

# Javier Cataln

## List of Publications by Citations

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155  
ext. papers

5,263  
ext. citations

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L-index

#	Paper	IF	Citations
148	Toward a generalized treatment of the solvent effect based on four empirical scales: dipolarity (SDP, a new scale), polarizability (SP), acidity (SA), and basicity (SB) of the medium. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 5951-60	3.4	466
147	Photoinduced intramolecular proton transfer as the mechanism of ultraviolet stabilizers: a reappraisal. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 747-759	16.4	178
146	Progress towards a generalized solvent polarity scale: The solvatochromism of 2-(dimethylamino)-7-nitrofluorene and its homomorph 2-fluoro-7-nitrofluorene. <i>Liebigs Annalen</i> , <b>1995</b> , 1995, 241-252		173
145	Basicity and Acidity of Azoles. <i>Advances in Heterocyclic Chemistry</i> , <b>1987</b> , 187-274	2.4	161
144	A Generalized Solvent Basicity Scale: The Solvatochromism of 5-Nitroindoline and Its Homomorph 1-Methyl-5-nitroindoline. <i>Liebigs Annalen</i> , <b>1996</b> , 1996, 1785-1794		159
143	Characterization of binary solvent mixtures of DMSO with water and other cosolvents. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 5846-52	4.2	153
142	A Generalized Solvent Acidity Scale: The Solvatochromism of o-tert-Butylstilbazolium Betaine Dye and Its Homomorph o,o'-Di-tert-butylstilbazolium Betaine Dye. <i>Liebigs Annalen</i> , <b>1997</b> , 1997, 1941-1949		132
141	Empirical Treatment of the Inductive and Dispersive Components of Solute-Solvent Interactions: The Solvent Polarizability (SP) Scale. <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 4694-4702	3.2	123
140	New ultraviolet stabilizers: 3- and 5-(2'-hydroxyphenyl)pyrazoles. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 5039-5048	16.4	118
139	Basicity and acidity of azoles: the annelation effect in azoles. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 4105-4111	16.4	112
138	Tautomerism and aromaticity in 1,2,3-triazoles: the case of benzotriazole. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 7348-7353	16.4	104
137	Analysis of the solvent effect on the photophysics properties of 6-propionyl-2-(dimethylamino)naphthalene (PRODAN). <i>Journal of Fluorescence</i> , <b>1991</b> , 1, 215-23	2.4	101
136	Electrostatic proximity effects in the relative basicities and acidities of pyrazole, imidazole, pyridazine, and pyrimidine. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 3237-3239	16.4	100
135	Toward the photostability mechanism of intramolecular hydrogen bond systems. The photophysics of 1'-hydroxy-2'-acetonaphthone. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 4321-4325	16.4	98
134	Generalized solvent scales as a tool for investigating solvent dependence of spectroscopic and kinetic parameters. Application to fluorescent BODIPY dyes. <i>Photochemical and Photobiological Sciences</i> , <b>2010</b> , 9, 996-1008	4.2	92
133	Fluorescence of fullerenes (C60 and C70). <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 9249-9252	16.4	85
132	Photophysics of 7-Azaindole, Its Doubly-H-Bonded Base-Pair, and Corresponding Proton-Transfer-Tautomer Dimeric Species, via Defining Experimental and Theoretical Results. <i>Journal of Physical Chemistry A</i> , <b>2000</b> , 104, 10812-10820	2.8	80

