Jacek Waluk

List of Publications by Year
in descending order

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285	7,367	46918	98622
papers	citations	47 h-index	67 g-index

303	303	303	5480
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlling intramolecular hydrogen transfer in a porphycene molecule with single atoms or molecules located nearby. Nature Chemistry, 2014, 6, 41-46.	6.6	204
2	Hydrogen-Bonding-Induced Phenomena in Bifunctional Heteroazaaromatics. Accounts of Chemical Research, 2003, 36, 832-838.	7.6	185
3	Electronic states of porphycenes. Journal of the American Chemical Society, 1991, 113, 5511-5527.	6.6	142
4	Detection of Hepatitis B virus antigen from human blood: SERS immunoassay in a microfluidic system. Biosensors and Bioelectronics, 2015, 66, 461-467.	5.3	132
5	Spectroscopy and Tautomerization Studies of Porphycenes. Chemical Reviews, 2017, 117, 2447-2480.	23.0	130
6	Solvent-Controlled Excited State Behavior:â€‰ 2-(2â€˜-Pyridyl)indoles in Alcohols. Journal of the American Chemical Society, 1996, 118, 3508-3518.	6.6	116
7	Force-induced tautomerization in a single molecule. Nature Chemistry, 2016, 8, 935-940.	6.6	111
8	Nanostructured silverâ€“gold bimetallic SERS substrates for selective identification of bacteria in human blood. Analyst, The, 2014, 139, 1037.	1.7	110
9	Ground- and Excited-State Tautomerism in Porphycenes. Accounts of Chemical Research, 2006, 39, 945-952.	7.6	103
10	Thermally and Vibrationally Induced Tautomerization of Single Porphycene Molecules on a Cu(110) Surface. Physical Review Letters, 2013, 111, 246101.	2.9	93
11	Perimeter model and magnetic circular dichroism of porphyrin analogs. Journal of Organic Chemistry, 1991, 56, 2729-2735.	1.7	92
12	Electronic states of the phenoxyl radical. Journal of Chemical Physics, 2001, 115, 9733-9738.	1.2	82
13	Vibrational Gating of Double Hydrogen Tunneling in Porphycene. Journal of the American Chemical Society, 2007, 129, 1335-1341.	6.6	82
14	An Experimental Test of Câ^'N Bond Twisting in the TICT State: Synâ^'Anti Photoisomerization in 2-(N-Methyl-N-isopropylamino)-5-cyanopyridine. Journal of the American Chemical Society, 2002, 124, 2406-2407.	6.6	76
15	Vibrations of the Phenoxyl Radical. Journal of the American Chemical Society, 2001, 123, 11253-11261.	6.6	75
16	SERS-based Immunoassay in a Microfluidic System for the Multiplexed Recognition of Interleukins from Blood Plasma: Towards Picogram Detection. Scientific Reports, 2017, 7, 10656.	1.6	75
17	Imaging of Tautomerism in a Single Molecule. Journal of the American Chemical Society, 2005, 127, 5302-5303.	6.6	74
18	Excited-State Proton Transfer through Water Bridges and Structure of Hydrogen-Bonded Complexes in 1H-Pyrrolo[3,2-h]quinoline:â€‰ Adiabatic Time-Dependent Density Functional Theory Study. Journal of Physical Chemistry A, 2006, 110, 11958-11967.	1.1	74

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19	Excited charge transfer states in 4-aminopyrimidines, 4-(dimethylanilino)pyrimidine and 4-(dimethylamino)pyridne. Chemical Physics, 1994, 188, 247-265.	0.9	73
20	Inverted Sapphyrin:Â A New Family of Doubly N-Confused Expanded Porphyrins. Journal of the American Chemical Society, 2006, 128, 12640-12641.	6.6	73
21	Hot Carrier-Induced Tautomerization within a Single Porphycene Molecule on Cu(111). ACS Nano, 2015, 9, 7287-7295.	7.3	72
22	Spectroscopy of doubly hydrogen-bonded 7-azaindole. Reinvestigation of the excited state reaction. Journal of Luminescence, 1984, 29, 65-81.	1.5	71
23	Effective electronegativities of phosphorus, arsenic, and antimony in a .pi. system. Evidence from magnetic circular dichroism. Organometallics, 1989, 8, 2804-2808.	1.1	70
