimide. <i>Can. J. Chem.</i> 1987 , <i>65</i> (8), 1705-1713. |
| (Li, 2010) | Li, C.; Liu, S.; Liu, Z.; Hu, X., The Interaction between Furosemide-Palladium (II) Chelate and Basic Triphenylmethane Dyes by Resonance Rayleigh Scattering Spectra and Resonance Non-Linear Scattering Spectra and Their Analytical Applications. <i>Sci. China. Chem.</i> 2010 , <i>53</i> (8), 1767-1777. |
| (Li, 2007) | Li, L.; Gao, H.-W.; Ren, J.-R.; Chen, L.; Li, Y.-C.; Zhao, J.-F.; Zhao, H.-P.; Yuan, Y., Binding of Sudan II and IV to Lecithin Liposomes and <i>E. coli</i> Membranes: Insights into the Toxicity of Hydrophobic Azo Dyes. <i>BMC Struct. Biol.</i> 2007 , <i>7</i> , 16-24. |
| (Li, 2013) | Li, W.; Xu, D., Synthesis and Properties of Novel Polyazobenzene. <i>Asian J. Chem.</i> 2013 , <i>25</i> (7), 3625-3628. |
| (Liang, 2010) | Liang, R.; Chen, C.-H.; Han, R.-M.; Zhang, J.-P.; Skibsted, L. H., Thermodynamic versus Kinetic Control of Antioxidant Synergism between β -Carotene and (Iso)flavonoids and Their Glycosides in Liposomes. <i>J. Agr. Food Chem.</i> 2010 , <i>58</i> (16), 9221-9227. |
| (Lin, 2012) | Lin, J.-J.; Liu, D.; Fu, C.; Li, T.-Z., Optimization of Fenton-Like Degradation Conditions of Acid Red 14 Azo Dye Under Low Frequency Ultrasonic Irradiation. <i>Asian J. Chem.</i> 2012 , <i>24</i> (10), 4453-4457. |
| (Lindberg, 2016) | Lindberg, D. J.; Esbjörner, E. K., Detection of Amyloid- β Fibrils Using the DNA-Intercalating Dye YOYO-1: Binding Mode and Fibril Formation Kinetics. <i>Biochem. Biophys. Res. Co.</i> 2016 , <i>469</i> (2), 313-318. |
| (Linden, 1988) | Linden, S. M.; Neckers, D. C., Type I and Type II Sensitizers Based on Rose Bengal Onium Salts. <i>Photochemistry and Photobiology</i> 1988 , <i>47</i> (4), 543-550. |
| (Lindsey, 2015) | Lindsey, J. S., <i>De Novo</i> Synthesis of Gem-Dialkyl Chlorophyll Analogues for Probing and Emulating Our Green World. <i>Chemical Reviews</i> 2015 , <i>115</i> (13), 6534-6620. |
| (Lindsey, 1989) | Lindsey, J. S.; Brown, P. A.; Siesel, D. A., Visible Light-Harvesting in Covalently-Linked Porphyrin-Cyanine Dyes. <i>Tetrahedron</i> 1989 , <i>45</i> (15), 4845-4866. |
| (Lindsey, 1989) | Lindsey, J. S.; Wagner, R. W., Investigation of the Synthesis of Ortho-Substituted Tetraphenylporphyrins. <i>J Org Chem</i> 1989 , <i>54</i> (4), 828-836. |
| (Lindsey, 1995) | Lindsey, J. S.; Woodford, J. N., A Simple Method for Preparing Magnesium Porphyrins. <i>Inorg. Chem.</i> 1995 , <i>34</i> (5), 1063-1069. |
| (Liu, 2010) | Liu, B.; Xue, C.; Wang, J.; Yang, C.; Zhao, F.; Lv, Y., Study on the Competitive Reaction between Bovine Serum Albumin and Neomycin with Ponceau S as Fluorescence Probe. <i>J. Lumin.</i> 2010 , <i>130</i> (11), 1999-2003. |
| (Liu, 2009) | Liu, H.-B.; Yu, D.; Shin, S. C.; Park, H.-R.; Park, J. K.; Bark, K.-M., Spectroscopic Properties of Quercetin Derivatives, Quercetin-3- <i>O</i> -rhamnoside and Quercetin-3- <i>O</i> -rutinoside, in Hydro-organic Mixed Solvents. <i>Photochemistry and Photobiology</i> 2009 , <i>85</i> (4), 934-942. |
| (Liu, 2009) | Liu, Q.-H.; Liu, J.; Guo, J.-C.; Yan, X.-L.; Wang, D.-H.; Chen, L.; Yan, F.-Y.; Chen, L.-G., Preparation of Polystyrene Fluorescent Microspheres Based on Some Fluorescent Labels. <i>J. Mater. Chem.</i> 2009 , <i>19</i> (14), 2018-2025. |
| (Liu, 2006) | Liu, X.; Yeow, E. K. L.; Velate, S.; Steer, R. P., Photophysics and Spectroscopy of the Higher Electronic States of Zinc Metalloporphyrins: a Theoretical and Experimental Study. <i>Phys. Chem. Chem. Phys.</i> 2006 , <i>8</i> (11), 1298-1309. |

| | |
|----------------------------|---|
| (Liu, 2012) | Liu, Y.; Fan, Y.; Liu, X.-Y.; Jiang, S.-Z.; Yuan, Y.; Chen, Y.; Cheng, F.; Jiang, S.-C., Amphiphilic Hyperbranched Copolymers Bearing a Hyperbranched Core and Dendritic Shell: Synthesis, Characterization and Guest Encapsulation Performance. <i>Soft Matter</i> 2012 , <i>8</i> (32), 8361-8369. |
| (Long, 2011) | Long, C.; Mai, Z.; Yang, X.; Zhu, B.; Xu, X.; Huang, X.; Zou, X., A New Liquid–Liquid Extraction Method for Determination of 6 Azo-Dyes in Chilli Products by High-Performance Liquid Chromatography. <i>Food Chem.</i> 2011 , <i>126</i> (3), 1324-1329. |
| (Longworth, 1966) | Longworth, J. W.; Rahn, R. O.; Shulman, R. G., Luminescence of Pyrimidines, Purines, Nucleosides, and Nucleotides at 77°K. The Effect of Ionization and Tautomerization. <i>Journal of Chemical Physics</i> 1966 , <i>45</i> (8), 2930-2939. |
| (López Arbeloa, 1989) | López Arbeloa, F.; Ruiz Ojeda, P.; López Arbeloa, I., Fluorescence Self-Quenching of the Molecular Forms of Rhodamine B in Aqueous and Ethanolic Solutions. <i>J. Lumin.</i> 1989 , <i>44</i> (1-2), 105-112. |
| (López-de-Luzuriaga, 2015) | López-de-Luzuriaga, J. M.; Manso, E.; Monge, M.; Olmos, M. E.; Rodriguez-Castillo, M.; Sampedro, D., The Effect of Gold(I) Coordination on the Dual Fluorescence of 4-(Dimethylamino)pyridine. <i>Dalton Trans.</i> 2015 , <i>44</i> (24), 11029-11039. |
| (Lougnot, 1985) | Lougnot, D. J.; Jacques, P.; Fouassier, J. P.; Casal, H. L.; Kim-Thuan, N.; Scaiano, J. C., New Functionalized Water-Soluble Benzophenones: a Laser Flash Photolysis Study. <i>Can. J. Chem.</i> 1985 , <i>63</i> (11), 3001-3006. |
| (Luo, 2005) | Luo, Y.-H.; Huang, J.; Ichinose, I., Bundle-like Assemblies of Cadmium Hydroxide Nanostrands and Anionic Dyes. <i>Journal of the American Chemical Society</i> 2005 , <i>127</i> (23), 8296-8297. |
| (Lyons, 1978) | Lyons, A. L., Jr.; Turro, N. J., Photophysics of Phenylcyclopropanes, Styrenes, and Benzocycloalkadienes. <i>Journal of the American Chemical Society</i> 1978 , <i>100</i> (10), 3177-3181. |
| (Ma, 2002) | Ma, L.; White, P. S.; Lin, W., Well-Defined Enantiopure 1,1'-Binaphthyl-Based Oligomers: Synthesis, Structure, Photophysical Properties, and Chiral Sensing. <i>J Org Chem</i> 2002 , <i>67</i> (22), 7577-7586. |
| (Magde, 1979) | Magde, D.; Brannon, J. H.; Cremers, T. L.; Olmsted, J., III, Absolute Luminescence Yield of Cresyl Violet. A Standard for the Red. <i>Journal of Physical Chemistry</i> 1979 , <i>83</i> (6), 696-699. |
| (Magde, 1999) | Magde, D.; Rojas, G. E.; Seybold, P. G., Solvent Dependence of the Fluorescence Lifetimes of Xanthene Dyes. <i>Photochemistry and Photobiology</i> 1999 , <i>70</i> (5), 737-744. |
| (Magde, 1974) | Magde, D.; Windsor, M. W., Picosecond Flash Photolysis and Spectroscopy: 3,3'-Diethyloxadicarbocyanine Iodide (DODCI). <i>Chem Phys Lett</i> 1974 , <i>27</i> (1), 31-36. |
| (Mailhot, 2002) | Mailhot, G.; Sarakha, M.; Lavedrine, B.; Cáceres, J.; Malato, S., Fe(III)-Solar Light Induced Degradation of Diethyl Phthalate (DEP) in Aqueous Solutions. <i>Chemosphere</i> 2002 , <i>49</i> (6), 525-532. |
| (Majumder, 1991) | Majumder, P. L.; Sen, R. C., Bulbophyllanthrone, a Phenanthraquinone from <i>Bulbophyllum odoratissimum</i> . <i>Phytochemistry</i> 1991 , <i>30</i> (6), 2092-2094. |
| (Manoharan, 1987) | Manoharan, R.; Dogra, S. K., Spectral Characteristics of Phenylenediamines and Their Various Protonated Species. <i>Bulletin of the Chemical Society of Japan</i> 1987 , <i>60</i> (12), 4409-4415. |
| (Manoharan, | Manoharan, R.; Dogra, S. K., Acidity Constants in the Excited States: Absence of an Excited-State Prototropic Equilibrium for |

| | |
|----------------------|--|
| (1988) | the Monocation–Neutral Pair of 2,3-Diaminonaphthalene. <i>Journal of Physical Chemistry</i> 1988 , 92 (18), 5282-5287. |
| (Marchioni, 2005) | Marchioni, F.; Juris, A.; Lobert, M.; Seelbach, U. P.; Kahlert, B.; Klärner, F.-G., Luminescent Host–Guest Complexes Involving Molecular Clips and Tweezers and Tetracyanobenzene. <i>New J. Chem.</i> 2005 , 29 (6), 780-784. |
| (Margulies, 1979) | Margulies, L.; Stockburger, M., Spectroscopic Studies on Model Compounds of the Phytochrome Chromophore. Protonation and Deprotonation of Biliverdin Dimethyl Ester. <i>Journal of the American Chemical Society</i> 1979 , 101 (3), 743-744. |
| (Mariella, 1952) | Mariella, R. P.; Raube, R. R., Ultraviolet Absorption Spectra of Alicyclic Compounds. III. Phenyl Cycloalkyl and Styryl Cycloalkyl Ketones. <i>Journal of the American Chemical Society</i> 1952 , 74 (2), 521-524. |
| (Martin, 1975) | Martin, M. M., Hydrogen Bond Effects on Radiationless Electronic Transitions in Xanthene Dyes. <i>Chem Phys Lett</i> 1975 , 35 (1), 105-111. |
| (Martin, 1978) | Martin, R.; Clarke, G. A., Fluorescence of Benzoic Acid in Aqueous Acidic Media. <i>Journal of Physical Chemistry</i> 1978 , 82 (1), 81-86. |
| (Maruthamuthu, 1989) | Maruthamuthu, M.; Subramanian, E., Spectral Studies on the Cooperative Binding Mechanism of Evans Blue to Poly(<i>N</i> -vinyl-2-pyrrolidone). <i>Bulletin of the Chemical Society of Japan</i> 1989 , 62 (1), 295-303. |
| (Maruyama, 1989) | Maruyama, K.; Imahori, H.; Nakagawa, K.; Tanaka, N., Strongly Deformed TCNQ Derivatives: Syntheses and Properties of 7,12-Bis(dicyanomethylene)-7,12-dihydrobenz[<i>a</i>]-anthracene (BDCNBA) Derivatives. <i>Bulletin of the Chemical Society of Japan</i> 1989 , 62 (5), 1626-1634. |
| (Maslov, 2003) | Maslov, V. V.; Gorobets, N. Y.; Borisov, A. V.; Nikitchenko, V. M., New Series of Dyes for Flashlamp-Excited Lasers. <i>J. Appl. Spectrosc.</i> 2003 , 70 (5), 794-799. |
| (Mataga, 1956) | Mataga, N.; Kaifu, Y.; Koizumi, M., On the Base Strength of Some Nitrogen Heterocycles in the Excited State. <i>Bulletin of the Chemical Society of Japan</i> 1956 , 29 (3), 373-379. |
| (Matsui, 2003) | Matsui, M.; Higeta, T.; Kimura, M.; Funabiki, K.; Nakaya, K.-i., Chiral Fluorescent Labeling Reagent Derived from Rhodamine B for Flurbiprofens. <i>Bulletin of the Chemical Society of Japan</i> 2003 , 76 (7), 1405-1408. |
| (Matsuo, 1972) | Matsuo, T.; Shosenji, H., A Study on the Nature of the Electronic Absorption Bands of Formylpyrroles and Acetylpyrroles. <i>Bulletin of the Chemical Society of Japan</i> 1972 , 45 (5), 1349-1353. |
| (Matsuoka, 1991) | Matsuoka, S.; Fujii, H.; Yamada, T.; Pac, C.; Ishida, A.; Takamuku, S.; Kusaba, M.; Nakashima, N.; Yanagida, S.; Hashimoto, K.; Sakata, T., Photocatalysis of Oligo(<i>p</i> -phenylenes). Photoreductive Production of Hydrogen and Ethanol in Aqueous Triethylamine. <i>Journal of Physical Chemistry</i> 1991 , 95 (15), 5802-5808. |
| (Matsushita, 1986) | Matsushita, Y.; Takahashi, M.; Moriguchi, I., Binding of Fluorescent 7-Amino-4-nitrobenzoxadiazole Derivatives to Bovine Serum Albumin. <i>Chem. Pharm. Bull.</i> 1986 , 34 (1), 333-339. |
| (Maurino, 2011) | Maurino, V.; Bedini, A.; Borghesi, D.; Vione, D.; Minero, C., Phenol Transformation Photosensitised by Quinoid Compounds. <i>Phys. Chem. Chem. Phys.</i> 2011 , 13 (23), 11213-11221. |
| (McHedlov-Petrosyan, | McHedlov-Petrosyan, N. O.; Kukhtik, V. I.; Bezugliy, V. D., Dissociation, Tautomerism and Electroreduction of Xanthene and Sulfonephthalein Dyes in <i>N,N</i> -Dimethylformamide and Other Solvents. <i>J. Phys. Org. Chem.</i> 2003 , 16 (7), 380-397. |

