Luis G Arnaut

List of Publications by Year
in descending order

160 papers	6,827 citations	66343 42 h-index	69250 77 g-index
173 all docs	173 docs citations	173 times ranked	5898 citing authors

#	Article	IF	Citations
1	Excited-state proton transfer reactions II. Intramolecular reactions. Journal of Photochemistry and Photobiology A: Chemistry, 1993, 75, 21-48.	3.9	640
2	Excited-state proton transfer reactions I. Fundamentals and intermolecular reactions. Journal of Photochemistry and Photobiology A: Chemistry, 1993, 75, 1-20.	3.9	520
3	Photodynamic therapy (PDT) of cancer: from local to systemic treatment. Photochemical and Photobiological Sciences, 2015, 14, 1765-1780.	2.9	384
4	Photoacoustic Measurements of Porphyrin Triplet-State Quantum Yields and Singlet-Oxygen Efficiencies. Chemistry - A European Journal, 1998, 4, 2299-2307.	3.3	237
5	Cell death in photodynamic therapy: From oxidative stress to anti-tumor immunity. Biochimica Et Biophysica Acta: Reviews on Cancer, 2019, 1872, 188308.	7.4	224
6	Engineering of relevant photodynamic processes through structural modifications of metallotetrapyrrolic photosensitizers. Coordination Chemistry Reviews, 2016, 325, 67-101.	18.8	222
7	Heavy-atom effects on metalloporphyrins and polyhalogenated porphyrins. Chemical Physics, 2002, 280, 177-190.	1.9	170
8	Mechanisms of Singletâ€Oxygen and Superoxideâ€Ion Generation by Porphyrins and Bacteriochlorins and their Implications in Photodynamic Therapy. Chemistry - A European Journal, 2010, 16, 9273-9286.	3.3	156
9	Singlet and triplet energies of Î±-oligothiophenes: A spectroscopic, theoretical, and photoacoustic study: Extrapolation to polythiophene. Journal of Chemical Physics, 1999, 111, 5427-5433.	3.0	154
10	S1â^¼>T1 intersystem crossing in Ï€-conjugated organic polymers. Journal of Chemical Physics, 2001, 115, 9601-9606.	3.0	117
11	Photodynamic Therapy Efficacy Enhanced by Dynamics: The Role of Charge Transfer and Photostability in the Selection of Photosensitizers. Chemistry - A European Journal, 2014, 20, 5346-5357.	3.3	105
12	Recent advances in photoacoustic calorimetry: Theoretical basis and improvements in experimental design. Review of Scientific Instruments, 1992, 63, 5381-5389.	1.3	98
13	New Halogenated Waterâ€Soluble Chlorin and Bacteriochlorin as Photostable PDT Sensitizers: Synthesis, Spectroscopy, Photophysics, and inâ€…vitro Photosensitizing Efficacy. ChemMedChem, 2010, 5, 1770-1780.	3.2	98
14	Triplet state dynamics on isolated conjugated polymer chains. Chemical Physics, 2002, 285, 3-11.	1.9	95
15	Irradiation- and Sensitizer-Dependent Changes in the Lifetime of Intracellular Singlet Oxygen Produced in a Photosensitized Process. Journal of Physical Chemistry B, 2012, 116, 445-461.	2.6	85
16	Synthesis and photophysical characterization of a library of photostable halogenated bacteriochlorins: an access to near infrared chemistry. Tetrahedron, 2010, 66, 9545-9551.	1.9	83
17	Photodynamic therapy with redaporfin targets the endoplasmic reticulum and Golgi apparatus. EMBO Journal, 2018, 37, .	7.8	81
18	Singlet oxygen quantum yields from halogenated chlorins: potential new photodynamic therapy agents. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 138, 147-157.	3.9	80

#	Article	IF	Citations
19	Combined effects of singlet oxygen and hydroxyl radical in photodynamic therapy with photostable bacteriochlorins: Evidence from intracellular fluorescence and increased photodynamic efficacy in vitro. Free Radical Biology and Medicine, 2012, 52, 1188-1200.	2.9	80
20	Design of Pluronic-Based Formulation for Enhanced Redaporfin-Photodynamic Therapy against Pigmented Melanoma. ACS Applied Materials & Interfaces, 2016, 8, 22039-22055.	8.0	80
