

Lewis A Baker

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

753
citations

567281

15
h-index

713466

21
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all docs

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docs citations

22
times ranked

661
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast spectroscopic investigation of discrete co-assemblies of a Zn-porphyrin-polymer conjugate with a hexapyridyl template. <i>Chemical Physics Letters</i> , 2021, 777, 138736.	2.6	0
2	Conservation of ultrafast photoprotective mechanisms with increasing molecular complexity in sinapoyl malate derivatives. <i>ChemPhysChem</i> , 2020, 21, 2006-2011.	2.1	10
3	A simple and affordable experiment to determine Reynolds number. <i>Physics Education</i> , 2019, 54, 063004.	0.5	1
4	Gas-Phase Solution Phase Transient Absorption Study of the Plant Sunscreen Derivative Methyl Sinapate. <i>ChemPhotoChem</i> , 2018, 2, 743-748.	3.0	26
5	Photoisomerization of ethyl ferulate: A solution phase transient absorption study. <i>Chemical Physics Letters</i> , 2017, 673, 62-67.	2.6	35
6	Ultrafast Transient Absorption Spectroscopy of the Sunscreen Constituent Ethylhexyl Triazone. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2113-2118.	4.6	9
7	First Step toward a Universal Fluorescent Probe: Unravelling the Photodynamics of an Amino-Maleimide Fluorophore. <i>Journal of Physical Chemistry A</i> , 2017, 121, 6357-6365.	2.5	20
8	Photosynthesis, Pigment-Protein Complexes and Electronic Energy Transport: Simple Models for Complicated Processes. <i>Science Progress</i> , 2017, 100, 313-330.	1.9	3
9	Photoprotection: extending lessons learned from studying natural sunscreens to the design of artificial sunscreen constituents. <i>Chemical Society Reviews</i> , 2017, 46, 3770-3791.	38.1	146
10	Photosynthetic pigment-protein complexes as highly connected networks: implications for robust energy transport. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20170112.	2.1	10
11	Ultrafast photophysical studies of a multicomponent sunscreen: Oxybenzone-titanium dioxide mixtures. <i>Chemical Physics Letters</i> , 2016, 664, 39-43.	2.6	18
12	Ultrafast photoprotective properties of the suncreening agent octocrylene. <i>Optics Express</i> , 2016, 24, 10700.	3.4	22
13	Observing and Understanding the Ultrafast Photochemistry in Small Molecules: Applications to Sunscreens. <i>Science Progress</i> , 2016, 99, 282-311.	1.9	26
14	A Perspective on the Ultrafast Photochemistry of Solution-Phase Sunscreen Molecules. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4655-4665.	4.6	52
15	Bottom-up excited state dynamics of two cinnamate-based sunscreen filter molecules. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28140-28149.	2.8	43
16	Photodynamics of potent antioxidants: ferulic and caffeic acids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17691-17697.	2.8	40
17	Ultrafast Photoprotecting Sunscreens in Natural Plants. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 56-61.	4.6	100
18	Retaining individualities: the photodynamics of self-ordering porphyrin assemblies. <i>Chemical Communications</i> , 2016, 52, 1938-1941.	4.1	11

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19	Robustness, efficiency, and optimality in the Fenna-Matthews-Olson photosynthetic pigment-protein complex. <i>Journal of Chemical Physics</i> , 2015, 143, 105101.	3.0	18
20	Bridging the Gap between the Gas Phase and Solution Phase: Solvent Specific Photochemistry in 4- <i>tert</i> -Butylcatechol. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11989-11996.	2.5	21
21	Probing the Ultrafast Energy Dissipation Mechanism of the Sunscreen Oxybenzone after UVA Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1363-1368.	4.6	97
22	Broadband ultrafast photoprotection by oxybenzone across the UVB and UVC spectral regions. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1814-1820.	2.9	45