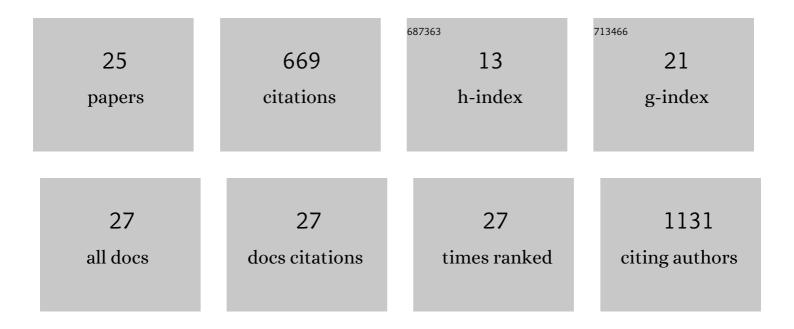
Joseph L Garrett

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Real-Time Nanoscale Open-Circuit Voltage Dynamics of Perovskite Solar Cells. Nano Letters, 2017, 17, 2554-2560.	9.1	111
2	Nanoimaging of Open ircuit Voltage in Photovoltaic Devices. Advanced Energy Materials, 2015, 5, 1501142.	19.5	79
3	Measurement of the Casimir torque. Nature, 2018, 564, 386-389.	27.8	72
4	Measurement of the Casimir Force between Two Spheres. Physical Review Letters, 2018, 120, 040401.	7.8	64
5	Fast, high-resolution surface potential measurements in air with heterodyne Kelvin probe force microscopy. Nanotechnology, 2016, 27, 245705.	2.6	60
6	Mid-infrared time-resolved photoconduction in black phosphorus. 2D Materials, 2016, 3, 041006.	4.4	52
7	The effect of patch potentials in Casimir force measurements determined by heterodyne Kelvin probe force microscopy. Journal of Physics Condensed Matter, 2015, 27, 214012.	1.8	42
8	Quantitative measurement of radiation pressure on a microcantilever in ambient environment. Applied Physics Letters, 2015, 106, 091107.	3.3	36
9	Ocean Color Hyperspectral Remote Sensing With High Resolution and Low Latency—The HYPSO-1 CubeSat Mission. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	25
10	Cesium-Incorporated Triple Cation Perovskites Deliver Fully Reversible and Stable Nanoscale Voltage Response. ACS Nano, 2019, 13, 1538-1546.	14.6	21
11	Measuring the effect of electrostatic patch potentials in Casimir force experiments. Physical Review Research, 2020, 2, .	3.6	17
12	Optoelectronic Devices on Index-near-Zero Substrates. ACS Photonics, 2019, 6, 2238-2244.	6.6	15
13	A Satellite-USV System for Persistent Observation of Mesoscale Oceanographic Phenomena. Remote Sensing, 2021, 13, 3229.	4.0	15
14	Multiscale Functional Imaging of Interfaces through Atomic Force Microscopy Using Harmonic Mixing. ACS Applied Materials & Interfaces, 2018, 10, 28850-28859.	8.0	13
15	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
16	Effect of lateral tip motion on multifrequency atomic force microscopy. Applied Physics Letters, 2017, 111, 043105.	3.3	8
17	Sensitivity and accuracy of Casimir force measurements in air. Physical Review A, 2019, 100, .	2.5	7
18	Self-Organizing Maps for Clustering Hyperspectral Images On-Board a CubeSat. Remote Sensing, 2021, 13, 4174.	4.0	7

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#	Article	IF	CITATIONS
19	Detection of different chemical binders in coatings using hyperspectral imaging. Journal of Coatings Technology Research, 2022, 19, 559-574.	2.5	5
20	Interfacial Defect-Mediated Near-Infrared Silicon Photodetection with Metal Oxides. ACS Applied Materials & amp; Interfaces, 2019, 11, 47516-47524.	8.0	4
21	Correlated Electrical and Chemical Nanoscale Properties in Potassiumâ€Passivated, Tripleâ€Cation Perovskite Solar Cells. Advanced Materials Interfaces, 2020, 7, 2000515.	3.7	4
22	Assessing local voltage in CIGS solar cells by nanoscale resolved Kelvin Probe Force Microscopy and sub-micron photoluminescence. , 2014, , .		2
23	Mapping V <inf>oc</inf> in polycrystalline solar cells with nanoscale spatial resolution. , 2016, , .		0
24	An Agile Systems Engineering Analysis of Socioâ€ŧechnical Aspects of a Universityâ€built CubeSat. Insight, 2021, 24, 21-26.	0.3	0
25	Radiation Pressure Measurement under Ambient Conditions Using a Microcantilever. , 2015, , .		0