| | |
|----------------------------|---|
| 2003) | |
| (McHedlov-Petrosyan, 2006) | McHedlov-Petrosyan, N. O.; Kukhtik, V. I.; Egorova, S. I., Protolytic Equilibria of Fluorescein Halo Derivatives in Aqueous-Organic Systems. <i>Russ. J. Gen. Chem.</i> 2006 , 76 (10), 1607-1617. |
| (Meddeb-Limem, 2005) | Meddeb-Limem, S.; Malezieux, B.; Herson, P.; Besbes-Hentati, S.; Said, H.; Blais, J.-C.; Bouvet, M., The First Calixarenequinhydron: Syntheses, Self-Organized Films and Solvatochromism. <i>J. Phys. Org. Chem.</i> 2005 , 18 (12), 1176-1182. |
| (Medvedeva, 1988) | Medvedeva, A. S.; Margorskaya, O. I.; Kalikhman, I. D.; Golovanova, N. I.; Shergina, N. I.; Vyazankin, N. S., Substituent Effects on the ^{13}C and ^{17}O NMR, IR, and UV Spectral Parameters for Propynals. <i>B. Acad. Sci. USSR Chem. Sci.</i> 1988 , 37 (2), 247-249. |
| (Meech, 1983) | Meech, S. R.; Phillips, D., Photophysics of Some Common Fluorescence Standards. <i>J. Photochem.</i> 1983 , 23 (3), 193-217. |
| (Melhuish, 1964) | Melhuish, W. H., Measurement of Quantum Efficiencies of Fluorescence and Phosphorescence and Some Suggested Luminescence Standards. <i>J. Opt. Soc. Am.</i> 1964 , 54 (2), 183-186. |
| (Mert-Balci, 2013) | Mert-Balci, F.; Imrich, H.-G.; Conrad, J.; Beifuss, U., Influence of Guanidinium Salts and Other Ionic Liquids on the Three-Component Aza-Diels-Alder Reaction. <i>Helv. Chim. Acta</i> 2013 , 96 (9), 1681-1692. |
| (Meyer, 1973) | Meyer, A. Y.; Goldblum, A., Planar and Nonplanar Unsaturation - Preparation, Properties and Molecular-Orbital Characterization of Some Fluoro-Derivatives of Anthracene and Anthraquinone. <i>Israel J. Chem.</i> 1973 , 11 (6), 791-804. |
| (Meyer, 1990) | Meyer, M.; Mialocq, J.-C.; Perly, B., Photoinduced Intramolecular Charge Transfer and Trans-Cis Isomerization of the DCM Styrene Dye. Picosecond and Nanosecond Laser Spectroscopy, High-Performance Liquid Chromatography, and Nuclear Magnetic Resonance Studies. <i>Journal of Physical Chemistry</i> 1990 , 94 (1), 98-104. |
| (Miliani, 1998) | Miliani, C.; Romani, A.; Favaro, G., A Spectrophotometric and Fluorimetric Study of Some Anthraquinoid and Indigoid Colorants Used in Artistic Paintings. <i>Spectrochim. Acta A</i> 1998 , 54 (4), 581-588. |
| (Miliani, 2000) | Miliani, C.; Romani, A.; Favaro, G., Acidichromic Effects in 1,2-Di- and 1,2,4-Trihydroxyanthraquinones. A Spectrophotometric and Fluorimetric Study. <i>J. Phys. Org. Chem.</i> 2000 , 13 (3), 141-150. |
| (Miller, 1952) | Miller, J. R.; Dorrough, G. D., Pyridinate Complexes of Some Metallo-derivatives of Tetraphenylporphine and Tetraphenylchlorin. <i>Journal of the American Chemical Society</i> 1952 , 74 (16), 3977-3981. |
| (Miller, 1986) | Miller, J. S.; Krusic, P. J.; Dixon, D. A.; Reiff, W. M.; Zhang, J. H.; Anderson, E. C.; Epstein, A. J., Radical Ion Salts of 2,3-Dichloro-5,6-dicyanobenzoquinone and Metallocenes. A Reexamination of Their Magnetic and Spectroscopic Properties. <i>Journal of the American Chemical Society</i> 1986 , 108 (15), 4459-4466. |
| (Miwa, 1963) | Miwa, T.; Koizumi, M., The Quenching Action of Pyridine and Quinoline on the Fluorescence of Naphthalene Derivatives. <i>Bulletin of the Chemical Society of Japan</i> 1963 , 36 (12), 1619-1629. |
| (Mohanty, 2013) | Mohanty, J.; Barooah, N.; Dhamodharan, V.; Harikrishna, S.; Pradeepkumar, P. I.; Bhasikuttan, A. C., Thioflavin T as an Efficient Inducer and Selective Fluorescent Sensor for the Human Telomeric G-Quadruplex DNA. <i>Journal of the American</i> |

| | |
|-------------------|---|
| | <i>Chemical Society</i> 2013 , <i>135</i> (1), 367-376. |
| (Momoda, 2015) | Momoda, J.; Izumi, S.; Yokoyama, Y., Substituent Effects on the Photochromic Properties of 3,3-Diphenylspiro[benzofluorenopyran-cyclopentaphenanthrene]s. <i>Dyes Pigments</i> 2015 , <i>119</i> , 95-107. |
| (Mondal, 2016) | Mondal, P.; Rath, S. P., Efficient Host-Guest Complexation of a Bisporphyrin Host with Electron Deficient Guests: Synthesis, Structure, and Photoinduced Electron Transfer. <i>Israel J. Chem.</i> 2016 , <i>56</i> (2-3), 144-155. |
| (Morgan, 1958) | Morgan, K. J., The Alkylation of Mercaptobenzothiazole. <i>J Chem Soc</i> 1958 , (Feb), 854-858. |
| (Mukai, 2009) | Mukai, K.; Ouchi, A.; Mitarai, A.; Ohara, K.; Matsuoka, C., Formation and Decay Dynamics of Vitamin E Radical in the Antioxidant Reaction of Vitamin E. <i>Bulletin of the Chemical Society of Japan</i> 2009 , <i>82</i> (4), 494-503. |
| (Mukherjee, 2016) | Mukherjee, P.; Rafiq, S.; Sen, P., Dual Relaxation Channel in Thioflavin-T: An Ultrafast Spectroscopic Study. <i>J. Photoch. Photobio. A</i> 2016 , <i>328</i> , 136-147. |
| (Mukherjee, 1987) | Mukherjee, S., Ultraviolet Studies and Fluorescence Quenching of Some Aromatic Primary Amines. <i>Bulletin of the Chemical Society of Japan</i> 1987 , <i>60</i> (3), 1119-1123. |
| (Mukherjee, 1998) | Mukherjee, S.; Bera, S. C., Low Temperature Laser Flash Photolysis and Spectral Studies of Methyl Red. <i>J. Chem. Soc. Faraday Trans.</i> 1998 , <i>94</i> (1), 67-71. |
| (Müller, 2006) | Müller, A. M.; Avlasevich, Y. S.; Müllen, K.; Bardeen, C. J., Evidence for Exciton Fission and Fusion in a Covalently Linked Tetracene Dimer. <i>Chem Phys Lett</i> 2006 , <i>421</i> (4-6), 518-522. |
| (Müller, 1975) | Müller, W.; Gautier, F., Interactions of Heteroaromatic Compounds with Nucleic Acids: A · T-Specific Non-Intercalating DNA Ligands. <i>Eur. J. Biochem.</i> 1975 , <i>54</i> (2), 385-394. |
| (Muthuramu, 1982) | Muthuramu, K.; Ramamurthy, V., Photodimerization of Coumarin in Aqueous and Micellar Media. <i>J Org Chem</i> 1982 , <i>47</i> (20), 3976-3979. |
| (Myslinski, 1990) | Myslinski, P.; Wieczorek, D., Differential Anisotropy of Polarizability Measured by Picosecond Transient Dichroism and Birefringence. <i>Journal of Chemical Physics</i> 1990 , <i>92</i> (2), 969-977. |
| (Najafi, 2015) | Najafi, M.; Abbasi, A.; Masteri-Farahani, M.; Janczak, J., Two Novel Octamolybdate Nanoclusters as Catalysts for Dye Degradation by Air Under Room Conditions. <i>Dalton Trans.</i> 2015 , <i>44</i> (13), 6089-6097. |
| (Nakajima, 1980) | Nakajima, S.; Kawazu, K., Coumarin and Euponin, Two Inhibitors for Insect Development from Leaves of <i>Eupatorium japonicum</i> . <i>Agr. Biol. Chem. Tokyo</i> 1980 , <i>44</i> (12), 2893-2899. |
| (Nakayama, 1990) | Nakayama, T. A.; Khorana, H. G., Synthesis of a New Photoactivatable Analogue of 11-cis-Retinal. <i>J Org Chem</i> 1990 , <i>55</i> (16), 4953-4956. |
| (Nakayama, 1965) | Nakayama, Y.; Ichikawa, Y.; Matsuo, T., A Study of the Charge-Transfer Complexes. I. The Interaction of Pyromellitic Dianhydride with Polymethylbenzenes. <i>Bulletin of the Chemical Society of Japan</i> 1965 , <i>38</i> (10), 1674-1683. |
| (Nani, 2015) | Nani, R. R.; Shaum, J. B.; Gorka, A. P.; Schnermann, M. J., Electrophile-Integrating Smiles Rearrangement Provides Previously Inaccessible C4'-O-Alkyl Heptamethine Cyanine Fluorophores. <i>Org. Lett.</i> 2015 , <i>17</i> (2), 302-305. |
| (Nanni, 1980) | Nanni, E. J., Jr.; Stallings, M. D.; Sawyer, D. T., Does Superoxide Ion Oxidize Catechol, α -Tocopherol, and Ascorbic Acid by |

