

Paul H Rekemeyer

List of Publications by Year in descending order

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14
papers

590
citations

1040056

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1281871

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docs citations

14
times ranked

1333
citing authors

#	ARTICLE	IF	CITATIONS
1	ZnO Nanowire Arrays for Enhanced Photocurrent in PbS Quantum Dot Solar Cells. <i>Advanced Materials</i> , 2013, 25, 2790-2796.	21.0	251
2	Silicon-in-silica spheres via axial thermal gradient in-fibre capillary instabilities. <i>Nature Communications</i> , 2013, 4, 2216.	12.8	90
3	Enhanced Photocurrent in PbS Quantum Dot Photovoltaics via ZnO Nanowires and Band Alignment Engineering. <i>Advanced Energy Materials</i> , 2016, 6, 1600848.	19.5	66
4	Simultaneous high crystallinity and sub-bandgap optical absorptance in hyperdoped black silicon using nanosecond laser annealing. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	45
5	Thermal properties of mid-infrared colloidal quantum dot detectors. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	43
6	Minority Carrier Transport in Lead Sulfide Quantum Dot Photovoltaics. <i>Nano Letters</i> , 2017, 17, 6221-6227.	9.1	33
7	A Two-Step Absorber Deposition Approach To Overcome Shunt Losses in Thin-Film Solar Cells: Using Tin Sulfide as a Proof-of-Concept Material System. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22664-22670.	8.0	22
8	Dimension- and Surface-Tailored ZnO Nanowires Enhance Charge Collection in Quantum Dot Photovoltaic Devices. <i>ACS Applied Energy Materials</i> , 2018, 1, 1815-1822.	5.1	21
9	Improved efficiency in organic/inorganic hybrid solar cells by interfacial modification of ZnO nanowires with small molecules. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 394016.	2.8	9
10	Effects of Voltage Biasing on Current Extraction in Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1701378.	19.5	7
11	ZnO Nanowire Arrays for Enhanced Photocurrent in PbS Quantum Dot Solar Cells (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	21.0	2
12	Device engineering towards improved tin sulfide solar cell performance and performance reproducibility. , 2016, , .		1
13	Improvement of minority-carrier lifetime in tin monosulfide via substrate engineering. , 2016, , .		0
14	Nanowire-Based Bulk Heterojunction Solar Cells. <i>Semiconductors and Semimetals</i> , 2018, , 479-527.	0.7	0