131	The Six-Membered Intramolecular Hydrogen Bond Position as a Switch for Inducing an Excited State Intramolecular Proton Transfer (ESIPT) in Esters of o-Hydroxynaphthoic Acids. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 10921-10934	2.8	68
130	Extending the Solvent Acidity Scale to Highly Acidic Organic Solvents: The Unique Photophysical Behaviour of 3,6-Diethyltetrazine. <i>European Journal of Organic Chemistry</i> , <b>1999</b> , 1999, 885-891	3.2	67
129	Toward a solvent basicity scale: the calorimetry of the pyrrole probe. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 1678-1681	16.4	62
128	Influence of Lone Pair Repulsion vs Resonance Energy on the Relative Stabilities of Molecular Structures: A Theoretical Approach to the Equilibrium between 1H- and 2H-Benzotriazole Tautomers. <i>Journal of Organic Chemistry</i> , <b>1994</b> , 59, 2799-2802	4.2	60
127	Acidity and Basicity of Indazole and its N-Methyl Derivatives in the Ground and in the Excited State. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 10606-10612		59
126	On the molecular structure and UV/vis spectroscopic properties of the solvatochromic and thermochromic pyridinium-N-phenolate betaine dye B30. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 6226-6234	2.8	58
125	Solvent dipolarity/polarizability (SPP) of alcoholic solvents. <i>Liebigs Annalen</i> , <b>1995</b> , 1995, 793-795		57
124	The concerted mechanism of photo-induced biprotonic transfer in 7-azaindole dimers: a model for the secondary evolution of the classic C2h dimer and comparison of four mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 5799-803	11.5	52
123	The concerted mechanism of photo-induced biprotonic transfer in 7-azaindole dimers: structure, quantum-theoretical analysis, and simultaneity principles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 5793-8	11.5	51
122	The role of the torsion of the phenyl moiety in the mechanism of stimulated ultraviolet light generation in 2-phenylbenzazoles. <i>Journal of Chemical Physics</i> , <b>1992</b> , 96, 2005-2016	3.9	49
121	Experimental and theoretical study of the R3P+-X- bond. Case of betaines derived from N-iminophosphoranes and alkyl isocyanates. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 355-363	16.4	48
120	Kasha's rule: a reappraisal. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 10061-10069	3.6	47
119	Conformity of the 7-azaindole dimer cationic potential with photoionization/Coulomb-explosion MS observations and the concerted biprotonic transfer mechanism. <i>Chemical Physics Letters</i> , <b>2000</b> , 318, 629-636	2.5	47
118	Importance of aromaticity on the relative stabilities of indazole annular tautomers: an ab initio study. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1996</b> , 57-60		45
117	Spectroscopy of Amplified Spontaneous Emission Laser Spikes in Phenyloxazoles. Prototype Classes. <i>Journal of Physical Chemistry A</i> , <b>1997</b> , 101, 3260-3272	2.8	44
116	Solvatochromism of fluorophores with an intramolecular hydrogen bond and their use as probes in biomolecular cavity sites. <i>International Journal of Quantum Chemistry</i> , <b>1999</b> , 72, 421-438	2.1	44
115	The Colors of C60 Solutions. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 105-107		44
114	The tautomerism of 1,2,3-triazole, 3(5)-methylpyrazole and their cations. <i>Journal of Computational Chemistry</i> , <b>1989</b> , 10, 426-433	3.5	44