21	Synthesis, Photophysical Studies and Anticancer Activity of a New Halogenated Waterâ€Soluble Porphyrin. Photochemistry and Photobiology, 2007, 83, 897-903.	2.5	73
22	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. Photochemical and Photobiological Sciences, 2005, 4, 617.	2.9	72
23	Elimination of primary tumours and control of metastasis with rationally designed bacteriochlorin photodynamic therapy regimens. European Journal of Cancer, 2015, 51, 1822-1830.	2.8	72
24	New Halogenated Phenylbacteriochlorins and Their Efficiency in Singlet-Oxygen Sensitization. Journal of Physical Chemistry A, 2002, 106, 3787-3795.	2.5	71
25	Design of porphyrin-based photosensitizers for photodynamic therapy. Advances in Inorganic Chemistry, 2011, , 187-233.	1.0	71
26	The role of strong hypoxia in tumors after treatment in the outcome of bacteriochlorin-based photodynamic therapy. Free Radical Biology and Medicine, 2014, 73, 239-251.	2.9	69
27	Photoacid for Extremely Long-Lived and Reversible pH-Jumps. Journal of the American Chemical Society, 2009, 131, 9456-9462.	13.7	65
28	Biodistribution and Photodynamic Efficacy of a Waterâ€Soluble, Stable, Halogenated Bacteriochlorin against Melanoma. ChemMedChem, 2011, 6, 465-475.	3.2	63
29	A CRITICAL ASSESSMENT OF CLASSICAL AND SEMI-CLASSICAL MODELS FOR ELECTRON TRANSFER REACTIONS IN SOLUTION. Progress in Reaction Kinetics and Mechanism, 1998, 23, 1-90.	2.1	61
30	Properties of halogenated and sulfonated porphyrins relevant for the selection of photosensitizers in anticancer and antimicrobial therapies. PLoS ONE, 2017, 12, e0185984.	2.5	59
31	Modulation of Biodistribution, Pharmacokinetics, and Photosensitivity with the Delivery Vehicle of a Bacteriochlorin Photosensitizer for Photodynamic Therapy. ChemMedChem, 2014, 9, 390-398.	3.2	58
32	Antibacterial Photodynamic Inactivation of Antibiotic-Resistant Bacteria and Biofilms with Nanomolar Photosensitizer Concentrations. ACS Infectious Diseases, 2020, 6, 1517-1526.	3.8	56
33	Spectroscopic properties and photodynamic effects of new lipophilic porphyrin derivatives: Efficacy, localisation and cell death pathways. Journal of Photochemistry and Photobiology B: Biology, 2006, 84, 1-14.	3.8	55
34	Triplet-State and Singlet Oxygen Formation in Fluorene-Based Alternating Copolymers. Journal of Physical Chemistry B, 2006, 110, 8278-8283.	2.6	52
35	Novel porphyrins and a chlorin as efficient singlet oxygen photosensitizers for photooxidation of naphthols or phenols to quinones. Perkin Transactions II RSC, 2000, , 2441-2447.	1.1	51
36	An insight into solvent-free diimide porphyrin reduction: a versatile approach for meso-aryl hydroporphyrin synthesis. Green Chemistry, 2012, 14, 1666.	9.0	50

#	Article	IF	Citations
37	The Triplet State of Indigo. Angewandte Chemie - International Edition, 2007, 46, 2094-2096.	13.8	49
38	Tissue Uptake Study and Photodynamic Therapy of Melanomaâ€Bearing Mice with a Nontoxic, Effective Chlorin. ChemMedChem, 2011, 6, 1715-1726.	3.2	47
39	The challenging combination of intense fluorescence and high singlet oxygen quantum yield in photostable chlorins â€" a contribution to theranostics. Photochemical and Photobiological Sciences, 2013, 12, 1187-1192.	2.9	46
40	Synthesis of amphiphilic sulfonamide halogenated porphyrins: MALDI-TOFMS characterization and evaluation of 1-octanol/water partition coefficients. Tetrahedron, 2008, 64, 5132-5138.	1.9	45
41	Amphiphilic meso(sulfonate ester fluoroaryl)porphyrins: refining the substituents of porphyrin derivatives for phototherapy and diagnostics. Tetrahedron, 2012, 68, 8767-8772.	1.9	44
