Xuan Liu

List of Publications by Year
in descending order

25 papers	777 citations	687363 13 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	1216 citing authors

#	Article	IF	Citations
1	Nonlinear wavefront engineering with metasurface decorated quartz crystal. Nanophotonics, 2022, 11, 797-803.	6.0	7
2	Giant enhancement of second-harmonic generation from a nanocavity metasurface. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	12
3	A dielectric metasurface optical chip for the generation of cold atoms. Science Advances, 2020, 6, eabb6667.	10.3	69
4	Nonlinear Diatomic Metasurface for Real and Fourier Space Image Encoding. Nano Letters, 2020, 20, 7463-7468.	9.1	30
5	Optical telescope with Cassegrain metasurfaces. Nanophotonics, 2020, 9, 3263-3269.	6.0	10
6	Optical Metasurfaces for Designing Planar Cassegrain-Schwarzschild Objectives. Physical Review Applied, 2019, 11, .	3.8	11
7	Pressureâ€Controlled Structural Symmetry Transition in Layered InSe. Laser and Photonics Reviews, 2019, 13, 1900012.	8.7	13
8	Cassegrain metasurface for generation of orbital angular momentum of light. Applied Physics Letters, 2019, 115, .	3.3	14
9	Observation of Rotational Doppler Effect in Second Harmonic Generation in Reflection Mode. Laser and Photonics Reviews, 2018, 12, 1700204.	8.7	19
10	A Thermodynamic Approach to Guide Reactive Element Doping: Hf Additions to NiCrAl. Oxidation of Metals, 2017, 87, 297-310.	2.1	11
11	A novel fabrication approach for three-dimensional hierarchical porous metal oxide/carbon nanocomposites for enhanced solar photocatalytic performance. Catalysis Science and Technology, 2017, 7, 1965-1970.	4.1	13
12	The grain boundary character distribution of highly twinned nanocrystalline thin film aluminum compared to bulk microcrystalline aluminum. Journal of Materials Science, 2017, 52, 9819-9833.	3.7	22
13	Fabrication of Hierarchical Porous Carbon Nanoflakes for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 34944-34953.	8.0	72
14	Bioâ€Nanotechnology in Highâ€Performance Supercapacitors. Advanced Energy Materials, 2017, 7, 1700592.	19.5	168
15	Interconnected honeycomb-like porous carbon derived from plane tree fluff for high performance supercapacitors. Journal of Materials Chemistry A, 2016, 4, 10869-10877.	10.3	83
16	Investigation on the Oxidation and Reduction of Titanium in Molten Salt with the Soluble TiC Anode. Metallurgical and Materials Transactions E, 2015, 2, 250-254.	0.5	4
17	Grain size dependence of the twin length fraction in nanocrystalline Cu thin films via transmission electron microscopy based orientation mapping. Journal of Materials Research, 2015, 30, 528-537.	2.6	13
18	Electrochemical Performance and Resistance Analysis of Li3V2(PO4)3/C Composite Cathode for Li Ion Battery. Metallurgical and Materials Transactions E, 2014, 1, 281-285.	0.5	0

#	Article	IF	Citations
19	Failure of semiclassical models to describe resistivity of nanometric, polycrystalline tungsten films. Journal of Applied Physics, 2014, 115, .	2.5	52
20	The Influence of Ti4+ Doping on the Electrical Conductivity and Synthetic Kinetics of NiFe2O4 Powders. Metallurgical and Materials Transactions E, 2014, 1, 2-7.	0.5	0
21	Comparison of crystal orientation mapping-based and image-based measurement of grain size and grain size distribution in a thin aluminum film. Acta Materialia, 2014, 79, 138-145.	7.9	18
22	The five-parameter grain boundary character distribution of nanocrystalline tungsten. Scripta Materialia, 2013, 69, 413-416.	5.2	34
23	Electrochemical performances of Cu6Sn5-modified Sn anode with multi-layer structure for Li-ion cell. RSC Advances, 2013, 3, 18339.	3.6	4
24	Visible light photochemical activity of heterostructured PbTiO3â€“TiO2 coreâ€“shell particles. Catalysis Science and Technology, 2012, 2, 1945.	4.1	90
25	A kind of carbon whiskers in new structure and morphology. Science in China Series B: Chemistry, 2001, 44, 55-62.	0.8	7