113	THE INFLUENCE OF MOLECULAR CONFORMATION ON THE STABILITY OF ULTRAVIOLET STABILIZERS TOWARD DIRECT AND DYE-SENSITIZED PHOTOIRRADIATION: THE CASE OF 2-(2'-HYDROXY-5'-METHYPHENYL)BENZOTRIAZOLE (TIN P). <i>Photochemistry and Photobiology</i> , <b>1995</b> , 61, 118-123	3.6	43
112	N-aminoazoles. Part 2. Basicity and protonation site of N-aminoazoles: an experimental (pKa, <sup>13</sup> C and <sup>15</sup> N NMR spectroscopy and crystallography) and theoretical study. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1993</b> , 1687-1699		42
111	Medium-Controlled Aggregation of trans-Stilbene. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 2377-2378	16.4	39
110	Polarizability effects on the aqueous solution basicity of substituted pyridines. <i>Journal of Organic Chemistry</i> , <b>1988</b> , 53, 1137-1140	4.2	39
109	The singular coincidence of fluorescence spectra of the anionic and cationic species formed by the respective deprotonated and protonated pyridopyrrolo bases. <i>International Journal of Quantum Chemistry</i> , <b>2000</b> , 77, 118-127	2.1	37
108	Structure of benzotriazole in the gas phase: a UV experimental study. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 5276-5277	4.2	37
107	Experimental ( <sup>13</sup> C and <sup>15</sup> N NMR spectroscopy) and theoretical (6B1G) study of the protonation of N-methylazoles and N-methylbenzazoles. <i>Magnetic Resonance in Chemistry</i> , <b>1993</b> , 31, 791-800	2.1	36
106	Characterization of binary solvent mixtures: the water-acetonitrile mixture. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 575-80	3.9	35
105	The structure of N-aminoazoles: an experimental (X-ray and <sup>15</sup> N NMR) and theoretical study. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1990</b> , 237-244		35
104	Basicity of azoles. Part 2. Theoretical study of the basicity of methylpyrazoles and methylimidazoles. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1983</b> , 1869-1874		33
103	The molecular symmetry and electronic spectroscopy of 7-azaindole dimer: its proton-transfer channels. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 114302	3.9	31
102	Analysis of mixed solvent effects on the properties of singlet oxygen ( <sup>1</sup> O <sub>2</sub> ). <i>Chemical Physics</i> , <b>2004</b> , 300, 33-39	2.3	31
101	Photophysical properties of some 2-(2'-hydroxyaryl)benzotriazoles: dramatic effect of an ortho-located bulky tert-butyl group. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 964-966	16.4	31
100	Effect of the replacement of a methyl by a trifluoromethyl group on the acid-base properties of pyrazoles. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 3942-3947	4.2	31
99	An AB initio comparative study of the electronic properties of sulfonamides and amides. <i>Computational and Theoretical Chemistry</i> , <b>1989</b> , 184, 115-129		30
98	A theoretical study of the stereochemistry of the intramolecular hydrogen bond of salicylic acid. <i>Journal of Molecular Structure</i> , <b>1975</b> , 27, 59-65	3.4	30
97	On the dual emission of p-dimethylaminobenzonitrile and its photophysical implications. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 8811-20	3.6	29
96	Inter-ring Torsional Modulation in Molecular Lasers. Ultraviolet Lasing via Amplified Spontaneous Emission Spectroscopy of Phenylimidazoles. <i>Journal of Physical Chemistry A</i> , <b>1997</b> , 101, 5284-5291	2.8	28