42	Phthalocyanine Labels for Near-Infrared Fluorescence Imaging of Solid Tumors. Journal of Medicinal Chemistry, 2016, 59, 4688-4696.	6.4	43
43	1,3-Dipolar cycloaddition of azomethine ylides generated from aziridines in supercritical carbon dioxide. Tetrahedron Letters, 2006, 47, 5475-5479.	1.4	41
44	Synthesis and photophysical properties of amphiphilic halogenated bacteriochlorins: new opportunities for photodynamic therapy of cancer. Journal of Porphyrins and Phthalocyanines, 2009, 13, 567-573.	0.8	40
45	Intramolecular Charge Transfer ofp-(Dimethylamino)benzethyne:Â A Case of Nonfluorescent ICT State. Journal of Physical Chemistry A, 2001, 105, 10025-10030.	2.5	38
46	Improved biodistribution, pharmacokinetics and photodynamic efficacy using a new photostable sulfonamide bacteriochlorin. MedChemComm, 2012, 3, 502.	3.4	38
47	Towards tuning PDT relevant photosensitizer properties: comparative study for the free and Zn²⁺ coordinated <i>meso</i>-tetrakis[2,6-difluoro-5-(<i>N</i>-methylsulfamylo)phenyl]porphyrin. Journal of Coordination Chemistry, 2015, 68, 3116-3134.	2.2	37
48	Proâ€oxidant and Antioxidant Effects in Photodynamic Therapy: Cells Recognise that Not All Exogenous ROS Are Alike. ChemBioChem, 2016, 17, 836-842.	2.6	37
49	Photodynamic disinfection and its role in controlling infectious diseases. Photochemical and Photobiological Sciences, 2021, 20, 1497-1545.	2.9	37
50	Does Molecular Size Matter in Photoinduced Electron Transfer Reactions?. Journal of Physical Chemistry A, 2000, 104, 11075-11086.	2.5	36
51	Photoinactivation of microorganisms with sub-micromolar concentrations of imidazolium metallophthalocyanine salts. European Journal of Medicinal Chemistry, 2019, 184, 111740.	5.5	36
52	Stratum corneum permeabilization with photoacoustic waves generated by piezophotonic materials. Journal of Controlled Release, 2013, 167, 290-300.	9.9	35
53	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.	7.1	34
54	A Unified View of Ketone Photochemistry. Advances in Photochemistry, 2007, , 67-117.	0.4	33

#	Article	IF	Citations
55	Absolute Rate Calculations for Atom Abstractions by Radicals:Â Energetic, Structural and Electronic Factors. Journal of the American Chemical Society, 2003, 125, 5236-5246.	13.7	32
56	On the singlet states of porphyrins, chlorins and bacteriochlorins and their ability to harvest red/infrared light. Photochemical and Photobiological Sciences, 2012, 11, 1233-1238.	2.9	32
57	Synthesis of<i>meso</i>-substituted porphyrins using sustainable chemical processes. Journal of Porphyrins and Phthalocyanines, 2016, 20, 45-60.	0.8	32
58	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.	2.4	32
59	Intravenous Single-Dose Toxicity of Redaporfin-Based Photodynamic Therapy in Rodents. International Journal of Molecular Sciences, 2015, 16, 29236-29249.	4.1	31
60	New hybrid materials based on halogenated metalloporphyrins for enhanced visible light photocatalysis. RSC Advances, 2015, 5, 93252-93261.	3.6	30
61	Immune Responses after Vascular Photodynamic Therapy with Redaporfin. Journal of Clinical Medicine, 2020, 9, 104.	2.4	30
62	Theoretical studies of intramolecular electron transfer reactions: Distance and free energy dependences. Journal of Photochemistry and Photobiology A: Chemistry, 1996, 100, 15-34.	3.9	29
63	Intersecting-state model calculations on fast and ultrafast excited-state proton transfers in naphthols and substituted naphthols. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 154, 13-21.	3.9	29
64	Intracellular singlet oxygen photosensitizers: on the road to solving the problems of sensitizer degradation, bleaching and relocalization. Integrative Biology (United Kingdom), 2016, 8, 177-193.	1.3	29
