

Joseph L Garrett

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

669
citations

687363

13
h-index

713466

21
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27
all docs

27
docs citations

27
times ranked

1131
citing authors

#	ARTICLE	IF	CITATIONS
1	Ocean Color Hyperspectral Remote Sensing With High Resolution and Low Latencyâ€”The HYPSO-1 CubeSat Mission. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	25
2	Detection of different chemical binders in coatings using hyperspectral imaging. Journal of Coatings Technology Research, 2022, 19, 559-574.	2.5	5
3	A Satellite-USV System for Persistent Observation of Mesoscale Oceanographic Phenomena. Remote Sensing, 2021, 13, 3229.	4.0	15
4	An Agile Systems Engineering Analysis of Socioâ€”technical Aspects of a Universityâ€”built CubeSat. Insight, 2021, 24, 21-26.	0.3	0
5	Self-Organizing Maps for Clustering Hyperspectral Images On-Board a CubeSat. Remote Sensing, 2021, 13, 4174.	4.0	7
6	Correlated Electrical and Chemical Nanoscale Properties in Potassiumâ€”Passivated, Tripleâ€”Cation Perovskite Solar Cells. Advanced Materials Interfaces, 2020, 7, 2000515.	3.7	4
7	Measuring the effect of electrostatic patch potentials in Casimir force experiments. Physical Review Research, 2020, 2, .	3.6	17
8	Sensitivity and accuracy of Casimir force measurements in air. Physical Review A, 2019, 100, .	2.5	7
9	Optoelectronic Devices on Index-near-Zero Substrates. ACS Photonics, 2019, 6, 2238-2244.	6.6	15
10	The Effects of Incident Photon Energy on the Time-Dependent Voltage Response of Lead Halide Perovskites. Chemistry of Materials, 2019, 31, 8969-8976.	6.7	10
11	Interfacial Defect-Mediated Near-Infrared Silicon Photodetection with Metal Oxides. ACS Applied Materials & Interfaces, 2019, 11, 47516-47524.	8.0	4
12	Cesium-Incorporated Triple Cation Perovskites Deliver Fully Reversible and Stable Nanoscale Voltage Response. ACS Nano, 2019, 13, 1538-1546.	14.6	21
13	Measurement of the Casimir Force between Two Spheres. Physical Review Letters, 2018, 120, 040401.	7.8	64
14	Measurement of the Casimir torque. Nature, 2018, 564, 386-389.	27.8	72
15	Multiscale Functional Imaging of Interfaces through Atomic Force Microscopy Using Harmonic Mixing. ACS Applied Materials & Interfaces, 2018, 10, 28850-28859.	8.0	13
16	Real-Time Nanoscale Open-Circuit Voltage Dynamics of Perovskite Solar Cells. Nano Letters, 2017, 17, 2554-2560.	9.1	111
17	Effect of lateral tip motion on multifrequency atomic force microscopy. Applied Physics Letters, 2017, 111, 043105.	3.3	8
18	Mapping V_{oc} in polycrystalline solar cells with nanoscale spatial resolution. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Fast, high-resolution surface potential measurements in air with heterodyne Kelvin probe force microscopy. <i>Nanotechnology</i> , 2016, 27, 245705.	2.6	60
20	Mid-infrared time-resolved photoconduction in black phosphorus. <i>2D Materials</i> , 2016, 3, 041006.	4.4	52
21	Nanoimaging of Open-Circuit Voltage in Photovoltaic Devices. <i>Advanced Energy Materials</i> , 2015, 5, 1501142.	19.5	79
22	The effect of patch potentials in Casimir force measurements determined by heterodyne Kelvin probe force microscopy. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 214012.	1.8	42
23	Quantitative measurement of radiation pressure on a microcantilever in ambient environment. <i>Applied Physics Letters</i> , 2015, 106, 091107.	3.3	36
24	Radiation Pressure Measurement under Ambient Conditions Using a Microcantilever. , 2015, , .		0
25	Assessing local voltage in CIGS solar cells by nanoscale resolved Kelvin Probe Force Microscopy and sub-micron photoluminescence. , 2014, , .		2