

Luis G Arnaut

List of Publications by Year in descending order

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160
papers

6,827
citations

66234

42
h-index

69108

77
g-index

173
all docs

173
docs citations

173
times ranked

5898
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential of Systemic Anti-Tumor Immunity with Photodynamic Therapy Using Porphyrin Derivatives. Handbook of Porphyrin Science, 2022, , 279-344.	0.3	3
2	Photodynamic disinfection of SARS-CoV-2 clinical samples using a methylene blue formulation. Photochemical and Photobiological Sciences, 2022, 21, 1101-1109.	1.6	18
3	Generation and applications of broadband high-frequency laser ultrasound with nanostructured materials. , 2022, , .		1
4	Photoacoustic delivery and imaging methods in PDT. , 2022, , .		0
5	Synergic dual phototherapy: Cationic imidazolyl photosensitizers and ciprofloxacin for eradication of in vitro and in vivo E. coli infections. Journal of Photochemistry and Photobiology B: Biology, 2022, 233, 112499.	1.7	12
6	Biocompatible ring-deformed indium phthalocyanine label for near-infrared photoacoustic imaging. Inorganica Chimica Acta, 2021, 514, 119993.	1.2	7
7	Imaging of photoacoustic-mediated permeabilization of giant unilamellar vesicles (GUVs). Scientific Reports, 2021, 11, 2775.	1.6	10
8	Singlet Exciton Fission and Associated Enthalpy Changes with a Covalently Linked Bichromophore Comprising TIPS-Pentacenes Held in an Open Conformation. Journal of Physical Chemistry A, 2021, 125, 1184-1197.	1.1	5
9	Photodynamic disinfection and its role in controlling infectious diseases. Photochemical and Photobiological Sciences, 2021, 20, 1497-1545.	1.6	37
10	Immune Responses after Vascular Photodynamic Therapy with Redaporfin. Journal of Clinical Medicine, 2020, 9, 104.	1.0	30
11	Antibacterial Photodynamic Inactivation of Antibiotic-Resistant Bacteria and Biofilms with Nanomolar Photosensitizer Concentrations. ACS Infectious Diseases, 2020, 6, 1517-1526.	1.8	56
12	Lipophilicity of Bacteriochlorin-Based Photosensitizers as a Determinant for PDT Optimization through the Modulation of the Inflammatory Mediators. Journal of Clinical Medicine, 2020, 9, 8.	1.0	32
13	Photoacoustic generation of intense and broadband ultrasound pulses with functionalized carbon nanotubes. Nanoscale, 2020, 12, 20831-20839.	2.8	16
14	Self-sustained oscillations and global climate changes. Scientific Reports, 2020, 10, 11200.	1.6	4
15	Avoiding ventilator-associated pneumonia: Curcumin-functionalized endotracheal tube and photodynamic action. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22967-22973.	3.3	34
16	Necrosis Depth and Photodynamic Threshold Dose with Redaporfin in PDT. Photochemistry and Photobiology, 2020, 96, 692-698.	1.3	10
17	The Photophysical Properties of Triisopropylsilyl-ethynylpentacene: A Molecule with an Unusually Large Singlet-Triplet Energy Gap in Solution and Solid Phases. Chemistry, 2020, 2, 545-564.	0.9	14
18	Enhanced Cellular Uptake and Photodynamic Effect with Amphiphilic Fluorinated Porphyrins: The Role of Sulfoester Groups and the Nature of Reactive Oxygen Species. International Journal of Molecular Sciences, 2020, 21, 2786.	1.8	27

