Evan L Runnerstrom

List of Publications by Year
in descending order

23 papers	2,463 citations	471509 17 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	3325 citing authors

#	Article	IF	Citations
1	Dynamically Modulating the Surface Plasmon Resonance of Doped Semiconductor Nanocrystals. Nano Letters, 2011, 11, 4415-4420.	9.1	491
2	Nanostructured electrochromic smart windows: traditional materials and NIR-selective plasmonic nanocrystals. Chemical Communications, 2014, 50, 10555-10572.	4.1	422
3	Switchable Materials for Smart Windows. Annual Review of Chemical and Biomolecular Engineering, 2016, 7, 283-304.	6.8	367
4	Defect Chemistry and Plasmon Physics of Colloidal Metal Oxide Nanocrystals. Journal of Physical Chemistry Letters, 2014, 5, 1564-1574.	4.6	218
5	Influence of Dopant Distribution on the Plasmonic Properties of Indium Tin Oxide Nanocrystals. Journal of the American Chemical Society, 2014, 136, 7110-7116.	13.7	160
6	High-harmonic generation from an epsilon-near-zero material. Nature Physics, 2019, 15, 1022-1026.	16.7	137
7	Nearâ€Infrared Spectrally Selective Plasmonic Electrochromic Thin Films. Advanced Optical Materials, 2013, 1, 215-220.	7.3	123
8	Defect Engineering in Plasmonic Metal Oxide Nanocrystals. Nano Letters, 2016, 16, 3390-3398.	9.1	122
9	Direct observation of narrow mid-infrared plasmon linewidths of single metal oxide nanocrystals. Nature Communications, 2016, 7, 11583.	12.8	78
10	Epsilon-near-Zero Modes and Surface Plasmon Resonance in Fluorine-Doped Cadmium Oxide Thin Films. ACS Photonics, 2017, 4, 1885-1892.	6.6	69
11	Polaritonic Hybrid-Epsilon-near-Zero Modes: Beating the Plasmonic Confinement vs Propagation-Length Trade-Off with Doped Cadmium Oxide Bilayers. Nano Letters, 2019, 19, 948-957.	9.1	61
12	Long-lived modulation of plasmonic absorption by ballistic thermal injection. Nature Nanotechnology, 2021, 16, 47-51.	31.5	40
13	Multiple Epsilon-Near-Zero Resonances in Multilayered Cadmium Oxide: Designing Metamaterial-Like Optical Properties in Monolithic Materials. ACS Photonics, 2019, 6, 1139-1145.	6.6	33
14	Viscoelastic optical nonlocality of low-loss epsilon-near-zero nanofilms. Scientific Reports, 2018, 8, 9335.	3.3	30
15	Rationalizing the Impact of Surface Depletion on Electrochemical Modulation of Plasmon Resonance Absorption in Metal Oxide Nanocrystals. ACS Photonics, 2018, 5, 2044-2050.	6.6	29
16	Charge carrier concentration dependence of ultrafast plasmonic relaxation in conducting metal oxide nanocrystals. Journal of Materials Chemistry C, 2017, 5, 5757-5763.	5.5	20
17	Hot Electron Thermoreflectance Coefficient of Gold during Electronâ€“Phonon Nonequilibrium. ACS Photonics, 2018, 5, 4880-4887.	6.6	20
18	Ultraviolet to far-infrared dielectric function of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>n</mml:mi></mml:mrow></mml:math -doped cadmium oxide thin films. Physical Review Materials, 2020, 4, .	2.4	16

#	Article	IF	Citations
19	Mid-wave to near-IR optoelectronic properties and epsilon-near-zero behavior in indium-doped cadmium oxide. Physical Review Materials, 2021, 5, .	2.4	12
20	Colloidal Nanocrystal Films Reveal the Mechanism for Intermediate Temperature Proton Conductivity in Porous Ceramics. Journal of Physical Chemistry C, 2018, 122, 13624-13635.	3.1	10
21	Charge confinement and thermal transport processes in modulation-doped epitaxial crystals lacking lattice interfaces. Physical Review Materials, 2019, 3, .	2.4	2
22	Photonically Tunable MIR Epsilon-Near Zero Modes in CdO Thin Films. , 2018, , .		2
23	Effects of strain, disorder, and Coulomb screening on free-carrier mobility in doped cadmium oxide. Journal of Applied Physics, 2021, 130, 195105.	2.5	1