

Matthew M Ackerman

List of Publications by Year in descending order

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14
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978
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933447

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times ranked

957
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-band infrared imaging using stacked colloidal quantum dot photodiodes. <i>Nature Photonics</i> , 2019, 13, 277-282.	31.4	303
2	Fast and Sensitive Colloidal Quantum Dot Mid-Wave Infrared Photodetectors. <i>ACS Nano</i> , 2018, 12, 7264-7271.	14.6	182
3	Thermal Imaging with Plasmon Resonance Enhanced HgTe Colloidal Quantum Dot Photovoltaic Devices. <i>ACS Nano</i> , 2018, 12, 7362-7370.	14.6	134
4	Towards Infrared Electronic Eyes: Flexible Colloidal Quantum Dot Photovoltaic Detectors Enhanced by Resonant Cavity. <i>Small</i> , 2019, 15, e1804920.	10.0	73
5	Colloidal quantum dots for infrared detection beyond silicon. <i>Journal of Chemical Physics</i> , 2019, 151, .	3.0	63
6	Mid-IR colloidal quantum dot detectors enhanced by optical nano-antennas. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	54
7	HgTe colloidal quantum dot photodiodes for extended short-wave infrared detection. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	49
8	Acquisition of Hyperspectral Data with Colloidal Quantum Dots. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900165.	8.7	40
9	Colloidal Quantum-Dots/Graphene/Silicon Dual-Channel Detection of Visible Light and Short-Wave Infrared. <i>ACS Photonics</i> , 2020, 7, 1117-1121.	6.6	37
10	Direct Imprinting of Quasi-3D Nanophotonic Structures into Colloidal Quantum-Dot Devices. <i>Advanced Materials</i> , 2020, 32, e1906590.	21.0	27
11	Technetium incorporation in scheelite: insights from first-principles. <i>Dalton Transactions</i> , 2016, 45, 18171-18176.	3.3	8
12	Bringing Colloidal Quantum Dots to Detector Technologies. <i>Information Display</i> , 2020, 36, 19-23.	0.2	5
13	Colloidal quantum dots based infrared electronic eyes for multispectral imaging. , 2019, , .		3
14	Narrow-Gap HgTe Colloidal Quantum Dot Infrared Photodetectors. , 2019, , .		0