65	Photoacoustic Measurement of Electron Injection Efficiencies and Energies from Excited Sensitizer Dyes into Nanocrystalline TiO₂ Films. Journal of the American Chemical Society, 2008, 130, 8876-8877.	13.7	28
66	Absolute Rate Calculations: Atom and Proton Transfers in Hydrogen-Bonded Systems. ChemPhysChem, 2005, 6, 363-371.	2.1	27
67	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.	4.1	27
68	Excited-state proton-transfer kinetics: a theoretical model. The Journal of Physical Chemistry, 1988, 92, 685-691.	2.9	26
69	The intersecting-state model: a link between molecular spectroscopy and chemical reactivity. Journal of Molecular Structure, 2001, 563-564, 1-17.	3.6	26
70	Fluorescence from the second excited singlet state of 3-hydroxyflavone in supercritical CO2. Chemical Physics Letters, 2004, 387, 258-262.	2.6	26
71	Can lipid nanoparticles improve intestinal absorption?. International Journal of Pharmaceutics, 2016, 515, 69-83.	5.2	24
72	Translating phototherapeutic indices from in vitro to in vivo photodynamic therapy with bacteriochlorins. Lasers in Surgery and Medicine, 2018, 50, 451-459.	2.1	24

#	Article	IF	Citations
73	Analytical solution for time-resolved photoacoustic calorimetry data and applications to two typical photoreactions. Photochemical and Photobiological Sciences, 2010, 9, 812-822.	2.9	23
74	Absolute Rate Calculations. Proton Transfers in Solution. Journal of Physical Chemistry A, 2007, 111, 591-602.	2.5	22
75	Intradermal Delivery of a Near-Infrared Photosensitizer Using Dissolving Microneedle Arrays. Journal of Pharmaceutical Sciences, 2018, 107, 2439-2450.	3.3	22
76	Free-energy relationships in organic electron transfer reactions. Computational and Theoretical Chemistry, 1991, 233, 209-230.	1.5	21
77	Hydrogen-atom abstractions: a semi-empirical approach to reaction energetics, bond lengths and bond-orders. Journal of the Chemical Society Perkin Transactions II, 1998, , 2577-2584.	0.9	21
78	Electron Transfer in Supercritical Carbon Dioxide: Ultraexothermic Charge Recombination at the End of the â€œInverted Regionâ€. Chemistry - A European Journal, 2006, 12, 5014-5023.	3.3	21
79	Dramatic Pressure-Dependent Quenching Effects in Supercritical CO2 Assessed by the Fluorescence of 4â€˜-Dimethylamino-3-hydroxyflavone. Thermodynamic versus Kinetics Control of Excited-State Intramolecular Proton Transfer. Journal of Physical Chemistry A, 2006, 110, 13419-13424.	2.5	20
80	BrÃ¸nsted coefficients and the theory of acid-base catalysis of proton transfers from carbon acids. Journal of Physical Organic Chemistry, 1990, 3, 95-109.	1.9	19
81	Some new perspectives on electron transfer reactions through the intersecting-state model. Journal of Photochemistry and Photobiology A: Chemistry, 1994, 82, 11-29.	3.9	19
82	Excited-State Proton Transfer in Gas-Expanded Liquids:â€‰ The Roles of Pressure and Composition in Supercritical CO2/Methanol Mixtures. Journal of the American Chemical Society, 2005, 127, 11890-11891.	13.7	19
83	Tunnelling in low-temperature hydrogen-atom and proton transfers. Journal of Molecular Structure, 2006, 786, 207-214.	3.6	19
84	Understanding Chemical Reactivity: The Case for Atom, Proton and Methyl Transfers. Chemistry - A European Journal, 2008, 14, 6578-6587.	3.3	19
85	The heat of formation of the benzophenone ketyl radical by time-resolved photoacoustic calorimetry. Journal of Photochemistry and Photobiology A: Chemistry, 1992, 65, 15-20.	3.9	18
86	Theory of electron transfer reactions in photosynthetic bacteria reaction centers. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 111, 111-138.	3.9	18
87	Photocyclization of triphenylamine: an investigation through time-resolved photoacoustic calorimetry. Physical Chemistry Chemical Physics, 2001, 3, 70-73.	2.8	18