| | |
|---------------------|---|
| | Direct Electron Transfer? <i>Journal of the American Chemical Society</i> 1980 , <i>102</i> (13), 4481-4485. |
| (Nath, 1998) | Nath, S.; Pal, H.; Palit, D. K.; Sapre, A. V.; Mittal, J. P., Steady-State and Time-Resolved Studies on Photoinduced Interaction of Phenothiazine and 10-Methylphenothiazine with Chloroalkanes. <i>J. Phys. Chem. A</i> 1998 , <i>102</i> (29), 5822-5830. |
| (Neumann, 2011) | Neumann, M.; Füldner, S.; König, B.; Zeitler, K., Metal-Free, Cooperative Asymmetric Organophotoredox Catalysis with Visible Light. <i>Angew Chem. Int. Ed. Engl.</i> 2011 , <i>50</i> (4), 951-954. |
| (Ni, 2010) | Ni, W.; Chen, H.; Su, J.; Sun, Z.; Wang, J.; Wu, H., Effects of Dyes, Gold Nanocrystals, pH, and Metal Ions on Plasmonic and Molecular Resonance Coupling. <i>Journal of the American Chemical Society</i> 2010 , <i>132</i> (13), 4806-4814. |
| (Nickel, 1997) | Nickel, U.; Halbig, P.; Gliemann, H.; Schneider, S., Charge Transfer Like Complexes of Organic Dyes Adsorbed at Colloidal Silver studied by Cyclic Voltammetry, UV-vis and SERS Spectroscopy. <i>Ber. Bunsenges. Phys. Chem.</i> 1997 , <i>101</i> (1), 41-49. |
| (Nie, 1997) | Nie, M. Y.; Wang, Y.; Li, H. L., Electrochemical and Spectral Properties of Phenylhydrazine in the Presence of β -Cyclodextrin. <i>Polish J. Chem.</i> 1997 , <i>71</i> (6), 816-822. |
| (Nijegorodov, 2001) | Nijegorodov, N.; Mabbs, R., The Influence of Molecular Symmetry and Topological Factors on the Internal Heavy Atom Effect in Aromatic and Heteroaromatic Compounds. <i>Spectrochim. Acta A</i> 2001 , <i>57</i> (7), 1449-1462. |
| (Nijegorodov, 2002) | Nijegorodov, N.; Mabbs, R., Luminescence-Laser Classification of Heteroaromatic and Aromatic Compounds. <i>Spectrochim. Acta A</i> 2002 , <i>58</i> (2), 349-361. |
| (Nijegorodov, 2000) | Nijegorodov, N. I.; Downey, W. S.; Danailov, M. B., Systematic Investigation of Absorption, Fluorescence and Laser Properties of Some <i>p</i> - and <i>m</i> -Oligophenylenes. <i>Spectrochim. Acta A</i> 2000 , <i>56</i> (4), 783-795. |
| (Nishimura, 2013) | Nishimura, Y.; Yata, K.; Nomoto, T.; Ogiwara, T.; Watanabe, K.; Shintou, T.; Tsuboyama, A.; Okano, M.; Umemoto, N.; Zhang, Z.; Kawabata, M.; Zhang, B.; Kuroyanagi, J.; Shimada, Y.; Miyazaki, T.; Imamura, T.; Tomimoto, H.; Tanaka, T., Identification of a Novel Indoline Derivative for in Vivo Fluorescent Imaging of Blood-Brain Barrier Disruption in Animal Models. <i>ACS Chem. Neurosci.</i> 2013 , <i>4</i> (8), 1183-1193. |
| (Nishioku, 2001) | Nishioku, Y.; Ohara, K.; Mukai, K.; Nagaoka, S.-i., Time-Resolved EPR Investigation of the Photo-initiated Intramolecular Antioxidant Reaction of Vitamin K—Vitamin E Linked Molecule. <i>J. Phys. Chem. B</i> 2001 , <i>105</i> (21), 5032-5038. |
| (Noda, 1980) | Noda, S.; Doba, T.; Mizuta, T.; Miura, M.; Yoshida, H., Free Radical Intermediates in the Photoreduction of <i>p</i> -Benzoquinone in Ethanol Solution. <i>J. Chem. Soc. Perkin Trans. 2</i> 1980 , (1), 61-64. |
| (Nogami, 1974) | Nogami, T.; Hishida, T.; Shirota, Y.; Mikawa, H.; Nagakura, S., Charge-transfer Interaction and Chemical Reaction. V. Reaction of <i>o</i> -Phenylenediamine with Chloranil. <i>Bulletin of the Chemical Society of Japan</i> 1974 , <i>47</i> (9), 2103-2106. |
| (Nunn, 1952) | Nunn, A. J.; Schofield, K., Experiments on the Preparation of Certain Derivatives of 2- and 4-Benzylpyridine. <i>J. Chem. Soc.</i> 1952 , (Feb), 583-589. |
| (Nyman, 2004) | Nyman, E. S.; Hynninen, P. H., Research Advances in the Use of Tetrapyrrolic Photosensitizers for Photodynamic Therapy. <i>J. Photoch. Photobio. B</i> 2004 , <i>73</i> (1-2), 1-28. |
| (O'Brien, 1974) | O'Brien, D. F.; Kelly, T. M.; Costa, L. F., Excited-State Properties of Some Carbocyanine Dyes and Energy-Transfer Mechanism of Spectral Sensitization. <i>Photogr. Sci. Eng.</i> 1974 , <i>18</i> (1), 76-84. |

| | |
|---------------------|--|
| (O'Reilly, 2005) | O'Reilly, J. P.; Butts, C. P.; I'Anson, I. A.; Shaw, A. M., Interfacial pH at an Isolated Silica—Water Surface. <i>Journal of the American Chemical Society</i> 2005 , 127 (6), 1632-1633. |
| (Oakes, 1998) | Oakes, J.; Gratton, P., Kinetic Investigations of the Oxidation of Methyl Orange and Substituted Arylazonaphthol Dyes by Peracids in Aqueous Solution. <i>J. Chem. Soc. Perkin Trans. 2</i> 1998 , (12), 2563-2568. |
| (Oakes, 1998) | Oakes, J.; Gratton, P.; Clark, R.; Wilkes, I., Kinetic Investigation of the Oxidation of Substituted Arylazonaphthol Dyes by Hydrogen Peroxide in Alkaline Solution. <i>J. Chem. Soc. Perkin Trans. 2</i> 1998 , (12), 2569-2575. |
| (Ochiai, 1960) | Ochiai, E.; Kaneko, C.; Shimada, I.; Murata, Y.; Kosuge, T.; Miyashita, S.; Kawasaki, C., 3-Hydroxyderivaten bei der N-Oxydierung der Chinolinderivate mittels Wasserstoffperoxyds in Eisessig-Lösung. <i>Chem. Pharm. Bull.</i> 1960 , 8 (2), 126-130. |
| (Off, 2005) | Off, M. K.; Steindal, A. E.; Porojnicu, A. C.; Juzeniene, A.; Vorobey, A.; Johnsson, A.; Moan, J., Ultraviolet Photodegradation of Folic Acid. <i>J Photoch Photobio B</i> 2005 , 80 (1), 47-55. |
| (Ogata, 1980) | Ogata, Y.; Tomizawa, K.; Maeda, H., Kinetics of the Tungstate-catalyzed H_2O_2 Oxidation of Amines in Aqueous Methanol. Acidity Effect. <i>Bulletin of the Chemical Society of Japan</i> 1980 , 53 (1), 285-286. |
| (Ohno, 1985) | Ohno, O.; Kaizu, Y.; Kobayashi, H., Luminescence of Some Metalloporphins Including the Complexes of the IIIb Metal Group. <i>Journal of Chemical Physics</i> 1985 , 82 (4), 1779-1787. |
| (Ohta, 1985) | Ohta, N.; Kevan, L., Electron Spin Resonance Study of Chlorophyll <i>a</i> Cation Radical in Photoirradiated Frozen Vesicle Solutions with or without Electron Scavengers. <i>Journal of Physical Chemistry</i> 1985 , 89 (14), 3070-3076. |
| (Okamura, 1994) | Okamura, N.; Haraguchi, H.; Hashimoto, K.; Yagi, A., Flavonoids in <i>Rosmarinus officinalis</i> Leaves. <i>Phytochemistry</i> 1994 , 37 (5), 1463-1466. |
| (Olmsted, 1979) | Olmsted, J., III, Calorimetric Determinations of Absolute Fluorescence Quantum Yields. <i>Journal of Physical Chemistry</i> 1979 , 83 (20), 2581-2584. |
| (Olmsted, 1961) | Olmsted, M. P.; Zirkle, C. L.; Craig, P. N.; Pavloff, A. M.; Lafferty, J. J., Analogs of Phenothiazines. II. Phenoxazine and Phenoselenazine Analogs of Phenothiazine Drugs. <i>J Org Chem</i> 1961 , 26 (6), 1901-1907. |
| (Ortmann, 1986) | Ortmann, W.; Winnig, B.; Fanghänel, E., Untersuchungen zum Mizelleinfluß auf die fotochemischen Primärprozesse von Erythrosin. <i>J. Prakt. Chem.</i> 1986 , 328 (1), 81-88. |
| (Osadchii, 2011) | Osadchii, S. A.; Shubin, V. G.; Kozlova, L. P.; Varlamenko, V. S.; Filipenko, M. L.; Boyarskikh, U. A., Improvement of Ways to Obtain Ethidium Bromide and Synthesis of Ethidium Ethyl Sulfate, a New Fluorescent Dye for Detection of Nucleic Acids. <i>Russ. J. Appl. Chem.</i> 2011 , 84 (9), 1541-1548. |
| (Oshima, 1982) | Oshima, T.; Nagai, T., Kinetic Solvent Effects in the Decomposition of Diphenyldiazomethane with Chloranil and 2,5-Dichloro- <i>p</i> -benzoquinone. <i>Bulletin of the Chemical Society of Japan</i> 1982 , 55 (2), 555-560. |
| (Osipova, 1985) | Osipova, T. F.; Koldobskii, G. I.; Ostrovskii, V. A.; Myznikov, Y. Y., Tetrazoles. 20. Tetrazolium Salts in Interphase Catalysis. <i>Khim. Geterotsikl.</i> 1985 , (6), 841-845. |
| (Ostrovskaya, 2015) | Ostrovskaya, V. M.; Shpigun, L. K.; Shushenachev, Y. V.; Buryak, A. K.; Peregovodov, A. S., Synthesis and Properties of Sulfo-Containing Tetrazolium Betaines and Their Formazan Precursors. <i>Russ. J. Gen. Chem.</i> 2015 , 85 (9), 2048-2057. |

| | |
|------------------|---|
| (Osugi, 1967) | Osugi, J.; Sasaki, M.; Onishi, I., Pressure Effect on the Rate of Rearrangement of <i>o</i> , <i>o'</i> Hydrazotoluene. <i>Nippon Kagaku Zasshi</i> 1967 , 88 (5), 512-516. |
| (Otani, 2008) | Otani, T.; Tsubogo, T.; Furukawa, N.; Saito, T.; Uchida, K.; Iwama, K.; Kanai, Y.; Yajima, H., Synthesis of New UV-B Light Absorbents: (Acetylphenyl)glycosides with Antioxidant Activities. <i>Bioorg. Med. Chem. Lett.</i> 2008 , 18 (12), 3582-3584. |
| (Owens, 2015) | Owens, E. A.; Hyun, H.; Tawney, J. G.; Choi, H. S.; Henary, M., Correlating Molecular Character of NIR Imaging Agents with Tissue-Specific Uptake. <i>J. Med. Chem.</i> 2015 , 58 (10), 4348-4356. |
| (Oyaizu, 2002) | Oyaizu, K.; Mikami, T.; Mitsuhashi, F.; Tsuchida, E., Synthetic Routes to Polyheteroacenes: Characterization of a Heterocyclic Ladder Polymer Containing Phenoxathiinium-type Building Blocks. <i>Macromolecules</i> 2002 , 35 (1), 67-78. |
| (Pál, 2015) | Pál, D.; Móczár, I.; Kormos, A.; Baranyai, P.; Óvári, L.; Huszthy, P., Synthesis and Enantiomeric Recognition Studies of Optically Active Acridone Bis(urea) and Bis(thiourea) Derivatives. <i>Tetrahedron-Asymmetr.</i> 2015 , 26 (23), 1335-1340. |
| (Pal, 1996) | Pal, P.; Zeng, H.; Durocher, G.; Girard, D.; Li, T.; Gupta, A. K.; Giasson, R.; Blanchard, L.; Gaboury, L.; Balassy, A.; Turmel, C.; Laperrière, A.; Villeneuve, L., Phototoxicity of Some Bromine-Substituted Rhodamine Dyes: Synthesis, Photophysical Properties and Application as Photosensitizers. <i>Photochemistry and Photobiology</i> 1996 , 63 (2), 161-168. |
| (Pandey, 1991) | Pandey, R. K.; Bellnier, D. A.; Smith, K. M.; Dougherty, T. J., Chlorin and Porphyrin Derivatives as Potential Photosensitizers in Photodynamic Therapy. <i>Photochemistry and Photobiology</i> 1991 , 53 (1), 65-72. |
| (Pant, 1990) | Pant, D.; Tripathi, U. C.; Joshi, G. C.; Tripathi, H. B.; Pant, D. D., Photophysics of Doubly-Charged Quinine: Steady State and Time-Dependent Fluorescence. <i>J. Photoch. Photobio. A</i> 1990 , 51 (3), 313-325. |
| (Paolesse, 2001) | Paolesse, R.; Nardis, S.; Sagone, F.; Khoury, R. G., Synthesis and Functionalization of <i>meso</i> -Aryl-Substituted Corroles. <i>J Org Chem</i> 2001 , 66 (2), 550-556. |
| (Paraskar, 2008) | Paraskar, A. S.; Reddy, A. R.; Patra, A.; Wijsboom, Y. H.; Gidron, O.; Shimon, L. J. W.; Leitus, G.; Bendikov, M., Rubrenes: Planar and Twisted. <i>Chemistry</i> 2008 , 14 (34), 10639-10647. |
| (Park, 2015) | Park, K.-s.; Seo, Y.; Kim, M. K.; Kim, K.; Kim, Y. K.; Choo, H.; Chong, Y., A Curcumin-Based Molecular Probe for Near-Infrared Fluorescence Imaging of Tau Fibrils in Alzheimer's Disease. <i>Org. Biomol. Chem.</i> 2015 , 13 (46), 11194-11199. |
| (Park, 2009) | Park, S.-Y.; Kubota, Y.; Funabiki, K.; Shiro, M.; Matsui, M., Near-Infrared Solid-State Fluorescent Naphthooxazine Dyes Attached with Bulky Dibutylamino and Perfluoroalkenoxy Groups at 6-and 9-Positions. <i>Tetrahedron Letters</i> 2009 , 50 (10), 1131-1135. |
| (Párkányi, 1993) | Párkányi, C.; Boniface, C.; Aaron, J. J.; Maafi, M., A Quantitative Study of the Effect of Solvent on the Electronic Absorption and Fluorescence Spectra of Substituted Phenothiazines: Evaluation of Their Ground and Excited Singlet-State Dipole Moments. <i>Spectrochim. Acta A</i> 1993 , 49 (12), 1715-1725. |
| (Parshall, 1962) | Parshall, G. W., Synthesis of Polyfluorobenzenes. <i>J Org Chem</i> 1962 , 27 (12), 4649-4651. |
| (Pathrose, 2014) | Pathrose, B.; Nampoori, V. P.; Radhakrishnan, P.; Mujeeb, A., Measurement of Absolute Fluorescence Quantum Yield of Basic Fuchsin Solution Using a Dual-Beam Thermal Lens Technique. <i>J. Fluoresc.</i> 2014 , 24 (3), 895-898. |
| (Patil, 2015) | Patil, S. S.; Muddapur, G. V.; Patil, N. R.; Melavanki, R. M.; Kusanur, R. A., Fluorescence Characteristics of Aryl Boronic |