24	Metal Complexes of Porphycene, Corrphycene, and Hemiporphycene: Stability and Coordination Chemistry. Chemistry - A European Journal, 2002, 8, 3485.	1.7	69
25	Fourier transform fluorescence and phosphorescence of porphine in rare gas matrixes. The Journal of Physical Chemistry, 1991, 95, 1963-1969.	2.9	67
26	Direct Observation of Photoinduced Tautomerization in Single Molecules at a Metal Surface. Nano Letters, 2016, 16, 1034-1041.	4.5	67
27	Proton tunnelling in porphycene seeded in a supersonic jet. Chemical Physics Letters, 1998, 296, 549-556.	1.2	65
28	Highly reproducible, stable and multiply regenerated surface-enhanced Raman scattering substrate for biomedical applications. Journal of Materials Chemistry, 2011, 21, 8662.	6.7	65
29	Solvent-Inducedsynâ^'antiRotamerization of 2-(2â€˜-Pyridyl)indole and the Structure of its Alcohol Complexes. Journal of the American Chemical Society, 2000, 122, 2818-2827.	6.6	64
30	Unusual, Solvent Viscosity-Controlled Tautomerism and Photophysics: Meso-Alkylated Porphycenes. Journal of the American Chemical Society, 2010, 132, 13472-13485.	6.6	63
31	Evidence for Two Forms, Double Hydrogen Tunneling, and Proximity of Excited States in Bridge-Substituted Porphycenes:Â Supersonic Jet Studies. Journal of the American Chemical Society, 2006, 128, 2577-2586.	6.6	61
32	Mode-Selective Excited-State Proton Transfer in 2-(2â€˜-Pyridyl)pyrrole Isolated in a Supersonic Jet. Journal of the American Chemical Society, 2007, 129, 2738-2739.	6.6	61
33	Role of Ground State Structure in Photoinduced Tautomerization in Bifunctional Proton Donorâ^'Acceptor Molecules:Â 1H-Pyrrolo[3,2-h]quinoline and Related Compounds. Journal of the American Chemical Society, 1999, 121, 11179-11188.	6.6	60
34	Groundâ€•and Excitedâ€•State Tautomerization Rates in Porphycenes. Chemistry - A European Journal, 2009, 15, 4851-4856.	1.7	60
35	Tetrazete (N4). Can it be prepared and observed?. Chemical Physics Letters, 2000, 328, 227-233.	1.2	59
36	Fluorescence Quenching by Pyridine and Derivatives Induced by Intermolecular Hydrogen Bonding to Pyrrole-Containing Heteroaromaticsâ€. Journal of Physical Chemistry A, 2002, 106, 2158-2163.	1.1	58

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37	Vibrations of nitrous oxide: Matrix isolation Fourier transform infrared spectroscopy of twelve N2O isotopomers. Journal of Chemical Physics, 2001, 115, 1757-1764.	1.2	57
38	Molecular Dynamics and DFT Studies of Intermolecular Hydrogen Bonds between Bifunctional Heteroazaaromatic Molecules and Hydroxylic Solvents. Journal of Physical Chemistry A, 2000, 104, 9542-9555.	1.1	55
39	Proton transfer with a twist? Femtosecond Dynamics of 7â€(2â€pyridyl)indole in Condensed Phase and in Supersonic Jets. Angewandte Chemie - International Edition, 2008, 47, 6037-6040.	7.2	54
40	Site-population conserving and site-population altering photo-orientation of matrix-isolated free-base porphine by double proton transfer: IR dichroism and vibrational symmetry assignments. Chemical Physics, 1989, 136, 165-180.	0.9	50
41	Distance Dependence of Excited-State Double Proton Transfer in Porphycenes Studied by Fluorescence Polarization. The Journal of Physical Chemistry, 1994, 98, 4530-4535.	2.9	50
42	Mechanisms of fluorescence quenching by hydrogen bonding in various aza aromatics. Journal of Photochemistry and Photobiology A: Chemistry, 1994, 80, 157-160.	2.0	50
43	Intermolecular Excited State Double Proton Transfer in Dipyridocarbazole:Alcohol Complexes. Journal of Physical Chemistry A, 1997, 101, 5839-5845.	1.1	50
44	Modeâ€Selective Promotion and Isotope Effects of Concerted Doubleâ€Hydrogen Tunneling in Porphycene Embedded in Superfluid Helium Nanodroplets. ChemPhysChem, 2009, 10, 761-765.	1.0	50