88	Atropisomers of 5,10,15,20-tetrakis(2,6-dichloro-3-sulfamoyl-phenyl)porphyrins. Journal of Porphyrins and Phthalocyanines, 2007, 11, 50-57.	0.8	18
89	Recruitment of LC3 to damaged Golgi apparatus. Cell Death and Differentiation, 2019, 26, 1467-1484.	11.2	18
90	Photodynamic disinfection of SARS-CoV-2 clinical samples using a methylene blue formulation. Photochemical and Photobiological Sciences, 2022, 21, 1101-1109.	2.9	18

#	Article	IF	Citations
91	Calculation of tripletâ€“triplet energy transfer rates from emission and absorption spectra. The quenching of hemicarcerated triplet biacetyl by aromatic hydrocarbons. Photochemical and Photobiological Sciences, 2003, 2, 616-623.	2.9	17
92	Towards a general approach to the deprotonation of carbon acids, including nitroalkanes. Journal of Physical Organic Chemistry, 1991, 4, 726-745.	1.9	16
93	Photochemistry and Photophysics of ThienocarbazolesÂ¶. Photochemistry and Photobiology, 2003, 77, 121-128.	2.5	16
94	The Rates of S_N2 Reactions and Their Relation to Molecular and Solvent Properties. Chemistry - A European Journal, 2007, 13, 8018-8028.	3.3	16
95	One Peptide Reveals the Two Faces of Î±-Helix Unfoldingâ€“Folding Dynamics. Journal of Physical Chemistry B, 2018, 122, 3790-3800.	2.6	16
96	Photoacoustic generation of intense and broadband ultrasound pulses with functionalized carbon nanotubes. Nanoscale, 2020, 12, 20831-20839.	5.6	16
97	Energetics of photocyclization of polyphenylamines and assignment of the intermediate: A time-resolved photoacoustic calorimetric study. Physical Chemistry Chemical Physics, 2001, 3, 3690-3695.	2.8	15
98	Characterisation of the triplet state of a fluoreneâ€“terthiophene alternating copolymer. Chemical Physics Letters, 2005, 402, 197-201.	2.6	15
99	(More) About biphenyl first excited triplet state energy. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 184, 228-233.	3.9	15
100	Redaporfin induces immunogenic cell death by selective destruction of the endoplasmic reticulum and the Golgi apparatus. Oncotarget, 2018, 9, 31169-31170.	1.8	15
101	Temperature Dependence of Ultra-Exothermic Charge Recombinations. ChemPhysChem, 2006, 7, 2533-2539.	2.1	14
102	The Photophysical Properties of Triisopropylsilyl-ethynylpentaceneâ€”A Molecule with an Unusually Large Singlet-Triplet Energy Gapâ€”In Solution and Solid Phases. Chemistry, 2020, 2, 545-564.	2.2	14
103	Structure-efficiency relationships in hydrogen photoabstraction reactions by ketones: thermal activation versus nuclear tunnelling. Journal of Photochemistry and Photobiology, 1984, 27, 185-203.	0.6	13
104	A chemical understanding for the enhanced hydrogen tunnelling in hydroperoxidation of linoleic acid catalysed by soybean lipoxygenaseâ€1. Journal of Physical Organic Chemistry, 2008, 21, 659-665.	1.9	13
105	Photophysics of 3-hydroxyflavone in supercritical CO2: a probe to study the microenvironment of SCF. Chemical Physics Letters, 2004, 387, 263-266.	2.6	12
106	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.	3.8	12
107	Internal reorganization effects on electron self-exchange reactions. Computational and Theoretical Chemistry, 1994, 310, 105-124.	1.5	11
108	Electron-Transfer Reactions in Organic Chemistry. Bulletin of the Chemical Society of Japan, 1997, 70, 977-986.	3.2	11

#	Article	IF	Citations
109	Benzil fluorescence and phosphorescence emissions: a pertinent probe for the kinematic behaviour and microheterogeneity of supercritical CO2. Chemical Physics Letters, 2001, 347, 361-365.	2.6	11
110	Synthesis of vinylated 5,10,15,20-tetraphenylporphyrins via Heck-type coupling reaction and their photophysical properties. Perkin Transactions II RSC, 2002, , 1583-1588.	1.1	11