| | |
|-------------------------|--|
| | Acid Derivate (PBA). <i>Spectrochim. Acta A</i> 2015 , <i>138</i> , 85-91. |
| (Paul, 2013) | Paul, P.; Suresh Kumar, G., Spectroscopic Studies on the Binding Interaction of Phenothiazinium Dyes Toluidine Blue O, Azure A and Azure B to DNA. <i>Spectrochim. Acta A</i> 2013 , <i>107</i> , 303-310. |
| (Pavlopoulos, 1974) | Pavlopoulos, T. G.; Hammond, P. R., Spectroscopic Studies of Some Laser Dyes. <i>Journal of the American Chemical Society</i> 1974 , <i>96</i> (21), 6568-6579. |
| (Pellosi, 2013) | Pellosi, D. S.; Estevão, B. M.; Freitas, C. F.; Tsubone, T. M.; Caetano, W.; Hioka, N., Photophysical Properties of Erythrosin Ester Derivatives in Ionic and Non-Ionic Micelles. <i>Dyes Pigments</i> 2013 , <i>99</i> (3), 705-712. |
| (Pelter, 2000) | Pelter, A.; Jones, D. E., The Preparation and Some Properties of Substituted Phenylene-Ethyneylene and Phenylenebuta-1,3-diynelene Polymers. <i>J. Chem. Soc. Perkin Trans. I</i> 2000 , (14), 2289-2294. |
| (Pennington, 1964) | Pennington, F. C.; Strain, H. H.; Katz, J. J.; Svec, W. A., Preparation and Properties of Pyrochlorophyll α , Methyl Pyrochlorophyllide α , Pyropheophytin α , and Methyl Pyropheophorbide α Derived from Chlorophyll by Decarbomethoxylation. <i>Journal of the American Chemical Society</i> 1964 , <i>86</i> (7), 1418-1426. |
| (Pentimalli, 1959) | Pentimalli, L., Researches on the Aromatic Azocompounds: The Oxidation of the 4-Dimethylamino-azobenzene. <i>Tetrahedron</i> 1959 , <i>5</i> (1), 27-37. |
| (Perel'son, 1973) | Perel'son, M. E.; Zvolinskii, V. P.; Kagan, G. I.; Sheinker, Y. N., Investigation of the Electronic Spectra of α -Pyrone Derivatives by the Parise-Parr-Pople Method in the Variable β Approximation. <i>Zh. Strukt. Khim.</i> 1973 , <i>14</i> (2), 246-254. |
| (Perichet, 1980) | Perichet, G.; Chapelon, R.; Pouyet, B., Emission and Intersystem Crossing Quantum Yields of Aniline Solutions: Photostationary State Diagram. <i>J. Photochem.</i> 1980 , <i>13</i> (1), 67-74. |
| (Petrier, 1979) | Petrier, C.; Dupuy, C.; Jardon, P.; Gautron, R., Studies on Tetrapyrrolic Pigments—I. Absorption and Fluorescence of Biliverdin Dimethyl Esters of the IX Series. <i>Photochemistry and Photobiology</i> 1979 , <i>29</i> (2), 389-392. |
| (Peychal-Heiling, 1971) | Peychal-Heiling, G.; Wilson, G. S., Electrochemical Studies of Tetraphenylporphrin, Tetraphenylchlorin, and Tetraphenylbacteriochlorin. <i>Anal. Chem.</i> 1971 , <i>43</i> (4), 550-556. |
| (Phillips, 1967) | Phillips, D., Fluorescence and Triplet State of Hexafluorobenzene. <i>Journal of Chemical Physics</i> 1967 , <i>46</i> (12), 4679-4689. |
| (Pietrzycki, 1981) | Pietrzycki, W.; Tomaszik, P.; Sucharda-Sobczyk, A., Monoexcited Singlet States and Conformation of Some Acylpyridines. <i>J. Mol. Struct.</i> 1981 , <i>73</i> (Apr), 49-61. |
| (Pintado-Alba, 2004) | Pintado-Alba, A.; de la Riva, H.; Nieuwhuyzen, M.; Bautista, D.; Raithby, P. R.; Sparkes, H. A.; Teat, S. J.; López-de-Luzuriaga, J. M.; Lagunas, M. C., Effects of Diphosphine Structure on Auophilicity and Luminescence in Au(I) Complexes. <i>Dalton Trans.</i> 2004 , (21), 3459-3467. |
| (Pisarenko, 1999) | Pisarenko, L. M., Autoxidation of Tetrachlorohydroquinone in Aqueous Media. <i>Russ Chem B+</i> 1999 , <i>48</i> (5), 881-886. |
| (Politi, 1986) | Politi, M. J.; Chaimovich, H., Water Activity in Reversed Sodium Bis(2-ethylhexyl) Sulfosuccinate Micelles. <i>Journal of Physical Chemistry</i> 1986 , <i>90</i> (2), 282-287. |
| (Politis, 1982) | Politis, T. G.; Drickamer, H. G., High Pressure Luminescence of Metalloporphyrins in Liquid Solution. <i>Journal of Chemical</i> |

| | |
|---------------------|--|
| | <i>Physics</i> 1982 , <i>76</i> (1), 285-291. |
| (Porcal, 2011) | Porcal, G. V.; Arbeloa, E. M.; Orallo, D. E.; Bertolotti, S. G.; Previtali, C. M., Photophysics of Safranine-O and Phenosafranine in Reverse Micelles of BHDC. <i>J. Photoch. Photobio. A</i> 2011 , <i>226</i> (1), 51-56. |
| (Prathapan, 2001) | Prathapan, S.; Yang, S. I.; Seth, J.; Miller, M. A.; Bocian, D. F.; Holten, D.; Lindsey, J. S., Synthesis and Excited-State Photodynamics of Perylene—Porphyrin Dyads. 1. Parallel Energy and Charge Transfer via a Diphenylethyne Linker. <i>J. Phys. Chem. B</i> 2001 , <i>105</i> (34), 8237-8248. |
| (Pratt, 1966) | Pratt, J. M.; Thorp, R. G., The Chemistry of Vitamin B ₁₂ . Part V. Class (b) Character of the Cobaltic Ion. <i>J. Chem. Soc. A</i> 1966 , (2), 187-191. |
| (Press, 1969) | Press, R. E.; Hardcastle, D., Some Physico-Chemical Properties of Ellagic Acid. <i>J. Appl. Chem.</i> 1969 , <i>19</i> (9), 247-251. |
| (Prezhdo, 1995) | Prezhdo, V.; Prezhdo, O.; Ovsiankina, E., Synthesis of 2-Chloroalkyl-1,4-naphthoquinones and Their Reactivity in the Formation of Autocomplexes. <i>Spectrochim. Acta A</i> 1995 , <i>51</i> (14), 2465-2472. |
| (Quina, 1976) | Quina, F. H.; Carroll, F. A., Radiative and Nonradiative-Transitions in Solution. First Excited Singlet State of Benzene and Its Methyl Derivatives. <i>Journal of the American Chemical Society</i> 1976 , <i>98</i> (1), 6-9. |
| (Raciszewski, 1966) | Raciszewski, Z., Maleic Anhydride–Hexamethylbenzene Mixtures in Methylcyclohexane Solution and in Solid State. Part I. Physical Properties. <i>J. Chem. Soc. B</i> 1966 , (12), 1142-1147. |
| (Rademacher, 1982) | Rademacher, A.; Märkle, S.; Langhals, H., Lösliche Perylen-Fluoreszenzfarbstoffe mit hoher Photostabilität. <i>Chemische Berichte</i> 1982 , <i>115</i> (8), 2927-2934. |
| (Raichenok, 2012) | Raichenok, T. F.; Litvinovskaya, R. P.; Zhabinskii, V. N.; Raiman, M. E.; Kurtikova, A. L.; Minin, P. S., Synthesis and Spectral and Luminescence Properties of New Conjugates of Brassinosteroids for Immunofluorescence Analysis. <i>Chem. Nat. Compd.</i> 2012 , <i>48</i> (2), 267-271. |
| (Raikar, 2006) | Raikar, U. S.; Renuka, C. G.; Nadaf, Y. F.; Mulimani, B. G.; Karguppikar, A. M.; Soudagar, M. K., Solvent Effects on the Absorption and Fluorescence Spectra of Coumarins 6 and 7 Molecules: Determination of Ground and Excited State Dipole Moment. <i>Spectrochim. Acta A</i> 2006 , <i>65</i> (3-4), 673-677. |
| (Rajendiran, 2008) | Rajendiran, N.; Balasubramanian, T., Intramolecular Charge Transfer Effects on 4-Hydroxy-3-methoxybenzaldehyde. <i>Spectrochim. Acta A</i> 2008 , <i>69</i> (3), 822-829. |
| (Rajendiran, 1995) | Rajendiran, N.; Swaminathan, M., Photoluminescence of 4,4'-Diaminobiphenyl. <i>Bulletin of the Chemical Society of Japan</i> 1995 , <i>68</i> (10), 2797-2802. |
| (Rajendiran, 1996) | Rajendiran, N.; Swaminathan, M., Luminescence Characteristics of 4,4'-Diaminodiphenyl Methane in Different Solvents and at Various pH. <i>Spectrochim. Acta A</i> 1996 , <i>52</i> (13), 1785-1792. |
| (Ramsey, 1970) | Ramsey, B. G., Electronic Transitions in Phenylboronic Acids. I. Substituent and Solvent Effects. <i>Journal of Physical Chemistry</i> 1970 , <i>74</i> (12), 2464-2469. |
| (Ray, 2015) | Ray, A.; Pal, H.; Bhattacharya, S., Photophysical Insights into Fullerene–Porphyrazine Supramolecular Interactions in Solution. <i>RSC Adv.</i> 2015 , <i>5</i> (36), 28497-28504. |

| | |
|--------------------|--|
| (Reiser, 1972) | Reiser, A.; Leyshon, L. J., Radiative and Nonradiative Transitions from First Excited Singlet State in Methyl Substituted Benzenes. <i>Journal of Chemical Physics</i> 1972 , <i>56</i> (2), 1011-1012. |
| (Reiser, 1972) | Reiser, A.; Saunders, D.; Mijovic, M. V.; Bogie, J.; Bright, A.; Leyshon, L. J., Fluorescence of Aromatic Benzoxazole Derivatives. <i>Journal of the American Chemical Society</i> 1972 , <i>94</i> (7), 2414-2421. |
| (Rentsch, 1984) | Rentsch, S.; Danielius, R.; Gadonas, R., Determination of Durabilities and of Transient Absorption Spectras of Polymethine Dyes by Spectroscopic Measurements in Picosecond-Range. <i>J. Inform. Rec. Mater.</i> 1984 , <i>12</i> (5), 319-328. |
| (Reynolds, 1975) | Reynolds, G. A.; Drexhage, K. H., New Coumarin Dyes with Rigidized Structure for Flashlamp-Pumped Dye Lasers. <i>Opt. Commun.</i> 1975 , <i>13</i> (3), 222-225. |
| (Reznik, 2000) | Reznik, V. S.; Akamsin, V. D.; Galyametdinova, I. V.; Chernova, A. V.; Shagidullin, R. R., Two-Fragment α -Adrenolytics: 2. Synthesis of Alkyl(phenyl)[ω -(<i>N</i> -phenylpiperazino)alkyl]phosphine Oxides. <i>Russ Chem B+</i> 2000 , <i>49</i> (3), 490-494. |
| (Richter, 2009) | Richter, I.; Warren, M. R.; Minari, J.; Elfeky, S. A.; Chen, W.; Mahon, M. F.; Raithby, P. R.; James, T. D.; Sakurai, K.; Teat, S. J.; Bull, S. D.; Fossey, J. S., Solid-State Structures and Solution Analyses of a Phenylpropylpyridine <i>N</i> -Oxide and an <i>N</i> -Methyl Phenylpropylpyridine. <i>Chem. Asian J.</i> 2009 , <i>4</i> (1), 194-198. |
| (Rihter, 1990) | Rihter, B. D.; Kenney, M. E.; Ford, W. E.; Rodgers, M. A. J., Synthesis and Photoproperties of Diamagnetic Octabutoxyphthalocyanines with Deep Red Optical Absorbency. <i>Journal of the American Chemical Society</i> 1990 , <i>112</i> (22), 8064-8070. |
| (Roberts, 2006) | Roberts, J. C.; Pincock, J. A., Methoxy-Substituted Stilbenes, Styrenes, and 1-Arylpropenes: Photophysical Properties and Photoadditions of Alcohols. <i>J Org Chem</i> 2006 , <i>71</i> (4), 1480-1492. |
| (Roberts, 2013) | Roberts, K. M.; Flahive, M. A.; House, J. E., Thermodynamics of Dissolution of Ferrocene in <i>n</i> -Octane, Methanol, and Acetonitrile. <i>Polyhedron</i> 2013 , <i>53</i> , 240-242. |
| (Rodriguez, 2010) | Rodriguez, M. E.; Diz, V. E.; Awruch, J.; Dicelio, L. E., Photophysics of Zinc (II) Phthalocyanine Polymer and Gel Formulation. <i>Photochemistry and Photobiology</i> 2010 , <i>86</i> (3), 513-519. |
| (Rogers, 2005) | Rogers, J. E.; Hall, B. C.; Hufnagle, D. C.; Slagle, J. E.; Ault, A. P.; McLean, D. G.; Fleitz, P. A.; Cooper, T. M., Effect of Platinum on the Photophysical Properties of a Series of Phenyl-Ethynyl Oligomers. <i>Journal of Chemical Physics</i> 2005 , <i>122</i> (21), 214708-1-214708-8. |
| (Romantseva, 1965) | Romantseva, G. I., Spectrophotometric Determination of Traces of Arylcarboxylic Acids in Terephthalic Acid. <i>J. Appl. Spectrosc.</i> 1965 , <i>2</i> (3), 269-272. |
| (Roth, 1974) | Roth, N. J. L.; Craig, A. C., Predicted Observable Fluorescent Lifetimes of Several Cyanines. <i>Journal of Physical Chemistry</i> 1974 , <i>78</i> (12), 1154-1155. |
| (Rücker, 1980) | Rücker, C.; Lang, D.; Sauer, J.; Friege, H.; Sustmann, R., Reaktivität substituierter 1,3-Butadiene in Diels-Alder-Reaktionen. <i>Chem. Ber-Recl.</i> 1980 , <i>113</i> (5), 1663-1690. |
| (Rudat, 2011) | Rudat, B.; Birtalan, E.; Vollrath, S. B. L.; Fritz, D.; Kölmel, D. K.; Nieger, M.; Schepers, U.; Müllen, K.; Eisler, H.-J.; Lemmer, U.; Bräse, S., Photophysical Properties of Fluorescently-Labeled Peptoids. <i>Eur. J. Med. Chem.</i> 2011 , <i>46</i> (9), 4457- |

