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 g-index
18 all docs	18 docs citations	18 times ranked	2560 citing authors

#	Article	IF	Citations
1	Sub-diffractional volume-confined polaritons in the natural hyperbolic material hexagonal boron nitride. Nature Communications, 2014, 5, 5221.	12.8	686
2	Ultralow-loss polaritons in isotopically pure boronÂnitride. Nature Materials, 2018, 17, 134-139.	27.5	291
3	Role of epsilon-near-zero substrates in the optical response of plasmonic antennas. Optica, 2016, 3, 339.	9.3	162
4	An extended hardness limit in bulk nanoceramics. Acta Materialia, 2014, 69, 9-16.	7.9	153
5	Imaging of Anomalous Internal Reflections of Hyperbolic Phonon-Polaritons in Hexagonal Boron Nitride. Nano Letters, 2016, 16, 3858-3865.	9.1	106
6	Active tuning of surface phonon polariton resonances via carrier photoinjection. Nature Photonics, 2018, 12, 50-56.	31.4	102
7	Hybrid longitudinal-transverse phonon polaritons. Nature Communications, 2019, 10, 1682.	12.8	46
8	Controlling the Infrared Dielectric Function through Atomic-Scale Heterostructures. ACS Nano, 2019, 13, 6730-6741.	14.6	33
9	Spatially indirect radiative recombination in InAlAsSb grown lattice-matched to InP by molecular beam epitaxy. Journal of Applied Physics, 2015, 117, 215704.	2.5	29
10	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. Progress in Photovoltaics: Research and Applications, 2017, 25, 782-790.	8.1	27
11	Resonant quantum efficiency enhancement of midwave infrared nBn photodetectors using one-dimensional plasmonic gratings. Applied Physics Letters, 2015, 106, .	3.3	24
12	Synthesis and Characterization of PbS/ZnS Core/Shell Nanocrystals. Chemistry of Materials, 2018, 30, 4112-4123.	6.7	20
13	Ultrafast Active Tuning of the Berreman Mode. ACS Photonics, 2020, 7, 279-287.	6.6	14
14	Natural hyperbolicity in bulk calcite. Journal of Applied Physics, 2021, 130, .	2.5	3
15	Rapid Bimolecular and Defect-Assisted Carrier Recombination in Hexagonal Boron Nitride. Journal of Physical Chemistry C, 2019, 123, 14689-14695.	3.1	2
16	Intrinsic Gap States in Semiconductors with Inverted Band Structure: Comparison of SnTe vs PbTe Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 11974-11981.	3.1	2
17	Plasmonic nanoarcs: a versatile platform with tunable localized surface plasmon resonances in octave intervals. Optics Express, 2020, 28, 30889.	3.4	2
18	Back Surface Plasmonic Grating for Increased Quantum Efficiency of nBn Photodetectors With Ultra-Thin Metamorphic InAs0.8Sb0.2 Absorber. IEEE Journal of Quantum Electronics, 2019, 55, 1-11.	1.9	1