45	Surface-enhanced Raman spectroscopy introduced into the International Standard Organization (ISO) regulations as an alternative method for detection and identification of pathogens in the food industry. Analytical and Bioanalytical Chemistry, 2017, 409, 1555-1567.	1.9	49
46	Direct Observation of Double Hydrogen Transfer via Quantum Tunneling in a Single Porphycene Molecule on a Ag(110) Surface. Journal of the American Chemical Society, 2017, 139, 12681-12687.	6.6	49
47	(Sub)picosecond Fluorescence Upconversion Studies of Intermolecular Proton Transfer of Dipyrido[2,3-a:3â€˛,2â€˛-i]carbazole and Related Compounds. Journal of Physical Chemistry A, 2000, 104, 7167-7175.	1.1	47
48	Detection and identification of human fungal pathogens using surface-enhanced Raman spectroscopy and principal component analysis. Analytical Methods, 2016, 8, 8427-8434.	1.3	47
49	Viscosity vs. temperature effects in excited-state double proton transfer. Comparison of 1-azacarbazole with 7-azaindole. The Journal of Physical Chemistry, 1984, 88, 1160-1162.	2.9	46
50	Excited-state double proton transfer in 1-azacarbazole-alcohol complexes. The Journal of Physical Chemistry, 1986, 90, 3868-3871.	2.9	46
51	Polarized Spectroscopy Studies of Single Molecules of Porphycenes: Tautomerism and Orientation. Journal of Physical Chemistry C, 2009, 113, 11514-11519.	1.5	45
52	Substituent and Solvent Effects on the Excited State Deactivation Channels in Anils and Boranils. Chemistry - A European Journal, 2015, 21, 1312-1327.	1.7	45
53	Excited-state double proton transfer in the solid state: the dimers of 1-azacarbazole. The Journal of Physical Chemistry, 1986, 90, 3866-3868.	2.9	44
54	FT visible absorption spectroscopy of porphine in noble gas matrices. Journal of Molecular Spectroscopy, 1990, 140, 373-389.	0.4	43

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55	Evidence for Dominant Role of Tunneling in Condensed Phases and at High Temperatures: Double Hydrogen Transfer in Porphycenes. Journal of Physical Chemistry Letters, 2016, 7, 283-288.	2.1	43
56	Intra- and intermolecular fluorescence quenching in 7-(pyridyl)indoles. Chemical Physics Letters, 2004, 400, 379-383.	1.2	42
57	Detection and Structural Characterization of Clusters with Ultrashort-Lived Electronically Excited States:Â IR Absorption Detected by Femtosecond Multiphoton Ionization. Journal of the American Chemical Society, 2006, 128, 10000-10001.	6.6	42
58	Quenching of fluorescence of 2-(2â€²-pyridyl) indoles upon complexation with alcohols. Chemical Physics Letters, 1992, 195, 556-562.	1.2	41
59	Polarized Infrared Spectra of Photooriented Matrix-Isolated Free-Base Porphyrin Isotopomers. The Journal of Physical Chemistry, 1995, 99, 14254-14260.	2.9	41
60	Vibrations and hydrogen bonding in porphycene. Physical Chemistry Chemical Physics, 2012, 14, 5489.	1.3	41
61	Electrospun polymer mat as a SERS platform for the immobilization and detection of bacteria from fluids. Analyst, The, 2014, 139, 5061-5064.	1.7	41
62	Photoinduced Double Proton Transfer: Interâ€•and Intramolecular Cases. Israel Journal of Chemistry, 1999, 39, 309-318.	1.0	40
63	On the Origin of Radiationless Transitions in Porphycenes. Journal of Physical Chemistry A, 2009, 113, 7714-7716.	1.1	40
64	Tautomerism in Porphycenes: Analysis of Rate-Affecting Factors. Journal of Physical Chemistry B, 2015, 119, 2292-2301.	1.2	40
65	Rapid detection and identification of bacterial meningitis pathogens in ex vivo clinical samples by SERS method and principal component analysis. Analytical Methods, 2016, 8, 4521-4529.	1.3	38