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19	Cell death in photodynamic therapy: From oxidative stress to anti-tumor immunity. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2019, 1872, 188308.	3.3	224
20	Control of the distance between porphyrin sensitizers and the TiO ₂ surface in solar cells by designed anchoring groups. <i>Journal of Molecular Structure</i> , 2019, 1196, 444-454.	1.8	9
21	Photoinactivation of microorganisms with sub-micromolar concentrations of imidazolium metallophthalocyanine salts. <i>European Journal of Medicinal Chemistry</i> , 2019, 184, 111740.	2.6	36
22	Photon momentum transfer at water/air interfaces under total internal reflection. <i>New Journal of Physics</i> , 2019, 21, 033013.	1.2	11
23	Photoacoustic transfection of DNA encoding GFP. <i>Scientific Reports</i> , 2019, 9, 2553.	1.6	10
24	Recruitment of LC3 to damaged Golgi apparatus. <i>Cell Death and Differentiation</i> , 2019, 26, 1467-1484.	5.0	18
25	Translating phototherapeutic indices from in vitro to in vivo photodynamic therapy with bacteriochlorins. <i>Lasers in Surgery and Medicine</i> , 2018, 50, 451-459.	1.1	24
26	One Peptide Reveals the Two Faces of α -Helix Unfolding—Folding Dynamics. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3790-3800.	1.2	16
27	Photodynamic therapy with redaporfin targets the endoplasmic reticulum and Golgi apparatus. <i>EMBO Journal</i> , 2018, 37, .	3.5	81
28	Intradermal Delivery of a Near-Infrared Photosensitizer Using Dissolving Microneedle Arrays. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2439-2450.	1.6	22
29	Split-Face, Randomized, Placebo-Controlled, Double-Blind Study to Investigate Passive Versus Active Dermal Filler Administration. <i>Aesthetic Plastic Surgery</i> , 2018, 42, 1655-1663.	0.5	7
30	Higher activation barriers can lift exothermic rate restrictions in electron transfer and enable faster reactions. <i>Nature Communications</i> , 2018, 9, 2903.	5.8	9
31	Redaporfin induces immunogenic cell death by selective destruction of the endoplasmic reticulum and the Golgi apparatus. <i>Oncotarget</i> , 2018, 9, 31169-31170.	0.8	15
32	Photoinduced Energy and Electron Transfer in Bacteriochlorins. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
33	Ultrafast Dynamics of Manganese(III), Manganese(II), and Free-Base Bacteriochlorin: Is There Time for Photochemistry?. <i>Inorganic Chemistry</i> , 2017, 56, 2677-2689.	1.9	10
34	Photoacoustic Waves as a Skin Permeation Enhancement Method. , 2017, , 175-191.		3
35	Properties of halogenated and sulfonated porphyrins relevant for the selection of photosensitizers in anticancer and antimicrobial therapies. <i>PLoS ONE</i> , 2017, 12, e0185984.	1.1	59
36	Pro-oxidant and Antioxidant Effects in Photodynamic Therapy: Cells Recognise that Not All Exogenous ROS Are Alike. <i>ChemBioChem</i> , 2016, 17, 836-842.	1.3	37