111	Exothermic Rate Restrictions in Long-Range Photoinduced Charge Separations in Rigid Media. Journal of Physical Chemistry A, 2010, 114, 2778-2787.	2.5	11
112	From elementary reactions to chemical relevance in the photodynamic therapy of cancer. Pure and Applied Chemistry, 2013, 85, 1389-1403.	1.9	11
113	Photon momentum transfer at water/air interfaces under total internal reflection. New Journal of Physics, 2019, 21, 033013.	2.9	11
114	Ultrafast Dynamics of Manganese(III), Manganese(II), and Free-Base Bacteriochlorin: Is There Time for Photochemistry?. Inorganic Chemistry, 2017, 56, 2677-2689.	4.0	10
115	Photoacoustic transfection of DNA encoding GFP. Scientific Reports, 2019, 9, 2553.	3.3	10
116	Necrosis Depth and Photodynamic Threshold Dose with Redaporfinâ€PDT. Photochemistry and Photobiology, 2020, 96, 692-698.	2.5	10
117	Imaging of photoacoustic-mediated permeabilization of giant unilamellar vesicles (GUVs). Scientific Reports, 2021, 11, 2775.	3.3	10
118	Assessment of lifetime resolution limits in time-resolved photoacoustic calorimetry vs. transducer frequencies: setting the stage for picosecond resolution. Photochemical and Photobiological Sciences, 2016, 15, 204-210.	2.9	9
119	Higher activation barriers can lift exothermic rate restrictions in electron transfer and enable faster reactions. Nature Communications, 2018, 9, 2903.	12.8	9
120	Control of the distance between porphyrin sensitizers and the TiO2 surface in solar cells by designed anchoring groups. Journal of Molecular Structure, 2019, 1196, 444-454.	3.6	9
121	Photochemical Î± cleavage of ketones as radiationless transitions. Journal of Photochemistry and Photobiology, 1985, 31, 315-332.	0.6	8
122	The role of reaction energy and transition state bond order on the reactivity of ambifunctional compounds in solution. Journal of the Chemical Society Perkin Transactions II, 1989, , 1947.	0.9	8
123	The role of reaction energy and hydrogen bonding in the reaction path of enzymatic proton transfers. Journal of Physical Organic Chemistry, 2009, 22, 254-263.	1.9	8
124	Photophysical properties of unsymmetric meso-substituted porphyrins synthesized via the Suzuki coupling reaction. Tetrahedron, 2012, 68, 8783-8788.	1.9	8
125	Synthesis and characterization of biocompatible bimodal meso-sulfonamide-perfluorophenylporphyrins. Journal of Fluorine Chemistry, 2015, 180, 161-167.	1.7	8
126	Modelling intramolecular electron transfer reactions in cytochromes and in photosynthetic bacteria reaction centres. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 118, 173-181.	3.9	7

#	Article	IF	Citations
127	Tunnelling corrections in hydrogen abstractions by excitedâ€state ketones. Journal of Physical Organic Chemistry, 2010, 23, 702-710.	1.9	7
128	Dynamics of Radical Ion Pairs following Photoinduced Electron Transfer in Solvents with Low and Intermediate Polarities. Journal of Physical Chemistry B, 2015, 119, 7571-7578.	2.6	7
129	Split-Face, Randomized, Placebo-Controlled, Double-Blind Study to Investigate Passive Versus Active Dermal Filler Administration. Aesthetic Plastic Surgery, 2018, 42, 1655-1663.	0.9	7
130	Biocompatible ring-deformed indium phthalocyanine label for near-infrared photoacoustic imaging. Inorganica Chimica Acta, 2021, 514, 119993.	2.4	7
131	Photocycloaddition of ketones to olefins as radiationless transitions. Journal of Photochemistry and Photobiology, 1987, 39, 13-31.	0.6	6
132	Diabatic protonation of excited singlet styrenes. Journal of Photochemistry and Photobiology A: Chemistry, 1992, 69, 41-48.	3.9	6
