

# Zhuoxian Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3017636/publications.pdf>

Version: 2024-02-01

22  
papers

2,015  
citations

687363

13  
h-index

839539

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g-index

22  
all docs

22  
docs citations

22  
times ranked

3162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cascaded logic gates in nanophotonic plasmon networks. Nature Communications, 2011, 2, 387.	12.8	412
2	Broadband High-Efficiency Half-Wave Plate: A Supercell-Based Plasmonic Metasurface Approach. ACS Nano, 2015, 9, 4111-4119.	14.6	387
3	Quantum Dot-Based Local Field Imaging Reveals Plasmon-Based Interferometric Logic in Silver Nanowire Networks. Nano Letters, 2011, 11, 471-475.	9.1	267
4	Highly Broadband Absorber Using Plasmonic Titanium Carbide (MXene). ACS Photonics, 2018, 5, 1115-1122.	6.6	252
5	Broadband Hot-Electron Collection for Solar Water Splitting with Plasmonic Titanium Nitride. Advanced Optical Materials, 2017, 5, 1601031.	7.3	248
6	Controlling Random Lasing with Three-Dimensional Plasmonic Nanorod Metamaterials. Nano Letters, 2016, 16, 2471-2477.	9.1	66
7	Nanolasers Enabled by Metallic Nanoparticles: From Spasers to Random Lasers. Laser and Photonics Reviews, 2017, 11, 1700212.	8.7	63
8	Enabling Optical Steganography, Data Storage, and Encryption with Plasmonic Colors. Laser and Photonics Reviews, 2021, 15, 2000343.	8.7	56
9	Plasmonic Amplification with Ultra-High Optical Gain at Room Temperature. Scientific Reports, 2013, 3, 1967.	3.3	55
10	Lasing Action with Gold Nanorod Hyperbolic Metamaterials. ACS Photonics, 2017, 4, 674-680.	6.6	49
11	Plasmonic Titanium Nitride Nanostructures via Nitridation of Nanopatterned Titanium Dioxide. Advanced Optical Materials, 2017, 5, 1600717.	7.3	42
12	Controlling the radiation direction of propagating surface plasmons on silver nanowires. Laser and Photonics Reviews, 2014, 8, 596-601.	8.7	38
13	Enormous Surface-Enhanced Raman Scattering from Dimers of Flower-Like Silver Mesoparticles. Small, 2012, 8, 3400-3405.	10.0	30
14	Electrical source of surface plasmon polaritons based on hybrid Au-GaAs QW structures. Nanoscale, 2013, 5, 8494.	5.6	13
15	Angled physical vapor deposition techniques for non-conformal thin films and three-dimensional structures. MRS Communications, 2016, 6, 17-22.	1.8	12
16	Optical Properties of MXenes. , 2019, , 327-346.		12
17	Exploring Time-Resolved Multiphysics of Active Plasmonic Systems with Experiment-Based Gain Models. Laser and Photonics Reviews, 2019, 13, 1800071.	8.7	9
18	Solar-Energy Harvesting: Broadband Hot-Electron Collection for Solar Water Splitting with Plasmonic Titanium Nitride (Advanced Optical Materials 15/2017). Advanced Optical Materials, 2017, 5, .	7.3	2

#	ARTICLE	IF	CITATIONS
19	Highly Broadband Absorber Using Plasmonic Titanium Carbide (MXene)., 0, .		1
20	Dynamically controlled random lasing with colloidal titanium carbide MXene. Optical Materials Express, 2020, 10, 2304.	3.0	1
21	Time-resolved lasing dynamics for plasmonic system with gain (Presentation Recording)., 2015, , .		0
22	Plasmonics: Plasmonic Titanium Nitride Nanostructures via Nitridation of Nanopatterned Titanium Dioxide (Advanced Optical Materials 7/2017). Advanced Optical Materials, 2017, 5, .	7.3	0