| | |
|----------------------|---|
| | 4465. |
| (Rusakowicz, 1971) | Rusakowicz, R.; Byers, G. W.; Leermakers, P. A., Electronically Excited Aromatic Carbonyl Compounds in Hydrogen Bonding and Acidic Media. <i>Journal of the American Chemical Society</i> 1971 , <i>93</i> (13), 3263-3266. |
| (Sackett, 1987) | Sackett, D. L.; Wolff, J., Nile Red as a Polarity-Sensitive Fluorescent Probe of Hydrophobic Protein Surfaces. <i>Anal. Biochem.</i> 1987 , <i>167</i> (2), 228-234. |
| (Sahyun, 1988) | Sahyun, M. R. V., Total Luminescence Spectroscopy in a Reverse Micellar System. <i>Journal of Physical Chemistry</i> 1988 , <i>92</i> (21), 6028-6032. |
| (Sahyun, 1997) | Sahyun, M. R. V.; Serpone, N., Photophysics of Thiacyanocyanine Dyes: Relaxation Dynamics in a Homologous Series of Thiacyanocyanines. <i>J. Phys. Chem. A</i> 1997 , <i>101</i> (51), 9877-9883. |
| (Sakagami, 1995) | Sakagami, Y.; Sano, A.; Hara, O.; Mikawa, T.; Marumo, S., Cladosporol, β -1,3-Glucan Biosynthesis Inhibitor, Isolated from Fungus, <i>Cladosporium cladosporioides</i> . <i>Tetrahedron Letters</i> 1995 , <i>36</i> (9), 1469-1472. |
| (Saltiel, 1993) | Saltiel, J.; Waller, A. S.; Sears, D. F., The Temperature and Medium Dependencies of Cis-Stilbene Fluorescence - the Energetics for Twisting in the Lowest Excited Singlet-State. <i>Journal of the American Chemical Society</i> 1993 , <i>115</i> (6), 2453-2465. |
| (Saltiel, 1993) | Saltiel, J.; Waller, A. S.; Sears, D. F., Jr.; Garrett, C. Z., Fluorescence Quantum Yields of <i>trans</i> -Stilbene- <i>d</i> ₀ and - <i>d</i> ₂ in <i>n</i> -Hexane and <i>n</i> -Tetradecane. Medium and Deuterium Isotope Effects on Decay Processes. <i>Journal of Physical Chemistry</i> 1993 , <i>97</i> (11), 2516-2522. |
| (Samori, 2005) | Samori, S.; Tojo, S.; Fujitsuka, M.; Yang, S.-W.; Elangovan, A.; Ho, T.-I.; Majima, T., Efficient Emission from Charge Recombination during the Pulse Radiolysis of Electrochemical Luminescent Donor-Acceptor Molecules with an Ethynyl Linkage. <i>J Org Chem</i> 2005 , <i>70</i> (17), 6661-6668. |
| (Sandler, 1964) | Sandler, S. R.; Tsou, K. C., Quenching of Scintillation Process in Plastics by Organometallics. <i>Journal of Physical Chemistry</i> 1964 , <i>68</i> (2), 300-304. |
| (Sankararaman, 1989) | Sankararaman, S.; Kochi, J. K., Photoinduced Electron Transfer by Charge-transfer and Singlet-sensitized Activation. Facile Retro-pinacol via Fragmentation of Cation Radicals. <i>J. Chem. Soc. Chem. Commun.</i> 1989 , (23), 1800-1802. |
| (Santiago, 1978) | Santiago, C.; Gandour, R. W.; Houk, K. N.; Nutakul, W.; Cravey, W. E.; Thummel, R. P., Photoelectron and Ultraviolet Spectra of Small-Ring Fused Aromatic Molecules as Probes of Aromatic Ring Distortions. <i>Journal of the American Chemical Society</i> 1978 , <i>100</i> (12), 3730-3737. |
| (Sarkar, 1999) | Sarkar, M.; Poddar, S., Spectral Studies of Methyl Violet in Aqueous Solutions of Different Surfactants in Supermicellar Concentration Region. <i>Spectrochim. Acta A</i> 1999 , <i>55</i> (9), 1737-1742. |
| (Sasaki, 2010) | Sasaki, S.; Ogawa, K.; Watanabe, M.; Yoshifuji, M., Synthesis and Properties of Sterically Crowded Triarylphosphines Bearing Naphthoquinone Moieties. <i>Organometallics</i> 2010 , <i>29</i> (4), 757-766. |
| (Sasaki, 2008) | Sasaki, S.-i.; Mizutani, K.; Kunieda, M.; Tamiaki, H., Synthesis, Modification, and Optical Properties of C3-Ethylnylated Chlorophyll Derivatives. <i>Tetrahedron Letters</i> 2008 , <i>49</i> (26), 4113-4115. |

| | |
|-----------------------|---|
| (Satam, 2013) | Satam, M. A.; Raut, R. K.; Sekar, N., Fluorescent Azo Disperse Dyes from 3-(1,3-Benzothiazol-2-yl)naphthalen-2-ol and Comparison with 2-Naphthol Analogs. <i>Dyes Pigments</i> 2013 , <i>96</i> (1), 92-103. |
| (Satam, 2010) | Satam, V. S.; Rajule, R. N.; Jagtap, A. R.; Bendre, S. R.; Pati, H. N.; Kanetkar, V. R., Synthesis and Characterization of Novel Fluorescent Compounds Derived from 1,4-Diethyl-1,2,3,4-tetrahydro-6-nitroquinoxaline. <i>J. Heterocyclic. Chem.</i> 2010 , <i>47</i> (5), 1066-1072. |
| (Satpati, 2005) | Satpati, A.; Senthilkumar, S.; Kumbhakar, M.; Nath, S.; Maity, D. K.; Pal, H., Investigations of the Solvent Polarity Effect on the Photophysical Properties of Coumarin-7 Dye. <i>Photochemistry and Photobiology</i> 2005 , <i>81</i> (2), 270-278. |
| (Sazanovich, 2004) | Sazanovich, I. V.; Kirmaier, C.; Hindin, E.; Yu, L.; Bocian, D. F.; Lindsey, J. S.; Holten, D., Structural Control of the Excited-State Dynamics of Bis(dipyrrinato)zinc Complexes: Self-Assembling Chromophores for Light-Harvesting Architectures. <i>Journal of the American Chemical Society</i> 2004 , <i>126</i> (9), 2664-2665. |
| (Schenone, 1990) | Schenone, P.; Sansebastiano, L.; Mosti, L., Reaction of 2-Dimethylaminomethylene-1,3-diones with Dinucleophiles. VIII. Synthesis of Ethyl and Methyl 2,4-Disubstituted 5-Pyrimidinecarboxylates. <i>J. Heterocyclic. Chem.</i> 1990 , <i>27</i> (2), 295-305. |
| (Schwartz, 1980) | Schwartz, S. J.; von Elbe, J. H., Quantitative Determination of Individual Betacyanin Pigments by High-Performance Liquid Chromatography. <i>J. Agr. Food Chem.</i> 1980 , <i>28</i> (3), 540-543. |
| (Scott, 1976) | Scott, W. J.; Bover, W. J.; Bratin, K.; Zuman, P., Nucleophilic Additions to Aldehydes and Ketones. 2. Reactions of Heterocyclic Aldehydes with Hydroxide Ions. <i>J Org Chem</i> 1976 , <i>41</i> (11), 1952-1957. |
| (Seely, 1986) | Seely, G. R.; Connolly, J. S., Fluorescence of Photosynthetic Pigments <i>in vitro</i> . In <i>Light Emission by Plants and Bacteria</i> , Govindjee; Amesz, J.; Fork, D. C., Eds. Academic Press: 1986; pp 99-133. |
| (Seely, 1965) | Seely, G. R.; Jensen, R. G., Effect of Solvent on the Spectrum of Chlorophyll. <i>Spectrochim. Acta</i> 1965 , <i>21</i> (10), 1835-1845. |
| (Sen, 1997) | Sen, A.; Krishnan, V., Spectroscopic, Redox and Photophysical Properties of Push-Pull Fluoroarylporphyrins. <i>J. Chem. Soc. Faraday Trans.</i> 1997 , <i>93</i> (24), 4281-4288. |
| (Sens, 1981) | Sens, R.; Drexhage, K. H., Fluorescence Quantum Yield of Oxazine and Carbazine Laser Dyes. <i>J. Lumin.</i> 1981 , <i>24-5</i> (NOV), 709-712. |
| (Senthilikumar, 2004) | Senthilikumar, S.; Nath, S.; Pal, H., Photophysical Properties of Coumarin-30 Dye in Aprotic and Protic Solvents of Varying Polarities. <i>Photochemistry and Photobiology</i> 2004 , <i>80</i> (1), 104-111. |
| (Seristatidou, 2015) | Seristatidou, E.; Mavrogiorgou, A.; Konstantinou, I.; Louloudi, M.; Deligiannakis, Y., Recycled Carbon (RC) Materials Made Functional: An Efficient Heterogeneous Mn-RC Catalyst. <i>J. Mol. Catal. A-Chem.</i> 2015 , <i>403</i> , 84-92. |
| (Seybold, 1969) | Seybold, P. G.; Gouterman, M., Porphyrins. XIII: Fluorescence Spectra and Quantum Yields. <i>J. Mol. Spectrosc.</i> 1969 , <i>31</i> (1), 1-13. |
| (Seybold, 1969) | Seybold, P. G.; Gouterman, M.; Callis, J., Calorimetric, Photometric and Lifetime Determinations of Fluorescence Yields of Fluorescein Dyes. <i>Photochemistry and Photobiology</i> 1969 , <i>9</i> (3), 229-242. |
| (Shahabadi, 2013) | Shahabadi, N.; Maghsudi, M., Gel Electrophoresis and DNA Interaction Studies of the Food Colorant Quinoline Yellow. <i>Dyes Pigments</i> 2013 , <i>96</i> (2), 377-382. |

| | |
|--------------------|---|
| (Shakirova, 2012) | Shakirova, J. R.; Grachova, E. V.; Melekhova, A. A.; Krupenya, D. V.; Gurzhiy, V. V.; Karttunen, A. J.; Koshevoy, I. O.; Melnikov, A. S.; Tunik, S. P., Luminescent Au ^I –Cu ^I Triphosphane Clusters That Contain Extended Linear Arylacetylenes. <i>Eur. J. Inorg. Chem.</i> 2012 , 2012 (25), 4048-4056. |
| (Shank, 2013) | Shank, N. I.; Pham, H. H.; Waggoner, A. S.; Armitage, B. A., Twisted Cyanines: A Non-Planar Fluorogenic Dye with Superior Photostability and Its Use in a Protein-Based Fluoromodule. <i>Journal of the American Chemical Society</i> 2013 , 135 (1), 242-251. |
| (Shapovalov, 2011) | Shapovalov, S. A., Association of Anions of Phenolsulfonephthalein and Its Alkyl-Substituted Derivatives with Single-Charged Cations of Polymethines. <i>Russ Chem B+</i> 2011 , 60 (3), 465-473. |
| (Sharghi, 2003) | Sharghi, H.; Nejad, A. H., Phosphorus Pentachloride (PCl ₅) Mediated Synthesis of Tetraarylporphyrins. <i>Helv. Chim. Acta</i> 2003 , 86 (2), 408-414. |
| (Sheppard, 1944) | Sheppard, S. E.; Geddes, A. L., Effect of Solvents upon the Absorption Spectra of Dyes. V. Water as Solvent: Quantitative Examination of the Dimerization Hypothesis. <i>Journal of the American Chemical Society</i> 1944 , 66, 2003-2009. |
| (Shi, 2014) | Shi, H.; Cheng, Y.; Lee, K. H.; Luo, R. F.; Banaei, N.; Rao, J., Engineering the Stereochemistry of Cephalosporin for Specific Detection of Pathogenic Carbapenemase-Expressing Bacteria. <i>Angew Chem. Int. Ed. Engl.</i> 2014 , 53 (31), 8113-8116. |
| (Shimizu, 2016) | Shimizu, A.; Ito, A.; Teki, Y., Photostability Enhancement of the Pentacene Derivative Having Two Nitronyl Nitroxide Radical Substituents. <i>Chem. Commun.</i> 2016 , 52 (14), 2889-2892. |
| (Shine, 1965) | Shine, H. J.; Small, R. J., Ion Radicals. VI. Phenoxathiin and Phenoxathiin 5-Oxide in Sulfuric Acid. <i>J Org Chem</i> 1965 , 30 (7), 2140-2144. |
| (Shizuka, 1982) | Shizuka, H.; Ueki, Y.; Iizuka, T.; Kanamaru, N., Radiative and Radiationless Transitions in the Excited State of Methyl- and Methylene-Substituted Benzenes in Condensed Media. <i>Journal of Physical Chemistry</i> 1982 , 86 (17), 3327-3333. |
| (Shorygin, 1958) | Shorygin, P. P.; Ivanova, T. M., On the Simultaneous Observation of the Raman Spectrum and Fluorescence. <i>Dokl. Akad. Nauk SSSR</i> 1958 , 3, 764-767. |
| (Sims, 1974) | Sims, P. J.; Waggoner, A. S.; Wang, C. H.; Hoffman, J. F., Studies on the Mechanism by Which Cyanine Dyes Measure Membrane Potential in Red Blood Cells and Phosphatidylcholine Vesicles. <i>Biochemistry</i> 1974 , 13 (16), 3315-3330. |
| (Singh, 1998) | Singh, M. K.; Pal, H.; Bhasikuttan, A. C.; Sapre, A. V., Dual Solvatochromism of Neutral Red. <i>Photochemistry and Photobiology</i> 1998 , 68 (1), 32-38. |
| (Siskos, 1999) | Siskos, M. G.; Zarkadis, A. K.; Steenken, S.; Karakostas, N., Photodissociation of <i>N</i> -Arylmethylanilines: A Laser Flash Photolysis, Fluorescence, and Product Analysis Study. <i>J Org Chem</i> 1999 , 64 (6), 1925-1931. |
| (Sivasankar, 2012) | Sivasankar, T.; Antony Muthu Prabhu, A.; Karthick, M.; Rajendiran, N., Encapsulation of Vanillylamine by Native and Modified Cyclodextrins: Spectral and Computational Studies. <i>J. Mol. Struct.</i> 2012 , 1028, 57-67. |
| (Skaličan, 1994) | Skaličan, Z.; Kobliha, Z.; Halámek, E., Ion-Associates of <i>N,N</i> -Diethyllysergamide with Some Sulfophthaleins and Azo Dyes. <i>Collect. Czech. Chem. Comm.</i> 1994 , 59 (3), 575-581. |
| (Smith, 1985) | Smith, K. M.; Goff, D. A.; Simpson, D. J., <i>Meso</i> Substitution of Chlorophyll Derivatives: Direct Route for Transformation of Bacteriopheophorbides <i>d</i> into Bacteriopheophorbides <i>c</i> . <i>Journal of the American Chemical Society</i> 1985 , 107 (17), 4946-4954. |