133	Molecular factor analysis in atom-transfer reactions. Molecular Physics, 2006, 104, 731-743.	1.7	6
134	Molecular factor analysis in self-exchange electron transfer reactions in solution. Journal of Molecular Liquids, 2010, 156, 3-9.	4.9	5
135	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.	2.5	5
136	Photoisomerization of p-(Dimethylamino)-Î²-chlorostyrene: A Low Temperature Matrix Isolation FTIR Study. Journal of Physical Chemistry A, 2002, 106, 3722-3726.	2.5	4
137	Synthesis of Pyrroles in Supercritical Carbon Dioxide: Formal [3+2] Cycloaddition of 2-Benzoyl-Aziridines and Allenoates. Synthesis, 2011, 2011, 3516-3522.	2.3	4
138	Separation and atropisomer isolation of <i>ortho</i>-halogenated tetraarylporphyrins by HPLC: Full characterization using 1D and 2D NMR. Journal of Porphyrins and Phthalocyanines, 2012, 16, 316-323.	0.8	4
139	Self-sustained oscillations and global climate changes. Scientific Reports, 2020, 10, 11200.	3.3	4
140	Electronic factors in cation-anion recombinations. Computational and Theoretical Chemistry, 1996, 371, 133-141.	1.5	3
141	Two-photon photoacoustic calorimetry and the absolute measurement of molar absorption coefficients of transient species in solutionDedicated to Professor Silvia Braslavsky, to mark her great contribution to photochemistry and photobiology particularly in the field of photothermal methods.. Photochemical and Photobiological Sciences, 2003, 2, 749.	2.9	3
142	Photoacoustic Waves as a Skin Permeation Enhancement Method. , 2017, , 175-191.		3
143	Photochemistry and Photophysics of ThienocarbazolesÂ¶. Photochemistry and Photobiology, 2003, 77, 121.	2.5	3
144	Potentiation of Systemic Anti-Tumor Immunity with Photodynamic Therapy Using Porphyrin Derivatives. Handbook of Porphyrin Science, 2022, , 279-344.	0.8	3

#	Article	IF	Citations
145	Intense high-frequency pressure waves produced with low laser fluences. , 2012, , .		2
146	Solar Energy Conversion. , 2013, , 267-304.		2
147	Theory of electron transfer reactions in blue-copper proteins. Research on Chemical Intermediates, 2001, 27, 103-124.	2.7	1
148	Infrared absorbing dyes tailored for detection and therapy of solid tumors. , 2010, , .		1
149	Reply to â€œComment on 'Exothermic Rate Restrictions in Long-Range Photoinduced Charge Separations in Rigid Media'â€. Journal of Physical Chemistry A, 2011, 115, 7861-7862.	2.5	1
150	Chapter 2. A Transition-State Perspective of Proton-Coupled Electron Transfers. RSC Catalysis Series, 2011, , 32-56.	0.1	1
151	Mechanisms of interaction between very high-frequency photoacoustic waves and the skin. , 2012, , .		1
152	Generation and applications of broadband high-frequency laser ultrasound with nanostructured materials. , 2022, , .		1
153	Internal reorganization effects on electron self-exchange reactions. Journal of Molecular Structure, 1994, 310, 105-124.	3.6	0
154	Characterisation of the triplet state of a fluoreneâ€“terthiophene alternating copolymer [Chem. Phys. Lett. 402 (2005) 197â€“201]. Chemical Physics Letters, 2005, 404, 414.	2.6	0
155	Multi-spectral photoacoustic mapping of bacteriochlorins diffusing through the skin: exploring a new PAT contrast agent. Proceedings of SPIE, 2011, , .	0.8	0
156	Photoacoustic spectroscopy of weakly absorbing media using nanosecond laser pulses. Proceedings of SPIE, 2012, , .	0.8	0
157	A Kinetic Model for Proton Transfers in Solutions. NATO ASI Series Series B: Physics, 1992, , 281-295.	0.2	0
158	Theoretical Study of Electron Transfer Reactions in Porphyrins and Cytochromes. , 1993, , 207-214.		0
159	Photoinduced Energy and Electron Transfer in Bacterichlorins. ECS Meeting Abstracts, 2018, , .	0.0	0
160	Photoacoustic delivery and imaging methods in PDT. , 2022, , .		0