95	Thermodynamic basicity vs. kinetic basicity of diazoles (imidazoles and pyrazoles). <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 179-183	4.2	28
94	On the solvatochromism of the $n \leftrightarrow \pi^*$ electronic transitions in ketones. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 4072-82	3.6	27
93	On the photophysics of all-trans polyenes: hexatriene versus octatetraene. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 034306	3.9	26
92	On the Origin of Nonvertical Triplet Excitation Transfer: The Relative Role of Double-Bond and Phenyl-Vinyl Torsions in the Stilbenes. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 6273-6276	2.8	25
91	Analysis of the solvatochromism of 9,9'-biaryl compounds using a pure solvent dipolarity scale. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 4726-34	2.8	24
90	On the inoperativeness of the ESIPT process in the emission of 1-hydroxy-2-acetonaphthone: a reappraisal. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 904-14	2.8	24
89	First reported evidence that solvent polarity induces an $\leftrightarrow$ inversion in the indole chromophore. <i>Chemical Physics Letters</i> , <b>2003</b> , 368, 717-723	2.5	22
88	2-Arylperimidine derivatives. Part 1. Synthesis, NMR spectroscopy, X-ray crystal and molecular structures. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1995</b> , 1389-1398		22
87	Theoretical study of the intramolecular hydrogen bonding in benzene derivatives. <i>Advances in Molecular Relaxation and Interaction Processes</i> , <b>1978</b> , 12, 265-287		22
86	Excited state proton transfer in 3-methyl-7-azaindole dimer. Symmetry control. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 9116-22	2.8	21
85	DFT study of ionization potentials for aza-substituted aromatic rings. <i>International Journal of Quantum Chemistry</i> , <b>2003</b> , 91, 432-437	2.1	21
84	Towards a solvent acidity scale: the calorimetry of the N-methyl imidazole probe. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1992</b> , 1181-1185		21
83	Do stilbazolium betaine dyes exhibit inverted solvatochromism by changes in solvent dipolarity?. <i>Dyes and Pigments</i> , <b>2012</b> , 95, 180-187	4.6	19
82	Basicity of azoles. VII. Basicity of C-aminopyrazoles in relation to tautomeric and protonation studies. <i>Journal of Heterocyclic Chemistry</i> , <b>1985</b> , 22, 997-1000	1.9	19
81	Toward the Photostability Mechanism of Intramolecular Hydrogen Bond Systems. 4. 3(5)-(1'-Hydroxy-2'-naphthyl)pyrazoles and 3(5)-(2'-Hydroxy-1'-naphthyl)pyrazoles. <i>Journal of Organic Chemistry</i> , <b>1995</b> , 60, 3427-3439	4.2	18
80	Basicity of azoles. IV. Empirical relationships between basicity and ionization potential for aromatic five membered rings containing nitrogen or oxygen. <i>Journal of Heterocyclic Chemistry</i> , <b>1984</b> , 21, 269-270 <sup>1-9</sup>		18
79	Prediction of proton affinities and protonation sites using a multivariate linear correlation. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1982</b> , 1409-1418		17
78	Correlation of Solvolysis Rates 50 Years Later. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 6512-6514	4.2	16

77	The Relative Basicities of Imidazole and Benzimidazole. <i>Angewandte Chemie International Edition in English</i> , <b>1983</b> , 22, 323-324		15
76	Activation energy of the two-proton phototautomerism in 7-azaindole dimer and its medium-dependence. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 5666-73	2.8	14
75	Fluorescence spectroscopy and amplified spontaneous emission (ASE) of phenylimidazoles: predicted vibronic coupling along the excited-state intramolecular proton transfer in 2-(2'-hydroxyphenyl)imidazoles. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 5555-65	2.8	14
74	On the photophysics of polyenes. 1. Bathochromic shifts in their 1Ag --> 1Bu electronic transitions caused by the polarizability of the medium. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 5653-7	2.8	14
73	Photophysics of 1-azacarbazole dimers: a reappraisal. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 8774-9	2.8	14
72	Excited-state proton phototransfer in the (3-methyl-7-azaindole)-(7-azaindole) heterodimer. <i>Chemical Physics Letters</i> , <b>2006</b> , 419, 164-167	2.5	14
71	Molecular structure distortions and the MullikenBieke rule: The case of t-stilbene. <i>Chemical Physics Letters</i> , <b>2005</b> , 416, 165-170	2.5	14
70	Electronic energy levels in all-trans long linear polyenes: the case of the 3,20-di(tert-butyl)-2,2,21,21-tetramethyl-all-trans-3,5,7,9,11,13,15,17,19-docosanonaen (ttbp9) conforming to Kasha's rule. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 3915-20	4.8	14
69	Calorimetric quantification of the hydrogen-bond acidity of solvents and its relationship with solvent polarity. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1995</b> , 2301-2305		14
68	Prediction of proton affinities and preferred protonation sites in benzene derivatives, from 1s orbital energies. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1979</b> , 1627-1631		14
67	On the fluorescence of methyl salicylate: the significance of its IMHB. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 8903-9	3.6	13
66	Gas-phase protolysis between a neutral Brønsted acid and a neutral Brønsted base?. <i>Chemical Physics Letters</i> , <b>1998</b> , 293, 511-514	2.5	13
65	Understanding the solvatochromism of 10-hydroxybenzo[h]quinoline. An appraisal of a polarity calibrator. <i>Chemical Physics</i> , <b>2001</b> , 270, 1-12	2.3	13
64	Proton transfer in salicylic acid excited states. <i>Human Development</i> , <b>1976</b> , 8, 87-94		13
63	Can the dipolarity of the medium induce the formation of charge transfer structures? An unexpected finding in the photophysics of DMABN. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 7734-40	2.6	12
62	A spectroscopic rule from the solvatochromism of aromatic solutes in nonpolar solvents. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 5168-76	3.4	12
61	Study of 7-azaindole in its first four singlet states. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 244320	3.9	12
60	Solvatochromism of Sterically Hindered Stilbazolium Betaines and Its Relationship to Reichardt's ET(30) Scale: The Problem of the Measurement of the Polarity vs the Acidity of Alcohols. <i>Chemische Berichte</i> , <b>1993</b> , 126, 2445-2448		12