| | |
|------------------|--|
| (Smith, 1984) | Smith, K. M.; Pandey, R. K., Bile Pigment Studies—VII. New Syntheses of Biliverdin-IX α Dimethyl Ester and Two Related Mono-vinyl-mono-ethyl Isomers. <i>Tetrahedron</i> 1984 , <i>40</i> (10), 1749-1754. |
| (Snare, 1982) | Snare, M. J.; Treloar, F. E.; Ghiggino, K. P.; Thistletonwaite, P. J., The Photophysics of Rhodamine B. <i>J. Photochem.</i> 1982 , <i>18</i> (4), 335-346. |
| (Snyder, 1984) | Snyder, R.; Testa, A. C., Influence of Electron-Donor–Acceptor Complexation on Electronic Relaxation of Quinoline. <i>Journal of Physical Chemistry</i> 1984 , <i>88</i> (24), 5948-5950. |
| (Soep, 1972) | Soep, B.; Martin, M.; Kellmann, A.; Lindqvist, L., Study of Triplet Quantum Yields Using a Tunable Dye Laser. <i>Chem Phys Lett</i> 1972 , <i>13</i> (3), 241-244. |
| (Son, 2016) | Son, C.; Inagaki, A., Synthesis and Photocatalytic Activity of a Naphthyl-Substituted Photosensitizing BINAP–Palladium Complex. <i>Dalton Trans.</i> 2016 , <i>45</i> (4), 1331-1334. |
| (Soper, 1994) | Soper, S. A.; Mattingly, Q. L., Steady-State and Picosecond Laser Fluorescence Studies of Nonradiative Pathways in Tricarbocyanine Dyes: Implications to the Design of Near-IR Fluorochromes with High Fluorescence Efficiencies. <i>Journal of the American Chemical Society</i> 1994 , <i>116</i> (9), 3744-3752. |
| (Spengler, 1987) | Spengler, B.; Karas, M.; Bahr, U.; Hillenkamp, F., Excimer Laser Desorption Mass Spectrometry of Biomolecules at 248 and 193 nm. <i>Journal of Physical Chemistry</i> 1987 , <i>91</i> (26), 6502-6506. |
| (Staab, 1992) | Staab, H. A.; Voit, G.; Weiser, J.; Futscher, M., Porphyrin-Quinone Cyclophanes with Gradually Varied Acceptor Strength: Physical Properties Related to Electron Transfer. <i>Chem. Ber-Recl.</i> 1992 , <i>125</i> (10), 2303-2310. |
| (Stalin, 2005) | Stalin, T.; Devi, R. A.; Rajendiran, N., Spectral Characteristics of <i>ortho</i> , <i>meta</i> and <i>para</i> Dihydroxy Benzenes in Different Solvents, pH and β -Cyclodextrin. <i>Spectrochim. Acta A</i> 2005 , <i>61</i> (11-12), 2495-2504. |
| (Stewart, 1981) | Stewart, W. W., Synthesis of 3,6-Disulfonated 4-Aminonaphthalimides. <i>Journal of the American Chemical Society</i> 1981 , <i>103</i> (25), 7615-7620. |
| (Stone, 1968) | Stone, A.; Fleische, E. B., The Molecular and Crystal Structure of Porphyrin Diacids. <i>Journal of the American Chemical Society</i> 1968 , <i>90</i> (11), 2735-2748. |
| (Stoyanov, 1994) | Stoyanov, S. I.; Dobrev, A. A.; Antonov, L. M., Structure Investigations of N-Acylated Imines by Means of UV-Vis Spectroscopy. <i>Monatsh. Chem.</i> 1994 , <i>125</i> (3), 259-266. |
| (Strachan, 1997) | Strachan, J.-P.; Gentemann, S.; Seth, J.; Kalsbeck, W. A.; Lindsey, J. S.; Holten, D.; Bocian, D. F., Effects of Orbital Ordering on Electronic Communication in Multiporphyrin Arrays. <i>Journal of the American Chemical Society</i> 1997 , <i>119</i> (46), 11191-11201. |
| (Strachan, 2000) | Strachan, J.-P.; O'Shea, D. F.; Balasubramanian, T.; Lindsey, J. S., Rational Synthesis of Meso-Substituted Chlorin Building Blocks. <i>J Org Chem</i> 2000 , <i>65</i> (10), 3160-3172. |
| (Strain, 1963) | Strain, H. H.; Thomas, M. R.; Katz, J. J., Spectral Absorption Properties of Ordinary and Fully Deuteriated Chlorophylls <i>a</i> and <i>b</i> . <i>Biochim. Biophys. Acta</i> 1963 , <i>75</i> (3), 306-311. |
| (Streitwieser, | Streitwieser, A.; Wang, D. Z.; Stratakis, M.; Faccetti, A.; Gareyev, R.; Abbotto, A.; Krom, J. A.; Kilway, K. V., Extended |

| | |
|--------------------|--|
| (1998) | Lithium Ion Pair Indicator Scale in Tetrahydrofuran. <i>Can. J. Chem.</i> 1998 , 76 (6), 765-769. |
| (Sugiura, 2006) | Sugiura, W.; Yoda, T.; Matsuba, T.; Tanaka, Y.; Suzuki, Y., Expression and Characterization of the Genes Encoding Azoreductases from <i>Bacillus subtilis</i> and <i>Geobacillus stearothermophilus</i> . <i>Biosci. Biotech. Biochem.</i> 2006 , 70 (7), 1655-1665. |
| (Sun, 2009) | Sun, H. Y.; Bai, Y.; Zhao, M. G.; Hao, A. Y.; Xu, G. Y.; Shen, J.; Li, J. Y.; Sun, T.; Zhang, H. C., New Cyclodextrin Derivative 6-O-(2-Hydroxybutyl)- β -cyclodextrin: Preparation and Its Application in Molecular Binding and Recognition. <i>Carbohydr. Res.</i> 2009 , 344 (15), 1999-2004. |
| (Sun, 1972) | Sun, M.; Moore, T. A.; Song, P.-S., Molecular Luminescence Studies of Flavins. I. The Excited States of Flavins. <i>Journal of the American Chemical Society</i> 1972 , 94 (5), 1730-1740. |
| (Sun, 1998) | Sun, W.-C.; Gee, K. R.; Haugland, R. P., Synthesis of Novel Fluorinated Coumarins: Excellent UV-Light Excitable Fluorescent Dyes. <i>Bioorg. Med. Chem. Lett.</i> 1998 , 8 (22), 3107-3110. |
| (Szydłowska, 2003) | Szydłowska, I.; Kyrychenko, A.; Nowacki, J.; Herbich, J., Photoinduced Intramolecular Electron Transfer in 4-Dimethylaminopyridines. <i>Phys. Chem. Chem. Phys.</i> 2003 , 5 (6), 1032-1038. |
| (Szymanska, 2000) | Szymanska, A.; Wiczk, W.; Lankiewicz, L., Synthesis and Photophysics of Acridine Derivatives. <i>Khim. Geterotsikl.</i> 2000 , (7), 914-921. |
| (Taguchi, 1995) | Taguchi, H.; Kita, S.; Tani, Y., Microbial Conversion of 2-Methylnaphthalene to 2-Methyl-1-naphthol and Menadione. <i>Biosci. Biotech. Biochem.</i> 1995 , 59 (10), 2001-2003. |
| (Takeuchi, 1979) | Takeuchi, Y.; Kirk, K. L.; Cohen, L. A., Imidazole Cyclotrimers (Trimidazoles), a Novel Heteroannular Series. <i>J Org Chem</i> 1979 , 44 (24), 4243-4246. |
| (Takimiya, 1998) | Takimiya, K.; Yanagimoto, T.; Yamashiro, T.; Ogura, F.; Otsubo, T., Syntheses and Properties of 11,11,12,12-Tetracyano-2,6-anthraquinodimethane (TANT) and Its 9,10-Dichloro Derivative as Novel Extensive Electron Acceptors. <i>Bulletin of the Chemical Society of Japan</i> 1998 , 71 (6), 1431-1435. |
| (Tammina, 2016) | Tammina, S. K.; Mandal, B. K., Tyrosine Mediated Synthesis of SnO ₂ Nanoparticles and Their Photocatalytic Activity towards Violet 4 BSN Dye. <i>J. Mol. Liq.</i> 2016 , 221, 415-421. |
| (Tan, 2013) | Tan, L.-L.; Yang, Y.-W.; Liu, Y.-P.; Zhang, S. X.-A., One-Pot Synthesis of Tetrafluoro- and Tetrachlorofluorescein Derivatives and Their Stabilization by β -Cyclodextrin. <i>Chin. J. Chem.</i> 2013 , 31 (5), 612-616. |
| (Tang, 2013) | Tang, J.-H.; Liang, G.-B.; Zheng, C.-Z.; Lian, N., Investigation on the Binding Behavior of Ellagic Acid to Human Serum Albumin in Aqueous Solution. <i>J. Solution Chem.</i> 2013 , 42 (1), 226-238. |
| (Tang, 2010) | Tang, Q.; Liang, Z.; Liu, J.; Xu, J.; Miao, Q., N-Heteroquinones: Quadruple Weak Hydrogen Bonds and n-Channel Transistors. <i>Chem. Commun.</i> 2010 , 46 (17), 2977-2979. |
| (Taniguchi, 2002) | Taniguchi, M.; Kim, H.-J.; Ra, D.; Schwartz, J. K.; Kirmaier, C.; Hindin, E.; Diers, J. R.; Prathapan, S.; Bocian, D. F.; Holten, D.; Lindsey, J. S., Synthesis and Electronic Properties of Regioisomerically Pure Oxochlorins. <i>J Org Chem</i> 2002 , 67 (21), 7329-7342. |
| (Tanizaki, 1957) | Tanizaki, Y.; Ando, N., Absorption Spectra of Dyes. I. Aggregation and Absorption Spectra of Benzidine Disazo Dyes. <i>Nippon</i> |

