

# Xuan Liu

## List of Publications by Year in descending order

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25  
papers

777  
citations

687363

13  
h-index

642732

23  
g-index

26  
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26  
docs citations

26  
times ranked

1216  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-Nanotechnology in High-Performance Supercapacitors. <i>Advanced Energy Materials</i> , 2017, 7, 1700592.	19.5	168
2	Visible light photochemical activity of heterostructured PbTiO <sub>3</sub> -TiO <sub>2</sub> core-shell particles. <i>Catalysis Science and Technology</i> , 2012, 2, 1945.	4.1	90
3	Interconnected honeycomb-like porous carbon derived from plane tree fluff for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10869-10877.	10.3	83
4	Fabrication of Hierarchical Porous Carbon Nanoflakes for High-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 34944-34953.	8.0	72
5	A dielectric metasurface optical chip for the generation of cold atoms. <i>Science Advances</i> , 2020, 6, eabb6667.	10.3	69
6	Failure of semiclassical models to describe resistivity of nanometric, polycrystalline tungsten films. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	52
7	The five-parameter grain boundary character distribution of nanocrystalline tungsten. <i>Scripta Materialia</i> , 2013, 69, 413-416.	5.2	34
8	Nonlinear Diatomic Metasurface for Real and Fourier Space Image Encoding. <i>Nano Letters</i> , 2020, 20, 7463-7468.	9.1	30
9	The grain boundary character distribution of highly twinned nanocrystalline thin film aluminum compared to bulk microcrystalline aluminum. <i>Journal of Materials Science</i> , 2017, 52, 9819-9833.	3.7	22
10	Observation of Rotational Doppler Effect in Second Harmonic Generation in Reflection Mode. <i>Laser and Photonics Reviews</i> , 2018, 12, 1700204.	8.7	19
11	Comparison of crystal orientation mapping-based and image-based measurement of grain size and grain size distribution in a thin aluminum film. <i>Acta Materialia</i> , 2014, 79, 138-145.	7.9	18
12	Cassegrain metasurface for generation of orbital angular momentum of light. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	14
13	Grain size dependence of the twin length fraction in nanocrystalline Cu thin films via transmission electron microscopy based orientation mapping. <i>Journal of Materials Research</i> , 2015, 30, 528-537.	2.6	13
14	A novel fabrication approach for three-dimensional hierarchical porous metal oxide/carbon nanocomposites for enhanced solar photocatalytic performance. <i>Catalysis Science and Technology</i> , 2017, 7, 1965-1970.	4.1	13
15	Pressure-Controlled Structural Symmetry Transition in Layered InSe. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900012.	8.7	13
16	Giant enhancement of second-harmonic generation from a nanocavity metasurface. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	12
17	A Thermodynamic Approach to Guide Reactive Element Doping: Hf Additions to NiCrAl. <i>Oxidation of Metals</i> , 2017, 87, 297-310.	2.1	11
18	Optical Metasurfaces for Designing Planar Cassegrain-Schwarzschild Objectives. <i>Physical Review Applied</i> , 2019, 11, .	3.8	11

#	ARTICLE	IF	CITATIONS
19	Optical telescope with Cassegrain metasurfaces. <i>Nanophotonics</i> , 2020, 9, 3263-3269.	6.0	10
20	A kind of carbon whiskers in new structure and morphology. <i>Science in China Series B: Chemistry</i> , 2001, 44, 55-62.	0.8	7
21	Nonlinear wavefront engineering with metasurface decorated quartz crystal. <i>Nanophotonics</i> , 2022, 11, 797-803.	6.0	7
22	Electrochemical performances of Cu <sub>6</sub> Sn <sub>5</sub> -modified Sn anode with multi-layer structure for Li-ion cell. <i>RSC Advances</i> , 2013, 3, 18339.	3.6	4
23	Investigation on the Oxidation and Reduction of Titanium in Molten Salt with the Soluble TiC Anode. <i>Metallurgical and Materials Transactions E</i> , 2015, 2, 250-254.	0.5	4
24	Electrochemical Performance and Resistance Analysis of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Composite Cathode for Li Ion Battery. <i>Metallurgical and Materials Transactions E</i> , 2014, 1, 281-285.	0.5	0
25	The Influence of Ti <sup>4+</sup> Doping on the Electrical Conductivity and Synthetic Kinetics of NiFe <sub>2</sub> O <sub>4</sub> Powders. <i>Metallurgical and Materials Transactions E</i> , 2014, 1, 2-7.	0.5	0