

# Matthew M Ackerman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/197646/publications.pdf>

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14  
papers

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citations

933447

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1199594

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14  
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docs citations

14  
times ranked

957  
citing authors

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