| | |
|-------------------|---|
| | <i>Kagaku Zasshi</i> 1957 , <i>31</i> (3), 343-348. |
| (Tempesti, 2012) | Tempesti, T. C.; Alvarez, M. G.; de Araújo, M. F.; Catunda Júnior, F. E. A.; de Carvalho, M. G.; Durantini, E. N., Antifungal Activity of a Novel Quercetin Derivative Bearing a Trifluoromethyl Group on <i>Candida albicans</i> . <i>Med. Chem. Res.</i> 2012 , <i>21</i> (9), 2217-2222. |
| (Thomas, 2002) | Thomas, A. H.; Lorente, C.; Capparelli, A. L.; Pokhrel, M. R.; Braun, A. M.; Oliveros, E., Fluorescence of Pterin, 6-Formylpterin, 6-Carboxypterin and Folic Acid in Aqueous Solution: pH Effects. <i>Photochem. Photobiol. Sci.</i> 2002 , <i>1</i> (6), 421-426. |
| (Thummel, 1976) | Thummel, R. P., Benzo[1,2:3,4]dicyclobutene. <i>Journal of the American Chemical Society</i> 1976 , <i>98</i> (2), 626-629. |
| (Thummel, 1977) | Thummel, R. P.; Nutakul, W., Preparation and Properties of Small Ring Bis-Annelated Benzenes. <i>J Org Chem</i> 1977 , <i>42</i> (2), 300-305. |
| (Togashi, 2004) | Togashi, D. M.; Nicodem, D. E., Photophysical Studies of 9,10-Phenanthrenequinones. <i>Spectrochim. Acta A</i> 2004 , <i>60</i> (13), 3205-3212. |
| (Tomizaki, 2002) | Tomizaki, K.-y.; Loewe, R. S.; Kirmaier, C.; Schwartz, J. K.; Retsek, J. L.; Bocian, D. F.; Holten, D.; Lindsey, J. S., Synthesis and Photophysical Properties of Light-Harvesting Arrays Comprised of a Porphyrin Bearing Multiple Perylene-Monoimide Accessory Pigments. <i>J Org Chem</i> 2002 , <i>67</i> (18), 6519-6534. |
| (Tono-oka, 1989) | Tono-oka, S.; Azuma, I., Enzymatic ADP-ribosylation of Benzotriazoles and Related Triazoles. Difference of Glycosidation Site between Triazoles and Indazoles. <i>J. Heterocyclic. Chem.</i> 1989 , <i>26</i> (2), 339-343. |
| (Toyama, 2013) | Toyama, T.; Komori, S.; Yoshino, J.; Hayashi, N.; Higuchi, H., Synthesis and Properties of 1,1'-Bis[p-(N,N-dimethylaminophenyl)-butadiynyl]ferrocene: a Methodology for Proton-Mediated Reversible Conformation Control of Two Function Sites. <i>Tetrahedron Letters</i> 2013 , <i>54</i> (1), 66-71. |
| (Tran-Thi, 2002) | Tran-Thi, T.-H.; Prayer, C.; Millié, P.; Uznanski, P.; Hynes, J. T., Substituent and Solvent Effects on the Nature of the Transitions of Pyrenol and Pyranine. Identification of an Intermediate in the Excited-State Proton-Transfer Reaction. <i>J. Phys. Chem. A</i> 2002 , <i>106</i> (10), 2244-2255. |
| (Traven, 1997) | Traven, V. F.; Vorobjeva, L. I.; Chibisova, T. A.; Carberry, E. A.; Beyer, N. J., Electronic Absorption Spectra and Structure of Hydroxycoumarin Derivatives and Their Ionized Forms. <i>Can. J. Chem.</i> 1997 , <i>75</i> (4), 365-376. |
| (Tredwell, 1979) | Tredwell, C. J.; Keary, C. M., Picosecond Time Resolved Fluorescence Lifetimes of the Polymethine and Related Dyes. <i>Chem. Phys.</i> 1979 , <i>43</i> (3), 307-316. |
| (Tric, 1970) | Tric, C.; Lejeune, V., Research Note: Les Carotenes Fluorescent-ils? <i>Photochemistry and Photobiology</i> 1970 , <i>12</i> (4), 339-343. |
| (Trofimova, 2003) | Trofimova, O. M.; Brodskaya, E. I.; Bolgova, Y. I.; Chernov, N. F.; Voronkov, M. G., 1- and 2-Trimethoxysilylmethyl and 1- and 2-Silatranyl methylbenzotriazoles. <i>Dokl. Chem.</i> 2003 , <i>388</i> (1-3), 26-29. |
| (Tyagi, 2010) | Tyagi, A.; Penzkofer, A., Fluorescence Spectroscopic Behaviour of Folic Acid. <i>Chem. Phys.</i> 2010 , <i>367</i> (2-3), 83-92. |
| (Uchiyama, | Uchiyama, S.; Takehira, K.; Kohtani, S.; Imai, K.; Nakagaki, R.; Tobita, S.; Santa, T., Fluorescence On-Off Switching |

| | |
|------------------------|---|
| (2003) | Mechanism of Benzofurazans. <i>Org. Biomol. Chem.</i> 2003 , <i>1</i> (6), 1067-1072. |
| (Ungnade, 1953) | Ungnade, H. E., The Effect of Solvents on the Absorption Spectra of Aromatic Compounds. <i>Journal of the American Chemical Society</i> 1953 , <i>75</i> (2), 432-434. |
| (Valgimigli, 2003) | Valgimigli, L.; Brigati, G.; Pedulli, G. F.; DiLabio, G. A.; Mastragostino, M.; Arbizzani, C.; Pratt, D. A., The Effect of Ring Nitrogen Atoms on the Homolytic Reactivity of Phenolic Compounds: Understanding the Radical-Scavenging Ability of 5-Pyrimidinols. <i>Chemistry</i> 2003 , <i>9</i> (20), 4997-5010. |
| (van Beek, 1971) | van Beek, H. C. A.; Heertjes, P. M.; Houtepen, C.; Retzloff, D., Formation of Hydrazyl Radicals and Hydrazo Compounds by Photoreduction of Azo Dyes. <i>J. Soc. Dyers Colour.</i> 1971 , <i>87</i> (3), 87-92. |
| (Van Der Veen, 1985) | Van Der Veen, R. H.; Cefontain, H., Photochemistry of β,γ -Enones—VIII. On the Remarkable Photostability of Some $\beta,\gamma,\beta',\gamma'$ -Dienones and the 1,3-Acyl Shift Photoreactivity of Two $\beta,\gamma,\gamma',\delta'$ -Dienones. <i>Tetrahedron</i> 1985 , <i>41</i> (3), 585-594. |
| (Van Der Weerdt, 1981) | Van Der Weerdt, A. J. A.; Cefontain, H., Photochemistry of β,γ -Unsaturated Ketones—V. The Direct Irradiation of Some γ -Phenyl β,γ -Enones. <i>Tetrahedron</i> 1981 , <i>37</i> (11), 2121-2130. |
| (Van Gompel, 1989) | Van Gompel, J. A.; Schuster, G. B., Photophysical Behavior of Ester-Substituted Aminocoumarins: A New Twist. <i>Journal of Physical Chemistry</i> 1989 , <i>93</i> , 1292-1295. |
| (Van Houten, 1976) | Van Houten, J.; Watts, R. J., Temperature Dependence of the Photophysical and Photochemical Properties of the Tris(2,2'-bipyridyl)ruthenium(II) Ion in Aqueous Solution. <i>Journal of the American Chemical Society</i> 1976 , <i>98</i> (16), 4853-4858. |
| (van Walree, 1996) | van Walree, C. A.; Roest, M. R.; Schuddeboom, W.; Jenneskens, L. W.; Verhoeven, J. W.; Warman, J. M.; Kooijman, H.; Spek, A. L., Comparison between SiMe ₂ and CMe ₂ Spacers as σ -Bridges for Photoinduced Charge Transfer. <i>Journal of the American Chemical Society</i> 1996 , <i>118</i> (35), 8395-8407. |
| (Velsko, 1982) | Velsko, S. P.; Fleming, G. R., Solvent Influence on Photochemical Isomerizations: Photophysics of Dodci. <i>Chem. Phys.</i> 1982 , <i>65</i> (1), 59-70. |
| (Ventura, 2008) | Ventura, B.; Flamigni, L.; Marconi, G.; Lodato, F.; Officer, D. L., Extending the Porphyrin Core: Synthesis and Photophysical Characterization of Porphyrins with π -Conjugated β -Substituents. <i>New J. Chem.</i> 2008 , <i>32</i> (1), 166-178. |
| (Venuvanalingam, 1980) | Venuvanalingam, P.; Singh, U. C.; Subbaratnam, N. R., Semi-empirical MO-Calculations on the Electronic Spectra of Benzoquinonechlorimides. <i>Spectrochim. Acta A</i> 1980 , <i>36</i> (1), 103-107. |
| (Vernon, 1966) | Vernon, L. P.; Seely, G. R., <i>The Chlorophylls</i> . Academic Press: New York, USA, 1966. |
| (Visser, 1985) | Visser, R. J.; Weisenborn, P. C. M.; Varma, C. A. G. O., Solute-Solvent Exciplexes as the Source of Anomalous Fluorescence from 4-N,N-Dimethylamino-Ethylbenzoate in 1,4-Dioxane and in Polar Solvents. <i>Chem Phys Lett</i> 1985 , <i>113</i> (4), 330-336. |
| (Voropai, 2003) | Voropai, E. S.; Samtsov, M. P.; Kaplevskii, K. N.; Maskevich, A. A.; Stepuro, V. I.; Povarova, O. I.; Kuznetsova, I. M.; Turoverov, K. K.; Fink, A. L.; Uverskii, V. N., Spectral Properties of Thioflavin I and Its Complexes with Amyloid Fibrils. <i>J. Appl. Spectrosc.</i> 2003 , <i>70</i> (6), 868-874. |
| (Waggoner, 1989) | Waggoner, A.; DeBiasio, R.; Conrad, P.; Bright, G. R.; Ernst, L.; Ryan, K.; Nederlof, M.; Taylor, D., Multiple Spectral Parameter Imaging. In <i>Methods in Cell Biology</i> , 1989; Vol. 30, pp 449-478. |

| | |
|---------------------|--|
| (Wagner, 1996) | Wagner, R. W.; Lindsey, J. S., Boron-Dipyrromethene Dyes for Incorporation in Synthetic Multi-Pigment Light-Harvesting Arrays. <i>Pure Appl Chem</i> 1996 , 68 (7), 1373-1380. Corrigendum: Wagner, R. W.; Lindsey, J. S. <i>Pure Appl. Chem.</i> 1998, 70 (8), p. i. |
| (Wang, 1995) | Wang, M.-L.; Ou, C.-C.; Jwo, J.-J., Study of the Reaction of Benzoyl Chloride and Sodium Dicarboxylate under Inverse Phase Transfer Catalysis. <i>Bulletin of the Chemical Society of Japan</i> 1995 , 68 (8), 2165-2174. |
| (Wang, 2007) | Wang, Q.; Chen, X.; Tao, L.; Wang, L.; Xiao, D.; Yu, X.-Q.; Pu, L., Enantioselective Fluorescent Recognition of Amino Alcohols by a Chiral Tetrahydroxyl 1,1'-Binaphthyl Compound. <i>J Org Chem</i> 2007 , 72 (1), 97-101. |
| (Wasielewski, 1980) | Wasielewski, M. R.; Svec, W. A., Synthesis of Covalently Linked Dimeric Derivatives of Chlorophyll <i>a</i> , Pyrochlorophyll <i>a</i> , Chlorophyll <i>b</i> , and Bacteriochlorophyll <i>a</i> . <i>J Org Chem</i> 1980 , 45 (10), 1969-1974. |
| (Watanabe, 1986) | Watanabe, M.; Hisamatsu, S.; Hotokezaka, H.; Furukawa, S., Reaction of Lithiated Senecioamide and Related Compounds with Benzyne: Efficient Syntheses of Naphthols and Naphthoquinones. <i>Chem. Pharm. Bull.</i> 1986 , 34 (7), 2810-2820. |
| (Weber, 1952) | Weber, G., Polarization of the Fluorescence of Macromolecules: 2. Fluorescent Conjugates of Ovalbumin and Bovine Serum Albumin. <i>Biochem. J.</i> 1952 , 51 (2), 155-168. |
| (Weber, 1957) | Weber, G.; Teale, F. W. J., Determination of the Absolute Quantum Yield of Fluorescent Solutions. <i>T. Faraday Soc.</i> 1957 , 53 (5), 646-655. |
| (Weisblum, 1974) | Weisblum, B.; Haenssler, E., Fluorometric Properties of the Bibenzimidazole Derivative Hoechst 33258, a Fluorescent-Probe Specific for AT Concentration in Chromosomal DNA. <i>Chromosoma</i> 1974 , 46 (3), 255-260. |
| (Wen, 1997) | Wen, L.; Li, M.; Schlenoff, J. B., Polyporphyrin Thin Films from the Interfacial Polymerization of Mercaptoporphyrins. <i>Journal of the American Chemical Society</i> 1997 , 119 (33), 7726-7733. |
| (Wendel, 2015) | Wendel, M.; Nizinski, S.; Tuwalska, D.; Starzak, K.; Szot, D.; Prukala, D.; Sikorski, M.; Wybraniec, S.; Burdzinski, G., Time-Resolved Spectroscopy of the Singlet Excited State of Betanin in Aqueous and Alcoholic Solutions. <i>Phys. Chem. Chem. Phys.</i> 2015 , 17 (27), 18152-18158. |
| (Whalley, 1961) | Whalley, M., Conjugated Macrocycles. Part XXXII. Absorption Spectra of Tetrazaporphins and Phthalocyanines. Formation of Pyridine Salts. <i>J Chem Soc</i> 1961 , (Mar), 866-869. |
| (Whitlock, 1969) | Whitlock, H. W., Jr.; Hanauer, R.; Oester, M. Y.; Bower, B. K., Diimide Reduction of Porphyrins. <i>Journal of the American Chemical Society</i> 1969 , 91 (26), 7485-7489. |
| (Whitlock, 1972) | Whitlock, L. R.; Siggia, S.; Smola, J. E., Spectrophotometric Analysis of Phenols and of Sulfonates by Formation of an Azo Dye. <i>Anal. Chem.</i> 1972 , 44 (3), 532-536. |
| (Wightman, 1971) | Wightman, R. H.; Wain, R. J.; Lake, D. H., Tricyclic Unsaturated Hydrocarbons. <i>Can. J. Chem.</i> 1971 , 49 (9), 1360-1366. |
| (Wilson, 1987) | Wilson, R. M.; Hengge, A., Nucleophilic Additions to Triazolinedione Ylides, Extremely Reactive Carbonyl Equivalents: A New Class of Condensation Reactions. <i>J Org Chem</i> 1987 , 52 (13), 2699-2707. |
| (Wittine, 2004) | Wittine, K.; Gazivoda, T.; Markuš, M.; Mrvoš-Sermek, D.; Hergold-Brundić, A.; Cetina, M.; Žiher, D.; Gabelica, V.; Mintas, |