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37	Phthalocyanine Labels for Near-Infrared Fluorescence Imaging of Solid Tumors. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 4688-4696.	2.9	43
38	Synthesis of <i>meso</i> -substituted porphyrins using sustainable chemical processes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 45-60.	0.4	32
39	Can lipid nanoparticles improve intestinal absorption?. <i>International Journal of Pharmaceutics</i> , 2016, 515, 69-83.	2.6	24
40	Design of Pluronic-Based Formulation for Enhanced Redaporfin-Photodynamic Therapy against Pigmented Melanoma. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22039-22055.	4.0	80
41	Engineering of relevant photodynamic processes through structural modifications of metallotetrapyrrolic photosensitizers. <i>Coordination Chemistry Reviews</i> , 2016, 325, 67-101.	9.5	222
42	Intracellular singlet oxygen photosensitizers: on the road to solving the problems of sensitizer degradation, bleaching and relocalization. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 177-193.	0.6	29
43	Assessment of lifetime resolution limits in time-resolved photoacoustic calorimetry vs. transducer frequencies: setting the stage for picosecond resolution. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 204-210.	1.6	9
44	Intravenous Single-Dose Toxicity of Redaporfin-Based Photodynamic Therapy in Rodents. <i>International Journal of Molecular Sciences</i> , 2015, 16, 29236-29249.	1.8	31
45	Dynamics of Radical Ion Pairs following Photoinduced Electron Transfer in Solvents with Low and Intermediate Polarities. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7571-7578.	1.2	7
46	Elimination of primary tumours and control of metastasis with rationally designed bacteriochlorin photodynamic therapy regimens. <i>European Journal of Cancer</i> , 2015, 51, 1822-1830.	1.3	72
47	Photodynamic therapy (PDT) of cancer: from local to systemic treatment. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1765-1780.	1.6	384
48	Towards tuning PDT relevant photosensitizer properties: comparative study for the free and Zn ²⁺ coordinated <i>meso</i> -tetrakis[2,6-difluoro-5-(<i>N</i> -methylsulfamoyl)phenyl]porphyrin. <i>Journal of Coordination Chemistry</i> , 2015, 68, 3116-3134.	0.8	37
49	New hybrid materials based on halogenated metalloporphyrins for enhanced visible light photocatalysis. <i>RSC Advances</i> , 2015, 5, 93252-93261.	1.7	30
50	Synthesis and characterization of biocompatible bimodal <i>meso</i> -sulfonamide-perfluorophenylporphyrins. <i>Journal of Fluorine Chemistry</i> , 2015, 180, 161-167.	0.9	8
51	The role of strong hypoxia in tumors after treatment in the outcome of bacteriochlorin-based photodynamic therapy. <i>Free Radical Biology and Medicine</i> , 2014, 73, 239-251.	1.3	69
52	Photodynamic Therapy Efficacy Enhanced by Dynamics: The Role of Charge Transfer and Photostability in the Selection of Photosensitizers. <i>Chemistry - A European Journal</i> , 2014, 20, 5346-5357.	1.7	105
53	Modulation of Biodistribution, Pharmacokinetics, and Photosensitivity with the Delivery Vehicle of a Bacteriochlorin Photosensitizer for Photodynamic Therapy. <i>ChemMedChem</i> , 2014, 9, 390-398.	1.6	58
54	Stratum corneum permeabilization with photoacoustic waves generated by piezophotonic materials. <i>Journal of Controlled Release</i> , 2013, 167, 290-300.	4.8	35

