

# Wayne Dickson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9578565/publications.pdf>

Version: 2024-02-01

16  
papers

577  
citations

933447

10  
h-index

1125743

13  
g-index

19  
all docs

19  
docs citations

19  
times ranked

997  
citing authors

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