66	Plasmon-Mediated Surface Engineering of Silver Nanowires for Surface-Enhanced Raman Scattering. Journal of Physical Chemistry Letters, 2017, 8, 2774-2779.	2.1	38
67	Improved Method of Fluorescence Quantum Yield Determination. Analytical Chemistry, 2017, 89, 8650-8655.	3.2	38
68	Spectroscopy and Photophysics of Tetraalkyldibenzoporphycenes. Journal of Physical Chemistry A, 1998, 102, 4966-4971.	1.1	37
69	Electronic Spectra of Porphycenes in Rare Gas and Nitrogen Matrices. Journal of Physical Chemistry A, 1998, 102, 9999-10006.	1.1	37
70	Partitioning and Localization of Environment-Sensitive 2-(2â€²-Pyridyl)- and 2-(2â€²-Pyrimidyl)-Indoles in Lipid Membranes: A Joint Refinement Using Fluorescence Measurements and Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2010, 114, 13574-13584.	1.2	36
71	Electronic Structure, Spectra, and Magnetic Circular Dichroism of Cyclohexa-, Cyclohepta-, and Cyclooctapyrrole. Chemistry - A European Journal, 2005, 11, 4179-4184.	1.7	35
72	Separation of Different Hydrogen-Bonded Clusters by Femtosecond UV-Ionization-Detected Infrared Spectroscopy:â€‰ 1H-Pyrrolo[3,2-h]quinolineÂ·(H2O)n=1,2 Complexes. Journal of Physical Chemistry A, 2008, 112, 1150-1156.	1.1	35

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73	Fluorescence quenching in cyclic hydrogen-bonded complexes of 1H-pyrrolo[3,2-h]quinoline with methanol: cluster size effect. Physical Chemistry Chemical Physics, 2007, 9, 3276.	1.3	34
74	Conformational equilibria and photoinduced tautomerization in 2-(2â€²-pyridyl)pyrrole. Chemical Physics Letters, 2004, 400, 279-285.	1.2	33
75	Ground and Excited State Double Hydrogen Transfer in Symmetric and Asymmetric Potentials: Comparison of 2,7,12,17â€Tetraâ€nâ€propylporphycene with 9â€Acetoxyâ€2,7,12,17â€tetraâ€nâ€propylporphycene. Chemistry - A European Journal, 2011, 17, 3672-3678.	1.7	32
76	Near-Field Enhanced Photochemistry of Single Molecules in a Scanning Tunneling Microscope Junction. Nano Letters, 2018, 18, 152-157.	4.5	32
77	Electronic states of symmetrically disubstituted s-tetrazines. Chemical Physics, 1995, 200, 201-213.	0.9	31
78	Ground and excited state tautomerization in 9-acetoxy-2,7,12,17-tetra-n-propylporphycene. Chemical Physics Letters, 2000, 323, 534-541.	1.2	31
79	Efficient synthesis of porphycene. Journal of Porphyrins and Phthalocyanines, 2007, 11, 596-600.	0.4	31
80	7-Hydroxyquinoline-8-carbaldehydes. 1. Ground- and Excited-State Long-Range Prototropic Tautomerization. Journal of Physical Chemistry A, 2013, 117, 9127-9146.	1.1	31
81	Ground state structures of molecules ?prepared? for phototautomerization: 2,2?-bipyridyl-3,3?-diol and 2,2?-bipyridyl-3-ol. Journal of Crystallographic and Spectroscopic Research, 1992, 22, 563-572.	0.3	30
82	Matrix-isolated products of cyanoacetylene dissociation. Journal of Molecular Structure, 1997, 408-409, 473-476.	1.8	30
83	Michael Kasha: From Photochemistry and Flowers to Spectroscopy and Music. Angewandte Chemie - International Edition, 2014, 53, 14316-14324.	7.2	30
84	Antimicrobial photodynamic therapy by means of porphycene photosensitizers. Journal of Photochemistry and Photobiology B: Biology, 2017, 174, 84-89.	1.7	29
85	Quantum tunneling in real space: Tautomerization of single porphycene molecules on the (111) surface of Cu, Ag, and Au. Journal of Chemical Physics, 2018, 148, 102330.	1.2	29
86	Raman Spectrum of the Phenyl Radical. Journal of Physical Chemistry A, 2001, 105, 10520-10524.	1.1	28
87	Carâ˜Parrinello Molecular Dynamics Study of the Intramolecular Vibrational Mode-Sensitive Double Proton-Transfer Mechanisms in Porphycene. Journal of Physical Chemistry A, 2010, 114, 2313-2318.	1.1	28
88	The long and winding road to new porphycenes. Journal of Porphyrins and Phthalocyanines, 2012, 16, 589-602.	0.4	28