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55	From elementary reactions to chemical relevance in the photodynamic therapy of cancer. <i>Pure and Applied Chemistry</i> , 2013, 85, 1389-1403.	0.9	11
56	<i>Solar Energy Conversion</i> , 2013, , 267-304.		2
57	The challenging combination of intense fluorescence and high singlet oxygen quantum yield in photostable chlorins "a contribution to theranostics. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1187-1192.	1.6	46
58	Separation and atropisomer isolation of <i>ortho</i> -halogenated tetraarylporphyrins by HPLC: Full characterization using 1D and 2D NMR. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 316-323.	0.4	4
59	Photoacoustic spectroscopy of weakly absorbing media using nanosecond laser pulses. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
60	Photophysical properties of unsymmetric meso-substituted porphyrins synthesized via the Suzuki coupling reaction. <i>Tetrahedron</i> , 2012, 68, 8783-8788.	1.0	8
61	Improved biodistribution, pharmacokinetics and photodynamic efficacy using a new photostable sulfonamide bacteriochlorin. <i>MedChemComm</i> , 2012, 3, 502.	3.5	38
62	Intense high-frequency pressure waves produced with low laser fluences. , 2012, , .		2
63	Amphiphilic meso(sulfonate ester fluoroaryl)porphyrins: refining the substituents of porphyrin derivatives for phototherapy and diagnostics. <i>Tetrahedron</i> , 2012, 68, 8767-8772.	1.0	44
64	Mechanisms of interaction between very high-frequency photoacoustic waves and the skin. , 2012, , .		1
65	Irradiation- and Sensitizer-Dependent Changes in the Lifetime of Intracellular Singlet Oxygen Produced in a Photosensitized Process. <i>Journal of Physical Chemistry B</i> , 2012, 116, 445-461.	1.2	85
66	An insight into solvent-free diimide porphyrin reduction: a versatile approach for meso-aryl hydroporphyrin synthesis. <i>Green Chemistry</i> , 2012, 14, 1666.	4.6	50
67	On the singlet states of porphyrins, chlorins and bacteriochlorins and their ability to harvest red/infrared light. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1233-1238.	1.6	32
68	Combined effects of singlet oxygen and hydroxyl radical in photodynamic therapy with photostable bacteriochlorins: Evidence from intracellular fluorescence and increased photodynamic efficacy in vitro. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1188-1200.	1.3	80
69	Reply to "Comment on 'Exothermic Rate Restrictions in Long-Range Photoinduced Charge Separations in Rigid Media'" <i>Journal of Physical Chemistry A</i> , 2011, 115, 7861-7862.	1.1	1
70	Chapter 2. A Transition-State Perspective of Proton-Coupled Electron Transfers. <i>RSC Catalysis Series</i> , 2011, , 32-56.	0.1	1
71	Design of porphyrin-based photosensitizers for photodynamic therapy. <i>Advances in Inorganic Chemistry</i> , 2011, , 187-233.	0.4	71
72	Biodistribution and Photodynamic Efficacy of a Water-Soluble, Stable, Halogenated Bacteriochlorin against Melanoma. <i>ChemMedChem</i> , 2011, 6, 465-475.	1.6	63

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73	Tissue Uptake Study and Photodynamic Therapy of Melanoma-Bearing Mice with a Nontoxic, Effective Chlorin. <i>ChemMedChem</i> , 2011, 6, 1715-1726.	1.6	47
74	Synthesis of Pyrroles in Supercritical Carbon Dioxide: Formal [3+2] Cycloaddition of 2-Benzoyl-Aziridines and Allenates. <i>Synthesis</i> , 2011, 2011, 3516-3522.	1.2	4
75	Multi-spectral photoacoustic mapping of bacteriochlorins diffusing through the skin: exploring a new PAT contrast agent. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
76	New Halogenated Water-Soluble Chlorin and Bacteriochlorin as Photostable PDT Sensitizers: Synthesis, Spectroscopy, Photophysics, and in-vitro Photosensitizing Efficacy. <i>ChemMedChem</i> , 2010, 5, 1770-1780.	1.6	98
77	Mechanisms of Singlet-Oxygen and Superoxide-Ion Generation by Porphyrins and Bacteriochlorins and their Implications in Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2010, 16, 9273-9286.	1.7	156
78	Molecular factor analysis in self-exchange electron transfer reactions in solution. <i>Journal of Molecular Liquids</i> , 2010, 156, 3-9.	2.3	5
79	Synthesis and photophysical characterization of a library of photostable halogenated bacteriochlorins: an access to near infrared chemistry. <i>Tetrahedron</i> , 2010, 66, 9545-9551.	1.0	83
80	Tunnelling corrections in hydrogen abstractions by excited-state ketones. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 702-710.	0.9	7
81	Infrared absorbing dyes tailored for detection and therapy of solid tumors. , 2010, , .		1
82	Exothermic Rate Restrictions in Long-Range Photoinduced Charge Separations in Rigid Media. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2778-2787.	1.1	11
83	Analytical solution for time-resolved photoacoustic calorimetry data and applications to two typical photoreactions. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 812-822.	1.6	23
84	The role of reaction energy and hydrogen bonding in the reaction path of enzymatic proton transfers. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 254-263.	0.9	8
85	Photoacid for Extremely Long-Lived and Reversible pH-Jumps. <i>Journal of the American Chemical Society</i> , 2009, 131, 9456-9462.	6.6	65
86	Synthesis and photophysical properties of amphiphilic halogenated bacteriochlorins: new opportunities for photodynamic therapy of cancer. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 567-573.	0.4	40
87	A chemical understanding for the enhanced hydrogen tunnelling in hydroperoxidation of linoleic acid catalysed by soybean lipoxygenase-1. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 659-665.	0.9	13
88	Understanding Chemical Reactivity: The Case for Atom, Proton and Methyl Transfers. <i>Chemistry - A European Journal</i> , 2008, 14, 6578-6587.	1.7	19
89	Synthesis of amphiphilic sulfonamide halogenated porphyrins: MALDI-TOFMS characterization and evaluation of 1-octanol/water partition coefficients. <i>Tetrahedron</i> , 2008, 64, 5132-5138.	1.0	45
90	Photoacoustic Measurement of Electron Injection Efficiencies and Energies from Excited Sensitizer Dyes into Nanocrystalline TiO ₂ Films. <i>Journal of the American Chemical Society</i> , 2008, 130, 8876-8877.	6.6	28

