

Wayne Dickson

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

577
citations

933447

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1125743

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19
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19
times ranked

997
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational design of bimetallic photocatalysts based on plasmonically-derived hot carriers. <i>Nanoscale Advances</i> , 2021, 3, 767-780.	4.6	11
2	Optoelectronic Synapses Based on Hot-Electron-Induced Chemical Processes. <i>Nano Letters</i> , 2020, 20, 1536-1541.	9.1	19
3	Reconfigurable cavity-based plasmonic platform for resonantly enhanced sub-bandgap photodetection. <i>Journal of Applied Physics</i> , 2020, 128, 203101.	2.5	4
4	Plasmonic Metamaterials for Nanochemistry and Sensing. <i>Accounts of Chemical Research</i> , 2019, 52, 3018-3028.	15.6	85
5	Optimizing hot carrier effects in Pt-decorated plasmonic heterostructures. <i>Faraday Discussions</i> , 2019, 214, 387-397.	3.2	15
6	Reactive tunnel junctions in electrically driven plasmonic nanorod metamaterials. <i>Nature Nanotechnology</i> , 2018, 13, 159-164.	31.5	95
7	Synergistic effects in combinational drug delivery and thermal ablation using nanotechnology. <i>BJU International</i> , 2017, 119, 198-200.	2.5	0
8	Universal switching of plasmonic signals using optical resonator modes. <i>Light: Science and Applications</i> , 2017, 6, e16237-e16237.	16.6	20
9	Spontaneous Emission inside a Hyperbolic Metamaterial Waveguide. <i>ACS Photonics</i> , 2017, 4, 2513-2521.	6.6	43
10	Controlling field enhancement with plasmonic nanocone metamaterials. , 2017, , .		0
11	Nonlinear optics and optomechanics with plasmonic metamaterials. , 2016, , .		0
12	Integrated plasmonic circuitry on a vertical-cavity surface-emitting semiconductor laser platform. <i>Nature Communications</i> , 2016, 7, 12409.	12.8	24
13	Hyperbolic Polaritonic Crystals Based on Nanostructured Nanorod Metamaterials. <i>Advanced Materials</i> , 2015, 27, 5974-5980.	21.0	30
14	Bulk plasmon-polaritons in hyperbolic nanorod metamaterial waveguides. <i>Laser and Photonics Reviews</i> , 2015, 9, 345-353.	8.7	104
15	Eliminating material constraints for nonlinearity with plasmonic metamaterials. <i>Nature Communications</i> , 2015, 6, 7757.	12.8	123
16	Anisotropic plasmonic metamaterials for nanophotonic applications. , 2014, , .		0