

Natãrcia D N Rodrigues

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

349
citations

933447

10
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

377
citing authors

#	ARTICLE	IF	CITATIONS
1	Photophysics of sunscreen molecules in the gas phase: a stepwise approach towards understanding and developing next-generation sunscreens. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20160677.	2.1	46
2	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
3	Photoisomerization of ethyl ferulate: A solution phase transient absorption study. <i>Chemical Physics Letters</i> , 2017, 673, 62-67.	2.6	35
4	Towards elucidating the photochemistry of the sunscreen filter ethyl ferulate using time-resolved gas-phase spectroscopy. <i>Faraday Discussions</i> , 2016, 194, 709-729.	3.2	31
5	From Fundamental Science to Product: A Bottom-up Approach to Sunscreen Development. <i>Science Progress</i> , 2018, 101, 8-31.	1.9	31
6	A simple electron time-of-flight spectrometer for ultrafast vacuum ultraviolet photoelectron spectroscopy of liquid solutions. <i>Review of Scientific Instruments</i> , 2014, 85, 103117.	1.3	26
7	Insights into the photoprotection mechanism of the UV filter homosalate. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 15509-15519.	2.8	26
8	Communication: Infrared spectroscopy of salt-water complexes. <i>Journal of Chemical Physics</i> , 2016, 144, 121103.	3.0	24
9	New Generation UV-A Filters: Understanding Their Photodynamics on a Human Skin Mimic. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 337-344.	4.6	23
10	Photophysics of the sunscreen ingredient menthyl anthranilate and its precursor methyl anthranilate: A bottom-up approach to photoprotection. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 376-384.	3.9	22
11	Wavepacket insights into the photoprotection mechanism of the UV filter methyl anthranilate. <i>Nature Communications</i> , 2018, 9, 5188.	12.8	9
12	Ultrafast Dissociation Dynamics of 2-Ethylpyrrole. <i>Journal of Physical Chemistry A</i> , 2017, 121, 969-976.	2.5	8
13	Determining the photostability of avobenzone in sunscreen formulation models using ultrafast spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 24439-24448.	2.8	7
14	Substituent position effects on sunscreen photodynamics: A closer look at methyl anthranilate. <i>Chemical Physics</i> , 2018, 515, 596-602.	1.9	5
15	Photo-protection/photo-damage in natural systems: general discussion. <i>Faraday Discussions</i> , 2019, 216, 538-563.	3.2	4
16	From Biomass-Derived p-Hydroxycinnamic Acids to Novel Sustainable and Non-Toxic Phenolics-Based UV-Filters: A Multidisciplinary Journey. <i>Frontiers in Chemistry</i> , 0, 10, .	3.6	4
17	Effects of substituent position on aminobenzoate relaxation pathways in solution. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23242-23255.	2.8	3
18	Energy and charge-transfer in natural photosynthesis: general discussion. <i>Faraday Discussions</i> , 2019, 216, 133-161.	3.2	1

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19	Intermolecular Interactions and In Vitro Performance of Methyl Anthranilate in Commercial Sunscreen Formulations. <i>AppliedChem</i> , 2021, 1, 50-61.	1.0	1
20	Photovoltaics and bio-inspired light harvesting: general discussion. <i>Faraday Discussions</i> , 2019, 216, 269-300.	3.2	0
21	Highlights from Faraday Discussion on Ultrafast Photoinduced Energy and Charge Transfer, Ventura, CA, USA, April 2019. <i>Chemical Communications</i> , 2019, 55, 9232-9240.	4.1	0