

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	Characterization of a Smartphone Camera's Response to Ultraviolet <scp>A</scp> Radiation. Photochemistry and Photobiology, 2013, 89, 215-218.	2.5	34
2	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. Science of the Total Environment, 2020, 706, 135873.	8.0	34
3	Smartphone-Based Android app for Determining <scp>UVA</scp> Aerosol Optical Depth and Direct Solar Irradiances. Photochemistry and Photobiology, 2014, 90, 233-237.	2.5	21
4	Evaluating <scp>UVA</scp> Aerosol Optical Depth using a Smartphone Camera. Photochemistry and Photobiology, 2013, 89, 1244-1248.	2.5	18
5	Measurements of occupational ultraviolet exposure and the implications of timetabled yard duty for school teachers in Queensland, Australia: Preliminary results. Journal of Photochemistry and Photobiology B: Biology, 2014, 131, 84-89.	3.8	15
6	Cloud Affected Solar UV Prediction With Three-Phase Wavelet Hybrid Convolutional Long Short-Term Memory Network Multi-Step Forecast System. IEEE Access, 2022, 10, 24704-24720.	4.2	15
7	Characterization of the corrosion of iron using a smartphone camera. Instrumentation Science and Technology, 2016, 44, 139-147.	1.8	14
8	Biologically effective solar ultraviolet exposures and the potential skin cancer risk for individual gold medalists of the 2020 Tokyo Summer Olympic Games. Temperature, 2020, 7, 89-108.	3.0	14
9	A METHOD FOR DETERMINING THE DARK RESPONSE FOR SCIENTIFIC IMAGING WITH SMARTPHONES. Instrumentation Science and Technology, 2014, 42, 586-592.	1.8	13
10	Broadband Direct UVA irradiance measurement for clear skies evaluated using a smartphone. Radiation Protection Dosimetry, 2015, 167, 485-489.	0.8	12
11	Characterisation of a smartphone image sensor response to direct solar 305 nm irradiation at high air masses. Science of the Total Environment, 2017, 587-588, 407-413.	8.0	12
12	Detection of ultraviolet B radiation with internal smartphone sensors. Instrumentation Science and Technology, 2017, 45, 618-638.	1.8	12
13	Development of a model for calculating the solar ultraviolet protection factor of small to medium sized built shade structures. Building and Environment, 2019, 147, 415-421.	6.9	11
14	Evaluation of a Smartphone Sensor to Broadband and Narrowband Ultraviolet A Radiation. Instrumentation Science and Technology, 2015, 43, 283-289.	1.8	10
15	Satellite Monitoring of Environmental Solar Ultraviolet A (UVA) Exposure and Irradiance: A Review of OMI and GOME-2. Remote Sensing, 2021, 13, 752.	4.0	10
16	Characterization of cloud cover with a smartphone camera. Instrumentation Science and Technology, 2016, 44, 23-34.	1.8	9
17	Median filters as a tool to determine dark noise thresholds in high resolution smartphone image sensors for scientific imaging. Review of Scientific Instruments, 2018, 89, 015003.	1.3	9
18	Atmospheric total ozone column evaluation with a smartphone image sensor. International Journal of Remote Sensing, 2018, 39, 2766-2783.	2.9	8

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Cloud segmentation property extraction from total sky image repositories using Python. <i>Instrumentation Science and Technology</i> , 2019, 47, 522-534.	1.8	5
23	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
24	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
25	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
26	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
27	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
28	Solar current output as a function of sun elevation: students as toolmakers. <i>Physics Education</i> , 2015, 50, 657-661.	0.5	2
29	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
30	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
31	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
32	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