89	Spectroscopic Study of Jet-Cooled Deuterated Porphycenes: Unusual Isotopic Effects on Proton Tunneling. Journal of Physical Chemistry B, 2015, 119, 2193-2203.	1.2	28
90	Highly efficient SERS-based detection of cerebrospinal fluid neopterin as a diagnostic marker of bacterial infection. Analytical and Bioanalytical Chemistry, 2016, 408, 4319-4327.	1.9	28

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91	Polymer mat prepared via Forcespinningâ„¢ as a SERS platform for immobilization and detection of bacteria from blood plasma. Materials Science and Engineering C, 2017, 71, 345-350.	3.8	28
92	Spectroscopy and Photophysics of a Highly Nonplanar Expanded Porphyrin: 4,9,13,18,22,27-Hexaethyl-5,8,14,17,23,26-hexamethyl-2,11,20-triphenylrosarin. Chemistry - A European Journal, 1999, 5, 3039-3045.	1.7	27
93	Red edge excitation study of cooperative double proton transfer in 7-azaindole. Journal of Luminescence, 1981, 24-25, 519-522.	1.5	26
94	Determination of the energy barrier origin of the excited state double proton transfer in 7-azaindole: Alcohol complexes. Journal of Molecular Structure, 1984, 114, 329-332.	1.8	26
95	Transition moment directions and molecular structure of some p-cyano-N,N-dimethylaniline derivatives. Chemical Physics, 1989, 138, 105-113.	0.9	26
96	From Bifunctional Nucleophilic Behavior of DBU to a New Heterocyclic Fluorescent Platform. Organic Letters, 2006, 8, 4747-4750.	2.4	26
97	Unusually Slow Intermolecular Proton-Deuteron Exchange in Porphycene. Zeitschrift Fur Physikalische Chemie, 2008, 222, 1165-1173.	1.4	26
98	Electronic states of chrysene: linear and magnetic circular dichroism and quantum chemical calculations. The Journal of Physical Chemistry, 1990, 94, 1800-1806.	2.9	25
99	Electronic spectra and symmetry of metalloporphyrins in low-temperature rare gas and nitrogen matrices. Chemical Physics Letters, 1997, 272, 405-411.	1.2	25
100	Three Modes of Proton Transfer in One Chromophore: Photoinduced Tautomerization in 2â€(1Hâ€Pyrazolâ€5â€yl)Pyridines, Their Dimers and Alcohol Complexes. ChemPhysChem, 2012, 13, 3661-3671.	1.0	25
101	Arresting Tautomerization in a Single Molecule by the Surrounding Polymer: 2,7,12,17-Tetraphenyl Porphycene. Journal of Physical Chemistry Letters, 2013, 4, 3967-3971.	2.1	25
102	Vibrations of porphycene in the S and S1 electronic states: Single vibronic level dispersed fluorescence study in a supersonic jet. Journal of Chemical Physics, 2013, 138, 174201.	1.2	25
103	Single molecule Raman spectra of porphycene isotopologues. Nanoscale, 2016, 8, 3337-3349.	2.8	25
104	Modification of photophysical behaviour by hydrogen bonding: Indoloquinoxaline and its methylated derivatives. Chemical Physics Letters, 1987, 133, 368-372.	1.2	24
105	The structure of the phototransformation product of monothiodibenzoylmethane. Chemical Physics Letters, 2001, 350, 502-508.	1.2	24
106	Magnetic Circular Dichroism of Octaethylcorrphycene and Its Doubly Protonated and Deprotonated Forms. Journal of Physical Chemistry A, 2002, 106, 8139-8145.	1.1	24
107	Spectroscopic and microscopic investigations of tautomerization in porphycenes: condensed phases, supersonic jets, and single molecule studies. Physical Chemistry Chemical Physics, 2017, 19, 4921-4937.	1.3	24
108	Excited-state intramolecular proton transfer in anthralin.. Chemical Physics Letters, 1998, 291, 51-56.	1.2	23

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109	From purely organic to metallo-organic chiral magnetic materials. Polyhedron, 2003, 22, 2349-2354.	1.0	23
110	Tautomerization in 2,7,12,17â€Tetraphenylporphycene and 9â€Aminoâ€2,7,12,17â€tetraphenylporphycene: Influence of Asymmetry on the Direction of the Transition Moment. Chemistry - A European Journal, 2012, 18, 13160-13167.	1.7	23
