

Mazhar E Nasir

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

785
citations

12
h-index

28
g-index

48
ext. papers

1,007
ext. citations

10.5
avg, IF

4.21
L-index

#	Paper	IF	Citations
27	Ultrafast synthesis and switching of light polarization in nonlinear anisotropic metamaterials. <i>Nature Photonics</i> , 2017 , 11, 628-633	33.9	153
26	Eliminating material constraints for nonlinearity with plasmonic metamaterials. <i>Nature Communications</i> , 2015 , 6, 7757	17.4	94
25	Bulk plasmon-polaritons in hyperbolic nanorod metamaterial waveguides. <i>Laser and Photonics Reviews</i> , 2015 , 9, 345-353	8.3	86
24	Hydrogen detected by the naked eye: optical hydrogen gas sensors based on core/shell plasmonic nanorod metamaterials. <i>Advanced Materials</i> , 2014 , 26, 3532-7	24	81
23	Reactive tunnel junctions in electrically driven plasmonic nanorod metamaterials. <i>Nature Nanotechnology</i> , 2018 , 13, 159-164	28.7	69
22	Spontaneous emission in non-local materials. <i>Light: Science and Applications</i> , 2017 , 6, e16273	16.7	61
21	Plasmonic Metamaterials for Nanochemistry and Sensing. <i>Accounts of Chemical Research</i> , 2019 , 52, 3018-3028	24.3	47
20	Tuning the effective plasma frequency of nanorod metamaterials from visible to telecom wavelengths. <i>Applied Physics Letters</i> , 2015 , 107, 121110	3.4	29
19	Designer photonic dynamics by using non-uniform electron temperature distribution for on-demand all-optical switching times. <i>Nature Communications</i> , 2019 , 10, 2967	17.4	21
18	Circular dichroism enhancement in plasmonic nanorod metamaterials. <i>Optics Express</i> , 2018 , 26, 17841-17848	3.9	20
17	Magneto-Optical Metamaterials: Nonreciprocal Transmission and Faraday Effect Enhancement. <i>Advanced Optical Materials</i> , 2019 , 7, 1801420	8.1	17
16	Faster Resonance Energy Transfer inside Hyperbolic Metamaterials. <i>ACS Photonics</i> , 2018 , 5, 4594-4603	6.3	16
15	Optimizing hot carrier effects in Pt-decorated plasmonic heterostructures. <i>Faraday Discussions</i> , 2019 , 214, 387-397	3.6	12
14	Optoelectronic Synapses Based on Hot-Electron-Induced Chemical Processes. <i>Nano Letters</i> , 2020 , 20, 1536-1541	11.5	11
13	Structural second-order nonlinearity in plasmonic metamaterials. <i>Optica</i> , 2018 , 5, 1502	8.6	10
12	The fabrication of mono-domain highly ordered nanoporous alumina on a wafer scale by a guided electric field. <i>Nanotechnology</i> , 2010 , 21, 105303	3.4	9
11	Singlet-Triplet Transition Rate Enhancement inside Hyperbolic Metamaterials. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900101	8.3	8

10	Angle dependent optical properties of polymer films with a biomimetic anti-reflecting surface replicated from cylindrical and tapered nanoporous alumina. <i>Nanotechnology</i> , 2012 , 23, 155302	3-4	7
9	Nanocone-based plasmonic metamaterials. <i>Nanotechnology</i> , 2019 , 30, 055301	3-4	7
8	Enhanced light extraction in nitride light-emitting diodes by epitaxially grown photonic-crystal nanopyramid arrays. <i>Applied Physics Letters</i> , 2009 , 95, 123120	3-4	6
7	Optical measurements of nanoporous anodic alumina formed on Si using novel X-ray spectroscopy set up CLASSIX. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010 , 268, 251-253	1-2	6
6	Tunneling-induced broadband and tunable optical emission from plasmonic nanorod metamaterials. <i>Nanophotonics</i> , 2020 , 9, 427-434	6-3	5
5	Measurement of the physical and electronic properties of ordered nanoporous alumina using XUV excitation spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 195404	3	5
4	Nonlocality-enabled pulse management in epsilon-near-zero metamaterials.. <i>Advanced Materials</i> , 2022 , e2107023	24	2
3	Optical hydrogen sensors based on Au/Pd core shell nanorod arrays 2013 ,		1
2	Mode Engineering in Large Arrays of Coupled Plasmonic Dielectric Nanoantennas. <i>Advanced Optical Materials</i> , 2021 , 9, 2001467	8-1	1
1	Angle-insensitive plasmonic nanorod metamaterial-based band-pass optical filters. <i>Optics Express</i> , 2021 , 29, 11562-11569	3-3	0