

Damien P Igoe

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

320
citations

759233

12
h-index

888059

17
g-index

32
all docs

32
docs citations

32
times ranked

281
citing authors

#	ARTICLE	IF	CITATIONS
1	A Case Study of UV Exposure Risk in Sydney during the 2019/2020 New South Wales Bushfires. <i>Photochemistry and Photobiology</i> , 2022, 98, 1236-1244.	2.5	1
2	Cloud Affected Solar UV Prediction With Three-Phase Wavelet Hybrid Convolutional Long Short-Term Memory Network Multi-Step Forecast System. <i>IEEE Access</i> , 2022, 10, 24704-24720.	4.2	15
3	Forecasting solar photosynthetic photon flux density under cloud cover effects: novel predictive model using convolutional neural network integrated with long short-term memory network. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 3183-3220.	4.0	4
4	Electronic Sun Journal Versus Self-report Sun Diary: A Comparison of Recording Personal Sunlight Exposure Methods. <i>Photochemistry and Photobiology</i> , 2021, 97, 641-649.	2.5	0
5	Satellite Monitoring of Environmental Solar Ultraviolet A (UVA) Exposure and Irradiance: A Review of OMI and GOME-2. <i>Remote Sensing</i> , 2021, 13, 752.	4.0	10
6	Biologically effective solar ultraviolet exposures and the potential skin cancer risk for individual gold medalists of the 2020 Tokyo Summer Olympic Games. <i>Temperature</i> , 2020, 7, 89-108.	3.0	14
7	The Simulated Ocular and Whole-body Distribution of Natural Sunlight to Kiteboarders: A High-risk Case of UVR Exposure for Athletes Utilizing Water Surfaces in Sport. <i>Photochemistry and Photobiology</i> , 2020, 96, 926-935.	2.5	8
8	Glass transmitted solar irradiances on horizontal and sun-normal planes evaluated with a smartphone camera. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 153, 107410.	5.0	2
9	A review on the ability of smartphones to detect ultraviolet (UV) radiation and their potential to be used in UV research and for public education purposes. <i>Science of the Total Environment</i> , 2020, 706, 135873.	8.0	34
10	Solar Blue Light Radiation Enhancement during Mid to Low Solar Elevation Periods under Cloud Affected Skies. <i>Sensors</i> , 2020, 20, 4105.	3.8	3
11	Evaluation of shade profiles while walking in urban environments: A case study from inner suburban Sydney, Australia. <i>Building and Environment</i> , 2020, 177, 106873.	6.9	5
12	Assessment of Biologically Effective Solar Ultraviolet Exposures for Court Staff and Competitors During a Major Australian Tennis Tournament. <i>Photochemistry and Photobiology</i> , 2019, 95, 1461-1467.	2.5	6
13	Cloud segmentation property extraction from total sky image repositories using Python. <i>Instrumentation Science and Technology</i> , 2019, 47, 522-534.	1.8	5
14	Development of a model for calculating the solar ultraviolet protection factor of small to medium sized built shade structures. <i>Building and Environment</i> , 2019, 147, 415-421.	6.9	11
15	Seasonal Minimum and Maximum Solar Ultraviolet Exposure Measurements of Classroom Teachers Residing in Tropical North Queensland, Australia. <i>Photochemistry and Photobiology</i> , 2019, 95, 1083-1093.	2.5	3
16	Median filters as a tool to determine dark noise thresholds in high resolution smartphone image sensors for scientific imaging. <i>Review of Scientific Instruments</i> , 2018, 89, 015003.	1.3	9
17	Comparative signal to noise ratio as a determinant to select smartphone image sensor colour channels for analysis in the UVB. <i>Sensors and Actuators A: Physical</i> , 2018, 272, 125-133.	4.1	7
18	Atmospheric total ozone column evaluation with a smartphone image sensor. <i>International Journal of Remote Sensing</i> , 2018, 39, 2766-2783.	2.9	8

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19	Students as toolmakers: refining the results in the accuracy and precision of a trigonometric activity. <i>International Journal of Mathematical Education in Science and Technology</i> , 2017, 48, 641-645.	1.4	0
20	Long-term UV dosimeter based on polyvinyl chloride for plant damage effective UV exposure measurements. <i>Agricultural and Forest Meteorology</i> , 2017, 243, 68-73.	4.8	3
21	Characterisation of a smartphone image sensor response to direct solar 305 nm irradiation at high air masses. <i>Science of the Total Environment</i> , 2017, 587-588, 407-413.	8.0	12
22	Detection of ultraviolet B radiation with internal smartphone sensors. <i>Instrumentation Science and Technology</i> , 2017, 45, 618-638.	1.8	12
23	Characterization of the corrosion of iron using a smartphone camera. <i>Instrumentation Science and Technology</i> , 2016, 44, 139-147.	1.8	14
24	Characterization of cloud cover with a smartphone camera. <i>Instrumentation Science and Technology</i> , 2016, 44, 23-34.	1.8	9
25	Solar current output as a function of sun elevation: students as toolmakers. <i>Physics Education</i> , 2015, 50, 657-661.	0.5	2
26	Broadband Direct UVA irradiance measurement for clear skies evaluated using a smartphone. <i>Radiation Protection Dosimetry</i> , 2015, 167, 485-489.	0.8	12
27	Evaluation of a Smartphone Sensor to Broadband and Narrowband Ultraviolet A Radiation. <i>Instrumentation Science and Technology</i> , 2015, 43, 283-289.	1.8	10
28	Smartphone-Based Android app for Determining $\langle \text{UVA} \rangle$ Aerosol Optical Depth and Direct Solar Irradiances. <i>Photochemistry and Photobiology</i> , 2014, 90, 233-237.	2.5	21
29	Measurements of occupational ultraviolet exposure and the implications of timetabled yard duty for school teachers in Queensland, Australia: Preliminary results. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 131, 84-89.	3.8	15
30	A METHOD FOR DETERMINING THE DARK RESPONSE FOR SCIENTIFIC IMAGING WITH SMARTPHONES. <i>Instrumentation Science and Technology</i> , 2014, 42, 586-592.	1.8	13
31	Evaluating $\langle \text{UVA} \rangle$ Aerosol Optical Depth using a Smartphone Camera. <i>Photochemistry and Photobiology</i> , 2013, 89, 1244-1248.	2.5	18
32	Characterization of a Smartphone Camera's Response to Ultraviolet $\langle \text{A} \rangle$ Radiation. <i>Photochemistry and Photobiology</i> , 2013, 89, 215-218.	2.5	34