111	The dynamics and origin of the unrelaxed fluorescence of free-base tetraphenylporphyrin. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 234, 100-106.	2.0	23
112	Intramolecular charge-transfer properties of a molecule with a large donor group: the case of 4â€²-(pyren-1-yl)benzonitrile. Physical Chemistry Chemical Physics, 2002, 4, 4334-4339.	1.3	22
113	Photoinduced double proton transfer in water complexes of 1H-pyrrolo[3,2-h]quinoline and dipyrido[2,3-a:3â€²,2â€²-i]carbazole. Chemical Physics Letters, 2002, 366, 329-335.	1.2	22
114	Structure and Photophysics of 2-(2â€˜-Pyridyl)benzindoles:â€‰ The Role of Intermolecular Hydrogen Bonds. Journal of Physical Chemistry A, 2007, 111, 11400-11409.	1.1	22
115	A complete determination of transition moment directions from fluorescence spectroscopy and IR and UV linear dichroism: 1,2-benzanthracene. Chemical Physics Letters, 1987, 135, 515-520.	1.2	21
116	Electronic states of benzo[a]pyrene. Linear and magnetic circular dichroism, polarized fluorescence, and quantum chemical calculations. Journal of the American Chemical Society, 1992, 114, 1942-1949.	6.6	21
117	Electronic states of diphenyl- and dipyridyl-s-tetrazines: linear and magnetic circular dichroism, and quantum chemical calculations. Chemical Physics, 2000, 254, 135-149.	0.9	21
118	Thioacetylacetone: Structural and Vibrational Assignments. ChemPhysChem, 2004, 5, 495-502.	1.0	21
119	Spectroscopy of doubly hydrogen-bonded 7-azaindole. Reinvestigation of the excited state reaction. Journal of Luminescence, 1984, 29, 65-81.	1.5	20
120	Ground- and excited-state protonation of aminoquinoxalines. The Journal of Physical Chemistry, 1988, 92, 6930-6935.	2.9	20
121	Determination of triplet formation efficiency from kinetic profiles of the ground state recoveryDedicated to Professor Jean Kossanyi on the occasion of his 70th birthday.. Photochemical and Photobiological Sciences, 2003, 2, 267.	1.6	20
122	Distribution and favorable binding sites of pyrroloquinoline and its analogues in a lipid bilayer studied by molecular dynamics simulations. Biophysical Chemistry, 2008, 136, 128-135.	1.5	20
123	On the origin of fluorescence quenching of pyridylindoles by hydroxylic solvents. Photochemical and Photobiological Sciences, 2010, 9, 923-930.	1.6	20
124	Parent, Unsubstituted Hemiporphycene: Synthesis and Properties. Chemistry - A European Journal, 2016, 22, 17311-17320.	1.7	20
125	Nature of Large Temporal Fluctuations of Hydrogen Transfer Rates in Single Molecules. Journal of Physical Chemistry Letters, 2018, 9, 1211-1215.	2.1	20
126	Diversity of excited state deactivation paths in heteroazaaromatics with multiple intermolecular hydrogen bonds. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1998, 102, 469-475.	0.9	19

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127	Electronic and Vibrational Relaxation of Porphycene in Solution. Journal of Physical Chemistry A, 2008, 112, 10753-10757.	1.1	19
128	Goodbye to Quinine in Sulfuric Acid Solutions as a Fluorescence Quantum Yield Standard. Analytical Chemistry, 2019, 91, 5389-5394.	3.2	19
129	Multimode Vibrational Strong Coupling of Methyl Salicylate to a Fabryâ€“PÃ©rot Microcavity. Journal of Physical Chemistry B, 2020, 124, 5709-5716.	1.2	19
130	Proton addition to excited diazaphenanthrenes topology determined molecular properties. Journal of Luminescence, 1980, 21, 277-291.	1.5	18
131	The electronic spectrum of benz[a]anthracene. Linear and magnetic circular dichroism and fluorescence polarization studies. Chemical Physics, 1987, 116, 411-420.	0.9	18