| | |
|-----------------------|--|
| | M.; Raić-Malić, S., Crystal Structures, Circular Dichroism Spectra and Absolute Configurations of Some L-Ascorbic Acid Derivatives. <i>J. Mol. Struct.</i> 2004 , <i>687</i> (1-3), 101-106. |
| (Wojciechowski, 1986) | Wojciechowski, K.; Szadowski, J., Effect of Amide Groups in <i>p</i> -N,N-Dimethylaminoazobenzene Derivatives on Their Spectral Properties within the UV-Vis Range. <i>Polish J. Chem.</i> 1986 , <i>60</i> (7-12), 797-810. |
| (Wolfbeis, 1986) | Wolfbeis, O. S.; Hochmuth, P., The Fluorescence of Ellagic Acid and Its Borax Complex. <i>Monatsh. Chem.</i> 1986 , <i>117</i> (3), 369-374. |
| (Wolfbeis, 1978) | Wolfbeis, O. S.; Uray, G., Fluoreszenzspektren, Photodissociation und Phototautomerie einiger 4-Hydroxycumarine. <i>Monatsh. Chem.</i> 1978 , <i>109</i> (1), 123-136. |
| (Wolff, 1981) | Wolff, T., The Solvent Dependent Fluorescence Quantum Yield of Acridine as a Probe for Water in Micelles and for the Preferred Location of Acridine in Micellar Solutions. <i>Ber. Bunsenges. Phys. Chem.</i> 1981 , <i>85</i> (2), 145-148. |
| (Wong, 2017) | Wong, D. Fluorescence and Phosphorescence. https://chem.libretexts.org/Core/Physical_and_Theoretical_Chemistry/Spectroscopy/Electronic_Spectroscopy/Fluorescence_and_Phosphorescence . |
| (Wong, 2012) | Wong, J.-H.; Lee, S., pH-Dependent Fluorescence Property of Methyl Red Isomers in Silver Colloids. <i>Physica B</i> 2012 , <i>407</i> (2), 232-234. |
| (Wood, 1998) | Wood, P. D.; Johnston, L. J., Photoionization and Photosensitized Electron-Transfer Reactions of Psoralens and Coumarins. <i>J. Phys. Chem. A</i> 1998 , <i>102</i> (28), 5585-5591. |
| (Xing, 2016) | Xing, K.; Fan, R.; Gao, S.; Wang, X.; Du, X.; Wang, P.; Fang, R.; Yang, Y., Controllable Synthesis of Zn/Cd(II) Coordination Polymers: Dual-Emissive Luminescent Properties, and Tailoring Emission Tendency under Varying Excitation Energies. <i>Dalton Trans.</i> 2016 , <i>45</i> (11), 4863-4878. |
| (Yakatan, 1972) | Yakatan, G. J.; Schulman, S. G.; Juneau, R. J., Phototautomerism of Warfarin Cation in Lowest Excited Singlet State <i>via</i> an Intramolecular Hydrogen Bridge. <i>J. Pharm. Sci.</i> 1972 , <i>61</i> (5), 749-753. |
| (Yamada, 1977) | Yamada, K.; Shosenji, H.; Gotoh, K., The Effects of Fluorescent Substances on the Photofading of Colours. II - The Effects of Fluorescent Brightening Agents on the Photofading of Triphenylmethane Dyes. <i>J. Soc. Dyers Colour.</i> 1977 , <i>93</i> (6), 219-223. |
| (Yamaguchi, 1982) | Yamaguchi, H.; Kitano, K.; Toyoda, K.; Baumann, H., Magnetic Circular Dichroism Spectra of Naphthalic Anhydride and 1,4,5,8-Naphthalenetetracarboxylic 1,8:4,5-Dianhydride. <i>Spectrochim. Acta A</i> 1982 , <i>38</i> (2), 261-263. |
| (Yamakawa, 1968) | Yamakawa, M.; Kubota, T.; Akazawa, H.; Tanaka, I., Electronic Spectra and Electronic Structures of Benzonitrile <i>N</i> -Oxide and Its Derivatives. <i>Bulletin of the Chemical Society of Japan</i> 1968 , <i>41</i> (5), 1046-1055. |
| (Yang, 2009) | Yang, P.; De Cian, A.; Teulade-Fichou, M.-P.; Mergny, J.-L.; Monchaud, D., Engineering Bisquinolinium/Thiazole Orange Conjugates for Fluorescent Sensing of G-Quadruplex DNA. <i>Angew Chem. Int. Ed. Engl.</i> 2009 , <i>48</i> (12), 2188-2191. |
| (Yang, 2003) | Yang, R.; Li, K. a.; Liu, F.; Li, N.; Zhao, F.; Chan, W., 3,3',5,5'-Tetramethyl- <i>N</i> -(9-anthrylmethyl)benzidine: A Dual-Signaling Fluorescent Reagent for Optical Sensing of Aliphatic Aldehydes. <i>Anal. Chem.</i> 2003 , <i>75</i> (15), 3908-3914. |
| (Yang, 1999) | Yang, S. I.; Seth, J.; Strachan, J.-P.; Gentemann, S.; Kim, D.; Holten, D.; Lindsey, J. S.; Bocian, D. F., Ground and Excited |

| | |
|----------------------|--|
| | State Electronic Properties of Halogenated Tetraarylporphyrins. Tuning the Building Blocks for Porphyrin-based Photonic Devices. <i>J. Porphyr. Phthalocyanines</i> 1999 , <i>3</i> (2), 117-147. |
| (Yang, 2015) | Yang, W.; Nakano, T., Synthesis of Poly(1,10-phenanthroline-5,6-diyl)s Having a π -Stacked, Helical Conformation. <i>Chem. Commun.</i> 2015 , <i>51</i> (97), 17269-17272. |
| (Yokoi, 1980) | Yokoi, H.; Iwaizumi, M., An ESR Study of the Interaction of Copper(II) Octaethylporphyrin with π -Acceptors. <i>Bulletin of the Chemical Society of Japan</i> 1980 , <i>53</i> (6), 1489-1492. |
| (Yoon, 1988) | Yoon, M.; Choi, H. N.; Kwon, H. W.; Park, K. H., Solvent Dependence of Absorption and Fluorescence Spectra of Piroxicam. A Possible Intramolecular Proton Transfer in the Excited State. <i>Bull. Korean Chem. Soc.</i> 1988 , <i>9</i> (3), 171-175. |
| (Yoshida, 1994) | Yoshida, S.; Fujii, M.; Aso, Y.; Otsubo, T.; Ogura, F., Novel Electron Acceptors Bearing a Heteroquinonoid System. 4. Syntheses, Properties, and Charge-Transfer Complexes of 2,7-Bis(dicyanomethylene)-2,7-dihydrobenzo[2,1- <i>b</i> :3,4- <i>b</i>]dithiophene, 2,7-Bis(dicyanomethylene)-2,7-dihydrobenzo[1,2- <i>b</i> :4,3- <i>b</i>]dithiophene, and 2,6-Bis(dicyanomethylene)-2,6-dihydrobenzo[1,2- <i>b</i> :4,5- <i>b</i>]dithiophene. <i>J Org Chem</i> 1994 , <i>59</i> (11), 3077-3081. |
| (Yoshimoto, 1963) | Yoshimoto, T., Electronic Absorption Spectra of Hydroxyanthraquinones. <i>Nippon Kagaku Zasshi</i> 1963 , <i>84</i> (9), 733-736. |
| (Yu, 2003) | Yu, L.; Muthukumaran, K.; Sazanovich, I. V.; Kirmaier, C.; Hindin, E.; Diers, J. R.; Boyle, P. D.; Bocian, D. F.; Holten, D.; Lindsey, J. S., Excited-State Energy-Transfer Dynamics in Self-Assembled Triads Composed of Two Porphyrins and an Intervening Bis(dipyrrinato)metal Complex. <i>Inorg. Chem.</i> 2003 , <i>42</i> (21), 6629-6647. |
| (Yuan, 2012) | Yuan, L.; Lin, W.; Yang, Y.; Chen, H., A Unique Class of Near-Infrared Functional Fluorescent Dyes with Carboxylic-Acid-Modulated Fluorescence ON/OFF Switching: Rational Design, Synthesis, Optical Properties, Theoretical Calculations, and Applications for Fluorescence Imaging in Living Animals. <i>Journal of the American Chemical Society</i> 2012 , <i>134</i> (2), 1200-1211. |
| (Yuasa, 2013) | Yuasa, J.; Dan, M.; Kawai, T., Phosphorescent Properties of Metal-Free Diphosphine Ligands and Effects of Copper Binding. <i>Dalton Trans.</i> 2013 , <i>42</i> (45), 16096-16101. |
| (Zakerhamidi, 2014) | Zakerhamidi, M. S.; Golghasemi Sorkhabi, S.; Shamkhali, A. N., Polar and Low Polar Solvents Media Effect on Dipole Moments of Some Diazo Sudan Dyes. <i>Spectrochim. Acta A</i> 2014 , <i>127</i> , 340-348. |
| (Zakharova, 2016) | Zakharova, G. V.; Konstantinov, R. R.; Odinokov, A. V.; Chibisov, A. K.; Alfimov, M. V.; Kasheverov, I. E.; Utkin, Y. N.; Zhmak, M. N.; Tsetlin, V. I., Effect of a Peptide Modeling the Nicotinic Receptor Binding Site on the Spectral and Luminescent Properties of Dye Complexes with Cucurbit[8]uril. <i>High Energy Chem.</i> 2016 , <i>50</i> (2), 121-126. |
| (Zapesochnaya, 2002) | Zapesochnaya, G. G.; Kurkin, V. A.; Braslavskii, V. B.; Filatova, N. V., Phenolic Compounds of <i>Salix acutifolia</i> Bark. <i>Chem. Nat. Compd.</i> 2002 , <i>38</i> (4), 314-318. |
| (Zass, 1980) | Zass, E.; Isenring, H. P.; Etter, R.; Eschenmoser, A., Der Einbau van Magnesium in Liganden der Chlorophyll-Reihe mit (2,6-Di- <i>t</i> -butyl-4-methylphenoxy)magnesiumjodide. <i>Helv. Chim. Acta</i> 1980 , <i>63</i> (4), 1048-1067. |
| (Zawadzki, | Zawadzki, M. E.; Ellis, A. B., Silica Gel Mediated Photoisomerization of Retinal Isomers and Comparisons with Other Forms |

| | |
|---------------------|--|
| (1983) | of Environmental Perturbation. <i>J Org Chem</i> 1983 , <i>48</i> (19), 3156-3161. |
| (Zechmeister, 1943) | Zechmeister, L.; Polgar, A., <i>cis-trans</i> Isomerization and Spectral Characteristics of Carotenoids and some Related Compounds. <i>Journal of the American Chemical Society</i> 1943 , <i>65</i> , 1522-1528. |
| (Zenkevich, 1996) | Zenkevich, E.; Sagun, E.; Knyukshto, V.; Shulga, A.; Mironov, A.; Efremova, O.; Bonnett, R.; Songca, S. P.; Kassem, M., Photophysical and Photochemical Properties of Potential Porphyrin and Chlorin Photosensitizers for PDT. <i>J Photoch Photobio B</i> 1996 , <i>33</i> (2), 171-180. |
| (Zhang, 2008) | Zhang, D.; Lanier, S. M.; Downing, J. A.; Avent, J. L.; Lum, J.; McHale, J. L., Betalain Pigments for Dye-Sensitized Solar Cells. <i>J. Photoch. Photobio. A</i> 2008 , <i>195</i> (1), 72-80. |
| (Zhang, 2009) | Zhang, H.-M.; Wang, Y.-Q.; Jiang, M.-L., A Fluorimetric Study of the Interaction of C.I. Solvent Red 24 with Haemoglobin. <i>Dyes Pigments</i> 2009 , <i>82</i> (2), 156-163. |
| (Zhang, 2007) | Zhang, L.; Dong, S.; Zhu, L., Fluorescent Dyes of the Esculetin and Alizarin Families Respond to Zinc Ions Ratiometrically. <i>Chem. Commun.</i> 2007 , <i>(19)</i> , 1891-1893. |
| (Zhang, 2010) | Zhang, Y.; Wang, J.; Jia, P.; Yu, X.; Liu, H.; Liu, X.; Zhao, N.; Huang, B., Two-Photon Fluorescence Imaging of DNA in Living Plant Turbid Tissue with Carbazole Dicationic Salt. <i>Org. Biomol. Chem.</i> 2010 , <i>8</i> (20), 4582-4588. |
| (Zhao, 2013) | Zhao, F.; Zhang, H.; Hu, H.; Zhang, G.; Yang, K.; Liu, R.; Li, H.; Liu, Y.; Liu, Z.; Kang, Z., Lead–Vitamin Complex [Pb(C ₁₉ H ₁₅ N ₇ O ₆)]·4H ₂ O and Its Application in Bioimaging. <i>Inorg. Chem. Commun.</i> 2013 , <i>29</i> , 165-168. |
| (Zheng, 2002) | Zheng, G.; Li, H.; Zhang, M.; Lund-Katz, S.; Chance, B.; Glickson, J. D., Low-Density Lipoprotein Reconstituted by Pyropheophorbide Cholestryloleate as Target-Specific Photosensitizer. <i>Bioconjugate Chemistry</i> 2002 , <i>13</i> (3), 392-396. |
| (Zhigalova, 1985) | Zhigalova, E. B.; Morozova, Y. P., Spectral Properties of Oxazine Dyes and Their Protonated Forms. <i>Zh. Fiz. Khim.</i> 1985 , <i>59</i> (7), 1712-1715. |
| (Zimmerman, 1958) | Zimmerman, G.; Chow, L.-y.; Paik, U.-j., The Photochemical Isomerization of Azobenzene. <i>Journal of the American Chemical Society</i> 1958 , <i>80</i> (14), 3528-3531. |
| (Zollinger, 1991) | Zollinger, H., <i>Color Chemistry: Syntheses, Properties, and Applications of Organic Dyes and Pigments</i> . VCH: Weinheim, Germany, 1991. |
| (Zwicker, 1963) | Zwicker, E. F.; Grossweiner, L. I., Transient Measurements of Photochemical Processes in Dyes. II. The Mechanism of the Photosensitized Oxidation of Aqueous Phenol by Eosin. <i>Journal of Physical Chemistry</i> 1963 , <i>67</i> (3), 549-555. |