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91	Atropisomers of 5,10,15,20-tetrakis(2,6-dichloro-3-sulfamoyl-phenyl)porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2007, 11, 50-57.	0.4	18
92	A Unified View of Ketone Photochemistry. <i>Advances in Photochemistry</i> , 2007, , 67-117.	0.4	33
93	Absolute Rate Calculations. Proton Transfers in Solution. <i>Journal of Physical Chemistry A</i> , 2007, 111, 591-602.	1.1	22
94	The Rates of S _N 2 Reactions and Their Relation to Molecular and Solvent Properties. <i>Chemistry - A European Journal</i> , 2007, 13, 8018-8028.	1.7	16
95	The Triplet State of Indigo. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2094-2096.	7.2	49
96	Synthesis, Photophysical Studies and Anticancer Activity of a New Halogenated Water-Soluble Porphyrin. <i>Photochemistry and Photobiology</i> , 2007, 83, 897-903.	1.3	73
97	Triplet-State and Singlet Oxygen Formation in Fluorene-Based Alternating Copolymers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8278-8283.	1.2	52
98	Dramatic Pressure-Dependent Quenching Effects in Supercritical CO ₂ Assessed by the Fluorescence of 4-Dimethylamino-3-hydroxyflavone. Thermodynamic versus Kinetics Control of Excited-State Intramolecular Proton Transfer. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13419-13424.	1.1	20
99	Molecular factor analysis in atom-transfer reactions. <i>Molecular Physics</i> , 2006, 104, 731-743.	0.8	6
100	Spectroscopic properties and photodynamic effects of new lipophilic porphyrin derivatives: Efficacy, localisation and cell death pathways. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2006, 84, 1-14.	1.7	55
101	(More) About biphenyl first excited triplet state energy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 228-233.	2.0	15
102	Tunnelling in low-temperature hydrogen-atom and proton transfers. <i>Journal of Molecular Structure</i> , 2006, 786, 207-214.	1.8	19
103	1,3-Dipolar cycloaddition of azomethine ylides generated from aziridines in supercritical carbon dioxide. <i>Tetrahedron Letters</i> , 2006, 47, 5475-5479.	0.7	41
104	Electron Transfer in Supercritical Carbon Dioxide: Ultraexothermic Charge Recombination at the End of the Inverted Region. <i>Chemistry - A European Journal</i> , 2006, 12, 5014-5023.	1.7	21
105	Temperature Dependence of Ultra-Exothermic Charge Recombinations. <i>ChemPhysChem</i> , 2006, 7, 2533-2539.	1.0	14
106	Characterisation of the triplet state of a fluorene-terthiophene alternating copolymer. <i>Chemical Physics Letters</i> , 2005, 402, 197-201.	1.2	15
107	Characterisation of the triplet state of a fluorene-terthiophene alternating copolymer [Chem. Phys. Lett. 402 (2005) 197-201]. <i>Chemical Physics Letters</i> , 2005, 404, 414.	1.2	0
108	Absolute Rate Calculations: Atom and Proton Transfers in Hydrogen-Bonded Systems. <i>ChemPhysChem</i> , 2005, 6, 363-371.	1.0	27

