

Sean E Keuleyan

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,799
citations

471509

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2052
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid In Situ Ligand Exchange Process Used to Prepare 3D PbSe Nanocrystal Superlattice Infrared Photodetectors. <i>Small</i> , 2021, 17, e2101166.	10.0	4
2	Infrared Photodetectors: Rapid In Situ Ligand Exchange Process Used to Prepare 3D PbSe Nanocrystal Superlattice Infrared Photodetectors (<i>Small</i> 25/2021). <i>Small</i> , 2021, 17, 2170124.	10.0	0
3	Charge Dynamics and Optoelectronic Properties in HgTe Colloidal Quantum Wells. <i>Nano Letters</i> , 2017, 17, 4067-4074.	9.1	48
4	HgSe Self-Doped Nanocrystals as a Platform to Investigate the Effects of Vanishing Confinement. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36173-36180.	8.0	40
5	Strongly Confined HgTe 2D Nanoplatelets as Narrow Near-Infrared Emitters. <i>Journal of the American Chemical Society</i> , 2016, 138, 10496-10501.	13.7	98
6	A Silicon-Based Two-Dimensional Chalcogenide: Growth of Si ₂ Te ₃ Nanoribbons and Nanoplates. <i>Nano Letters</i> , 2015, 15, 2285-2290.	9.1	55
7	Photoluminescence of Mid-Infrared HgTe Colloidal Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2749-2753.	3.1	76
8	Mercury Telluride Colloidal Quantum Dots: Electronic Structure, Size-Dependent Spectra, and Photocurrent Detection up to 12 μ m. <i>ACS Nano</i> , 2014, 8, 8676-8682.	14.6	130
9	Air-Stable n-Doped Colloidal HgS Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1139-1143.	4.6	110
10	Colloidal quantum dots for mid-IR applications. <i>Infrared Physics and Technology</i> , 2013, 59, 133-136.	2.9	18
11	Mid-Infrared HgTe/As ₂ S ₃ Field Effect Transistors and Photodetectors. <i>Advanced Materials</i> , 2013, 25, 137-141.	21.0	108
12	Mid-IR Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2013, 25, 1272-1282.	6.7	64
13	Optical properties of HgTe colloidal quantum dots. <i>Nanotechnology</i> , 2012, 23, 175705.	2.6	87
14	Transport properties of mid-infrared colloidal quantum dot films. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
15	Colloidal HgTe Material for Low-Cost Detection into the MWIR. <i>Journal of Electronic Materials</i> , 2012, 41, 2725-2729.	2.2	18
16	n- and p-Type HgTe Quantum Dot Films. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1344-1349.	3.1	53
17	Synthesis of Colloidal HgTe Quantum Dots for Narrow Mid-IR Emission and Detection. <i>Journal of the American Chemical Society</i> , 2011, 133, 16422-16424.	13.7	248
18	Mid-infrared HgTe colloidal quantum dot photodetectors. <i>Nature Photonics</i> , 2011, 5, 489-493.	31.4	389

#	ARTICLE	IF	CITATIONS
19	Thermal properties of mid-infrared colloidal quantum dot detectors. Journal of Applied Physics, 2011, 110, .	2.5	43
20	Contact Angle Measurements Using a Simplified Experimental Setup. Journal of Chemical Education, 2010, 87, 1403-1407.	2.3	202