59	Inversion of the 1B and 2A electronic states of all-trans-1,6-diphenyl-1,3,5-hexatriene in carbon disulfide. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 27099-27104	3.6	11
58	On the concerted mechanism of photo-induced biprotonic transfer in C <sub>2</sub> h 7-azaindole dimer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, E78; author reply E79	11.5	11
57	Chemical physics of excitation dynamics via amplified spontaneous emission (ASE) laser spike spectroscopy in substituted phenyloxazoles. <i>Chemical Physics Letters</i> , <b>1996</b> , 263, 154-160	2.5	11
56	The emission of $\pi$ -diphenylpolyenes: A model involving several molecular structures. <i>Chemical Physics</i> , <b>2007</b> , 335, 69-78	2.3	9
55	On the absorption and emission spectra for the purine chromophore in weakly perturbative environments. <i>Chemical Physics</i> , <b>2004</b> , 303, 205-218	2.3	9
54	Calorimetric study of the effect of N-methylation in azoles: Loss of an active centre of solvation. <i>Journal of Physical Organic Chemistry</i> , <b>1989</b> , 2, 646-652	2.1	9
53	Intrinsic acidities of meta- and para-substituted phenols from calculated molecular properties. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1979</b> , 1632-1636		9
52	Spectroscopy of 1,6-diphenyl-1,3,5-hexatriene (DPH) dissolved in three hexane structural isomers, and its consequences on the photophysical model of polyenes. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 10657-10662	3.6	8
51	Liquid water changes its structure at 43 °C. <i>Chemical Physics Letters</i> , <b>2017</b> , 679, 86-89	2.5	8
50	Photophysics of the 2-(2'-hydroxyphenyl)perimidines: Photostability studies. <i>Journal of Luminescence</i> , <b>1997</b> , 75, 17-26	3.8	8
49	New contributions to the photophysical model for all-trans-polyenes from ttbP4, a nonphotolabile octatetraene. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 104504	3.9	8
48	The first UV absorption band of l-tryptophan is not due to two simultaneous orthogonal electronic transitions differing in the dipole moment. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 15170-6	3.6	7
47	Compounds with $\pi$ (loc) $\rightarrow$ $\pi$ (deloc) electronic transitions and their solvatochromism. <i>Journal of Physical Organic Chemistry</i> , <b>2015</b> , 28, 497-503	2.1	7
46	Questioning the photophysical model for the indole chromophore in the light of evidence obtained by controlling the non-specific effect of the medium with 1-chlorobutane as solvent. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 15022-30	3.6	7
45	On the TICT Mechanism of 9,9'-Biaryl Compounds. <i>European Journal of Organic Chemistry</i> , <b>1998</b> , 1998, 1697-1704	3.2	7
44	On the chromism of polyenes. <i>Chemical Physics Letters</i> , <b>2008</b> , 457, 87-90	2.5	7
43	Comments on Quantifying solvent effects through QSPR: A new look over different model equations. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 298, 111922	6	7
42	On the photophysical model for polyenes: Experimental evidence of the 1,8-diphenylocta-1,3,5,7-tetraene molecule dissolved in n-octane, cyclooctane, and 2,2,4-trimethylpentane. <i>Journal of Physical Organic Chemistry</i> , <b>2018</b> , 31, e3794	2.1	7