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109	Excited-State Proton Transfer in Gas-Expanded Liquids: The Roles of Pressure and Composition in Supercritical CO ₂ /Methanol Mixtures. <i>Journal of the American Chemical Society</i> , 2005, 127, 11890-11891.	6.6	19
110	A comparative study of water soluble 5,10,15,20-tetrakis(2,6-dichloro-3-sulfophenyl)porphyrin and its metal complexes as efficient sensitizers for photodegradation of phenols. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 617.	1.6	72
111	Photophysics of 3-hydroxyflavone in supercritical CO ₂ : a probe to study the microenvironment of SCF. <i>Chemical Physics Letters</i> , 2004, 387, 263-266.	1.2	12
112	Fluorescence from the second excited singlet state of 3-hydroxyflavone in supercritical CO ₂ . <i>Chemical Physics Letters</i> , 2004, 387, 258-262.	1.2	26
113	Photochemistry and Photophysics of Thienocarbazoles. <i>Photochemistry and Photobiology</i> , 2003, 77, 121-128.	1.3	16
114	Absolute Rate Calculations for Atom Abstractions by Radicals: Energetic, Structural and Electronic Factors. <i>Journal of the American Chemical Society</i> , 2003, 125, 5236-5246.	6.6	32
115	Two-photon photoacoustic calorimetry and the absolute measurement of molar absorption coefficients of transient species in solution Dedicated to Professor Silvia Braslavsky, to mark her great contribution to photochemistry and photobiology particularly in the field of photothermal methods. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 749.	1.6	3
116	Calculation of triplet-triplet energy transfer rates from emission and absorption spectra. The quenching of hemiacerated triplet biacetyl by aromatic hydrocarbons. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 616-623.	1.6	17
117	Photochemistry and photophysics of thienocarbazoles. <i>Photochemistry and Photobiology</i> , 2003, 77, 121-8.	1.3	3
118	New Halogenated Phenylbacteriochlorins and Their Efficiency in Singlet-Oxygen Sensitization. <i>Journal of Physical Chemistry A</i> , 2002, 106, 3787-3795.	1.1	71
119	Photoisomerization of p-(Dimethylamino)- β -chlorostyrene: A Low Temperature Matrix Isolation FTIR Study. <i>Journal of Physical Chemistry A</i> , 2002, 106, 3722-3726.	1.1	4
120	Synthesis of vinylated 5,10,15,20-tetraphenylporphyrins via Heck-type coupling reaction and their photophysical properties. <i>Perkin Transactions II RSC</i> , 2002, , 1583-1588.	1.1	11
121	Intersecting-state model calculations on fast and ultrafast excited-state proton transfers in naphthols and substituted naphthols. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 154, 13-21.	2.0	29
122	Triplet state dynamics on isolated conjugated polymer chains. <i>Chemical Physics</i> , 2002, 285, 3-11.	0.9	95
123	Heavy-atom effects on metalloporphyrins and polyhalogenated porphyrins. <i>Chemical Physics</i> , 2002, 280, 177-190.	0.9	170
124	Intramolecular Charge Transfer of p-(Dimethylamino)benzethyne: A Case of Nonfluorescent ICT State. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10025-10030.	1.1	38
125	S ₁ \rightarrow T ₁ intersystem crossing in π -conjugated organic polymers. <i>Journal of Chemical Physics</i> , 2001, 115, 9601-9606.	1.2	117
126	Photocyclization of triphenylamine: an investigation through time-resolved photoacoustic calorimetry. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 70-73.	1.3	18