132	Photophysics of trans-stilbene analogues: Indolo[3,2-b]indole and its heterosubstituted sulfur and selenium derivatives. Chemical Physics, 1997, 216, 179-192.	0.9	18
133	Magnetic circular dichroism of neutral and ionic forms of octaethylhemiporphycene. Chemical Physics, 2002, 282, 37-49.	0.9	18
134	Bridging the Gap between Porphyrins and Porphycenes: Substituentâ€Positionâ€Sensitive Tautomerism and Photophysics in mesoâ€Diphenyloctaethylporphyrins. Chemistry - A European Journal, 2011, 17, 10039-10049.	1.7	18
135	Charge density flow as a driving force of distortion in excited protonated azaaromatics. Chemical Physics Letters, 1980, 70, 175-179.	1.2	17
136	Exciton coupling in various substituted aryl-phthalimide bichromophoric systems. Tetrahedron, 1996, 52, 13201-13214.	1.0	17
137	Energy relaxation paths in matrix-isolated excited molecules: Comparison of porphycene with dibenzoporphycenes. Chemical Physics Letters, 2005, 416, 128-132.	1.2	17
138	SERS-based sensor for the detection of sexually transmitted pathogens in the male swab specimens: A new approach for clinical diagnosis. Biosensors and Bioelectronics, 2021, 189, 113358.	5.3	17
139	The nature of the excited states of p-nitro-N,N-dimethylaniline. Journal of Luminescence, 1989, 44, 149-160.	1.5	16
140	Excited states of 4-dimethylaminopyridines: Magnetic circular dichroism and computational studies. Photochemical and Photobiological Sciences, 2003, 2, 187-194.	1.6	16
141	Structure and Hydrogen-Bond Vibrations of Water Complexes of Azaaromatic Compounds: 7-(3â€²-Pyridyl)indole. Journal of Physical Chemistry A, 2010, 114, 3270-3279.	1.1	16
142	Magnetic circular dichroism of cyclic .pi.-electron systems. 21. The trisulfur trinitride anion. Inorganic Chemistry, 1981, 20, 963-965.	1.9	15
143	Molecular dynamics simulations of matrix deposition. I. Site structure analysis for porphyrin in argon and xenon. Journal of Chemical Physics, 2003, 119, 7318-7327.	1.2	15
144	Ultrafast dynamics of alkyl-substituted porphycenes in solution. Chemical Physics Letters, 2006, 422, 142-146.	1.2	15

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145	Tailored gold nanostructure arrays as catalysts for oxygen reduction in alkaline media and a single molecule SERS platform. Nanoscale, 2015, 7, 10767-10774.	2.8	15
146	A probe for substituent hyperconjugative power: MCD (magnetic circular dichroism) of the benzene Lb band. Pure and Applied Chemistry, 1986, 58, 39-53.	0.9	14
147	Solvent-Dependent Photophysics of Indoloquinoxaline. Journal of Molecular Structure, 1986, 142, 159-162.	1.8	14
148	Structure, Electronic States, and Anion-Binding Properties of Cyclo[4]naphthobipyrroles. Journal of Physical Chemistry A, 2014, 118, 1038-1046.	1.1	14
149	In Search for the Best Environment for Single Molecule Studies: Photostability of Single Terrylenediimide Molecules in Various Polymer Matrices. Journal of Physical Chemistry Letters, 2015, 6, 2477-2482.	2.1	14
150	Resonance Raman spectroscopy study of protonated porphyrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 350-355.	2.0	14
151	Scouting for strong lightâ€“matter coupling signatures in Raman spectra. Physical Chemistry Chemical Physics, 2021, 23, 16837-16846.	1.3	14
152	ELECTRONIC ABSORPTION PROPERTIES OF SYMMETRICAL DIALKOXYANTHRACENES. LINEAR DICHROISM AND MAGNETIC CIRCULAR DICHROISM*. Photochemistry and Photobiology, 1992, 55, 335-347.	1.3	13
153	Electronic transition moment directions and tautomerization of 9,10,19,20-tetra-n-propylporphycene. Chemical Physics Letters, 1997, 271, 341-348.	1.2	13
154	Title is missing!. Journal of Fluorescence, 2000, 10, 41-48.	1.3	13
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