41	Fluorosolvatochromism of monomethyl indoles: further evidence in support of a new photophysical model for the indole chromophore. <i>Journal of Physical Organic Chemistry</i> , <b>2015</b> , 28, 329-336 <sup>2,1</sup>	3.1	6
40	Solvation by Glycerol at Temperatures from 353 to 77 K: Its Solvatochromic Characterization and Use to Block the Molecular Structure of Conformationally Flexible Structures. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 7114-7120	2.8	6
39	SOLVENT EFFECTS BASED ON PURE SOLVENT SCALES <b>2014</b> , 581-622		6
38	The first UV absorption band for indole is not due to two simultaneous orthogonal electronic transitions differing in dipole moment. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 12515-20	3.6	5
37	Proton phototransfers in doubly hydrogen bonded dimers: the photophysics of 6,7,8,9-tetrahydro-5H-pyrido[2,3-b]indole dimers. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 811-6	2.8	5
36	The photophysics of all-trans polyenes from ttbP5, a nonphotolabile pentaene. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 014505	3.9	5
35	On the molecular conformation of bisaromatic systems the case of 2-phenyl-2H-benzotriazoles. <i>Chemical Physics</i> , <b>2007</b> , 340, 32-42	2.3	5
34	Polarization of the T1->S0 phosphorescence and S0->Sn phosphorescence excitation of aromatic hydrocarbons prototype for $\pi$ states. A reappraisal. <i>Chemical Physics</i> , <b>2005</b> , 316, 253-259	2.3	5
33	On the relationship between thermodynamic pKa's of azoles and the oxidation potentials of their pentacyanoferrate(II) complexes. <i>Canadian Journal of Chemistry</i> , <b>1990</b> , 68, 958-959	0.9	5
32	Solvatochromism in urea/water and urea-derivative/water solutions. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 25165-25176	3.6	5
31	On the hydrophobic effect in water-alcohol mixtures. <i>Chemical Physics</i> , <b>2019</b> , 527, 110467	2.3	4
30	On the photo-activation of the S0'->S1 transition in polyenes. <i>Journal of Physical Organic Chemistry</i> , <b>2019</b> , 32, e3933	2.1	4
29	On Saltiel's isopolarizability approach and its applicability to diphenylpolyenes. <i>Chemical Physics Letters</i> , <b>2015</b> , 635, 56-59	2.5	4
28	Reply to the comment on "On the dual emission of p-dimethylaminobenzonitrile and its photophysical implications" by J. Catal, <i>Phys. Chem. Chem. Phys.</i> , 2013, 15, 8811-8820. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 16978-9	3.6	4
27	Is the LE->TICT process in the S1 excited state of 9,9'-bisanthracenyl influenced by the viscosity or the dipolarity of the solvent?. <i>Journal of Luminescence</i> , <b>2013</b> , 143, 635-639	3.8	4
26	Molecule 1-Methyl-5-nitroindoline Probes the Structural Change of Liquid Water with Temperature. <i>ACS Omega</i> , <b>2018</b> , 3, 18930-18934	3.9	4
25	On the dual fluorescence of $\pi$ -diphenylpolyenes from five to seven polyene double bonds. <i>Journal of Physical Organic Chemistry</i> , <b>2019</b> , 32, e3906	2.1	3
24	Existence of Two Fluorescence Bands in all- trans-Polyenes with Six and Seven Double Bonds. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 6391-6395	2.8	3



23	On the first electronic transitions in molecular spectra of conjugated diphenylpolyenes: A reappraisal. <i>Chemical Physics</i> , <b>2019</b> , 525, 110422	2.3	3
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