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127	Energetics of photocyclization of polyphenylamines and assignment of the intermediate: A time-resolved photoacoustic calorimetric study. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 3690-3695.	1.3	15
128	The intersecting-state model: a link between molecular spectroscopy and chemical reactivity. <i>Journal of Molecular Structure</i> , 2001, 563-564, 1-17.	1.8	26
129	Singlet oxygen quantum yields from halogenated chlorins: potential new photodynamic therapy agents. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 138, 147-157.	2.0	80
130	Benzil fluorescence and phosphorescence emissions: a pertinent probe for the kinematic behaviour and microheterogeneity of supercritical CO ₂ . <i>Chemical Physics Letters</i> , 2001, 347, 361-365.	1.2	11
131	Theory of electron transfer reactions in blue-copper proteins. <i>Research on Chemical Intermediates</i> , 2001, 27, 103-124.	1.3	1
132	Novel porphyrins and a chlorin as efficient singlet oxygen photosensitizers for photooxidation of naphthols or phenols to quinones. <i>Perkin Transactions II RSC</i> , 2000, , 2441-2447.	1.1	51
133	Does Molecular Size Matter in Photoinduced Electron Transfer Reactions?. <i>Journal of Physical Chemistry A</i> , 2000, 104, 11075-11086.	1.1	36
134	Singlet and triplet energies of 1±-oligothiophenes: A spectroscopic, theoretical, and photoacoustic study: Extrapolation to polythiophene. <i>Journal of Chemical Physics</i> , 1999, 111, 5427-5433.	1.2	154
135	Photoacoustic Measurements of Porphyrin Triplet-State Quantum Yields and Singlet-Oxygen Efficiencies. <i>Chemistry - A European Journal</i> , 1998, 4, 2299-2307.	1.7	237
136	Modelling intramolecular electron transfer reactions in cytochromes and in photosynthetic bacteria reaction centres. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 118, 173-181.	2.0	7
137	Hydrogen-atom abstractions: a semi-empirical approach to reaction energetics, bond lengths and bond-orders. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 2577-2584.	0.9	21
138	A CRITICAL ASSESSMENT OF CLASSICAL AND SEMI-CLASSICAL MODELS FOR ELECTRON TRANSFER REACTIONS IN SOLUTION. <i>Progress in Reaction Kinetics and Mechanism</i> , 1998, 23, 1-90.	1.1	61
139	Electron-Transfer Reactions in Organic Chemistry. <i>Bulletin of the Chemical Society of Japan</i> , 1997, 70, 977-986.	2.0	11
140	Theory of electron transfer reactions in photosynthetic bacteria reaction centers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 111, 111-138.	2.0	18
141	Electronic factors in cation-anion recombinations. <i>Computational and Theoretical Chemistry</i> , 1996, 371, 133-141.	1.5	3
142	Theoretical studies of intramolecular electron transfer reactions: Distance and free energy dependences. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996, 100, 15-34.	2.0	29
143	Internal reorganization effects on electron self-exchange reactions. <i>Journal of Molecular Structure</i> , 1994, 310, 105-124.	1.8	0
144	Some new perspectives on electron transfer reactions through the intersecting-state model. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 82, 11-29.	2.0	19

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145	Internal reorganization effects on electron self-exchange reactions. Computational and Theoretical Chemistry, 1994, 310, 105-124.	1.5	11
146	Excited-state proton transfer reactions I. Fundamentals and intermolecular reactions. Journal of Photochemistry and Photobiology A: Chemistry, 1993, 75, 1-20.	2.0	520
147	Excited-state proton transfer reactions II. Intramolecular reactions. Journal of Photochemistry and Photobiology A: Chemistry, 1993, 75, 21-48.	2.0	640
148	Theoretical Study of Electron Transfer Reactions in Porphyrins and Cytochromes. , 1993, , 207-214.		0
149	Recent advances in photoacoustic calorimetry: Theoretical basis and improvements in experimental design. Review of Scientific Instruments, 1992, 63, 5381-5389.	0.6	98
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