

Chase T Ellis

List of Publications by Year in descending order

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18
papers

1,703
citations

759233

12
h-index

839539

18
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18
all docs

18
docs citations

18
times ranked

2560
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural hyperbolicity in bulk calcite. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	3
2	Ultrafast Active Tuning of the Berreman Mode. <i>ACS Photonics</i> , 2020, 7, 279-287.	6.6	14
3	Plasmonic nanoarcs: a versatile platform with tunable localized surface plasmon resonances in octave intervals. <i>Optics Express</i> , 2020, 28, 30889.	3.4	2
4	Rapid Bimolecular and Defect-Assisted Carrier Recombination in Hexagonal Boron Nitride. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14689-14695.	3.1	2
5	Controlling the Infrared Dielectric Function through Atomic-Scale Heterostructures. <i>ACS Nano</i> , 2019, 13, 6730-6741.	14.6	33
6	Intrinsic Gap States in Semiconductors with Inverted Band Structure: Comparison of SnTe vs PbTe Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11974-11981.	3.1	2
7	Hybrid longitudinal-transverse phonon polaritons. <i>Nature Communications</i> , 2019, 10, 1682.	12.8	46
8	Back Surface Plasmonic Grating for Increased Quantum Efficiency of nBn Photodetectors With Ultra-Thin Metamorphic InAs _{0.8} Sb _{0.2} Absorber. <i>IEEE Journal of Quantum Electronics</i> , 2019, 55, 1-11.	1.9	1
9	Active tuning of surface phonon polariton resonances via carrier photoinjection. <i>Nature Photonics</i> , 2018, 12, 50-56.	31.4	102
10	Ultralow-loss polaritons in isotopically pure boron nitride. <i>Nature Materials</i> , 2018, 17, 134-139.	27.5	291
11	Synthesis and Characterization of PbS/ZnS Core/Shell Nanocrystals. <i>Chemistry of Materials</i> , 2018, 30, 4112-4123.	6.7	20
12	Effect of occupation of the excited states and phonon broadening on the determination of the hot carrier temperature from continuous wave photoluminescence in InGaAsP quantum well absorbers. <i>Progress in Photovoltaics: Research and Applications</i> , 2017, 25, 782-790.	8.1	27
13	Imaging of Anomalous Internal Reflections of Hyperbolic Phonon-Polaritons in Hexagonal Boron Nitride. <i>Nano Letters</i> , 2016, 16, 3858-3865.	9.1	106
14	Role of epsilon-near-zero substrates in the optical response of plasmonic antennas. <i>Optica</i> , 2016, 3, 339.	9.3	162
15	Resonant quantum efficiency enhancement of midwave infrared nBn photodetectors using one-dimensional plasmonic gratings. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	24
16	Spatially indirect radiative recombination in InAlAsSb grown lattice-matched to InP by molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2015, 117, 215704.	2.5	29
17	An extended hardness limit in bulk nanoceramics. <i>Acta Materialia</i> , 2014, 69, 9-16.	7.9	153
18	Sub-diffractive volume-confined polaritons in the natural hyperbolic material hexagonal boron nitride. <i>Nature Communications</i> , 2014, 5, 5221.	12.8	686