

Evan L Runnerstrom

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,463
citations

471509

17
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677142

22
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all docs

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docs citations

23
times ranked

3325
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-lived modulation of plasmonic absorption by ballistic thermal injection. <i>Nature Nanotechnology</i> , 2021, 16, 47-51.	31.5	40
2	Mid-wave to near-IR optoelectronic properties and epsilon-near-zero behavior in indium-doped cadmium oxide. <i>Physical Review Materials</i> , 2021, 5, .	2.4	12
3	Effects of strain, disorder, and Coulomb screening on free-carrier mobility in doped cadmium oxide. <i>Journal of Applied Physics</i> , 2021, 130, 195105.	2.5	1
4	Ultraviolet to far-infrared dielectric function of $\text{In}_{x}\text{Cd}_{1-x}\text{O}$ thin films. <i>Physical Review Materials</i> , 2020, 4, .	2.4	16
5	High-harmonic generation from an epsilon-near-zero material. <i>Nature Physics</i> , 2019, 15, 1022-1026.	16.7	137
6	Multiple Epsilon-Near-Zero Resonances in Multilayered Cadmium Oxide: Designing Metamaterial-Like Optical Properties in Monolithic Materials. <i>ACS Photonics</i> , 2019, 6, 1139-1145.	6.6	33
7	Polaritonic Hybrid-Epsilon-near-Zero Modes: Beating the Plasmonic Confinement vs Propagation-Length Trade-Off with Doped Cadmium Oxide Bilayers. <i>Nano Letters</i> , 2019, 19, 948-957.	9.1	61
8	Charge confinement and thermal transport processes in modulation-doped epitaxial crystals lacking lattice interfaces. <i>Physical Review Materials</i> , 2019, 3, .	2.4	2
9	Colloidal Nanocrystal Films Reveal the Mechanism for Intermediate Temperature Proton Conductivity in Porous Ceramics. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13624-13635.	3.1	10
10	Rationalizing the Impact of Surface Depletion on Electrochemical Modulation of Plasmon Resonance Absorption in Metal Oxide Nanocrystals. <i>ACS Photonics</i> , 2018, 5, 2044-2050.	6.6	29
11	Hot Electron Thermoreflectance Coefficient of Gold during Electron-Phonon Nonequilibrium. <i>ACS Photonics</i> , 2018, 5, 4880-4887.	6.6	20
12	Viscoelastic optical nonlocality of low-loss epsilon-near-zero nanofilms. <i>Scientific Reports</i> , 2018, 8, 9335.	3.3	30
13	Photonically Tunable MIR Epsilon-Near Zero Modes in CdO Thin Films. , 2018, , .		2
14	Charge carrier concentration dependence of ultrafast plasmonic relaxation in conducting metal oxide nanocrystals. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5757-5763.	5.5	20
15	Epsilon-near-Zero Modes and Surface Plasmon Resonance in Fluorine-Doped Cadmium Oxide Thin Films. <i>ACS Photonics</i> , 2017, 4, 1885-1892.	6.6	69
16	Direct observation of narrow mid-infrared plasmon linewidths of single metal oxide nanocrystals. <i>Nature Communications</i> , 2016, 7, 11583.	12.8	78
17	Defect Engineering in Plasmonic Metal Oxide Nanocrystals. <i>Nano Letters</i> , 2016, 16, 3390-3398.	9.1	122
18	Switchable Materials for Smart Windows. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2016, 7, 283-304.	6.8	367

#	ARTICLE	IF	CITATIONS
19	Defect Chemistry and Plasmon Physics of Colloidal Metal Oxide Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1564-1574.	4.6	218
20	Influence of Dopant Distribution on the Plasmonic Properties of Indium Tin Oxide Nanocrystals. <i>Journal of the American Chemical Society</i> , 2014, 136, 7110-7116.	13.7	160
21	Nanostructured electrochromic smart windows: traditional materials and NIR-selective plasmonic nanocrystals. <i>Chemical Communications</i> , 2014, 50, 10555-10572.	4.1	422
22	Near-Infrared Spectrally Selective Plasmonic Electrochromic Thin Films. <i>Advanced Optical Materials</i> , 2013, 1, 215-220.	7.3	123
23	Dynamically Modulating the Surface Plasmon Resonance of Doped Semiconductor Nanocrystals. <i>Nano Letters</i> , 2011, 11, 4415-4420.	9.1	491