

Zhuoxian Wang

List of Publications by Year in descending order

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22
papers

2,015
citations

687363

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times ranked

3162
citing authors

#	ARTICLE	IF	CITATIONS
1	Enabling Optical Steganography, Data Storage, and Encryption with Plasmonic Colors. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000343.	8.7	56
2	Dynamically controlled random lasing with colloidal titanium carbide MXene. <i>Optical Materials Express</i> , 2020, 10, 2304.	3.0	1
3	Optical Properties of MXenes. , 2019, , 327-346.		12
4	Exploring Time-Resolved Multiphysics of Active Plasmonic Systems with Experiment-Based Gain Models. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800071.	8.7	9
5	Highly Broadband Absorber Using Plasmonic Titanium Carbide (MXene). <i>ACS Photonics</i> , 2018, 5, 1115-1122.	6.6	252
6	Plasmonic Titanium Nitride Nanostructures via Nitridation of Nanopatterned Titanium Dioxide. <i>Advanced Optical Materials</i> , 2017, 5, 1600717.	7.3	42
7	Lasing Action with Gold Nanorod Hyperbolic Metamaterials. <i>ACS Photonics</i> , 2017, 4, 674-680.	6.6	49
8	Broadband Hot-Electron Collection for Solar Water Splitting with Plasmonic Titanium Nitride. <i>Advanced Optical Materials</i> , 2017, 5, 1601031.	7.3	248
9	Plasmonics: Plasmonic Titanium Nitride Nanostructures via Nitridation of Nanopatterned Titanium Dioxide (<i>Advanced Optical Materials</i> 7/2017). <i>Advanced Optical Materials</i> , 2017, 5, .	7.3	0
10	Solar-Energy Harvesting: Broadband Hot-Electron Collection for Solar Water Splitting with Plasmonic Titanium Nitride (<i>Advanced Optical Materials</i> 15/2017). <i>Advanced Optical Materials</i> , 2017, 5, .	7.3	2
11	Nanolasers Enabled by Metallic Nanoparticles: From Spasers to Random Lasers. <i>Laser and Photonics Reviews</i> , 2017, 11, 1700212.	8.7	63
12	Angled physical vapor deposition techniques for non-conformal thin films and three-dimensional structures. <i>MRS Communications</i> , 2016, 6, 17-22.	1.8	12
13	Controlling Random Lasing with Three-Dimensional Plasmonic Nanorod Metamaterials. <i>Nano Letters</i> , 2016, 16, 2471-2477.	9.1	66
14	Time-resolved lasing dynamics for plasmonic system with gain (Presentation Recording). , 2015, , .		0
15	Broadband High-Efficiency Half-Wave Plate: A Supercell-Based Plasmonic Metasurface Approach. <i>ACS Nano</i> , 2015, 9, 4111-4119.	14.6	387
16	Controlling the radiation direction of propagating surface plasmons on silver nanowires. <i>Laser and Photonics Reviews</i> , 2014, 8, 596-601.	8.7	38
17	Electrical source of surface plasmon polaritons based on hybrid Au-GaAs QW structures. <i>Nanoscale</i> , 2013, 5, 8494.	5.6	13
18	Plasmonic Amplification with Ultra-High Optical Gain at Room Temperature. <i>Scientific Reports</i> , 2013, 3, 1967.	3.3	55

#	ARTICLE	IF	CITATIONS
19	Enormous Surface-Enhanced Raman Scattering from Dimers of Flower-Like Silver Mesoparticles. <i>Small</i> , 2012, 8, 3400-3405.	10.0	30
20	Cascaded logic gates in nanophotonic plasmon networks. <i>Nature Communications</i> , 2011, 2, 387.	12.8	412
21	Quantum Dot-Based Local Field Imaging Reveals Plasmon-Based Interferometric Logic in Silver Nanowire Networks. <i>Nano Letters</i> , 2011, 11, 471-475.	9.1	267
22	Highly Broadband Absorber Using Plasmonic Titanium Carbide (MXene)., 0, .		1