

Xin-yi Chen

List of Publications by Year in descending order

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30
papers

1,071
citations

840585

11
h-index

610775

24
g-index

30
all docs

30
docs citations

30
times ranked

2103
citing authors

#	ARTICLE	IF	CITATIONS
1	ZnO nanostructures: growth, properties and applications. Journal of Materials Chemistry, 2012, 22, 6526.	6.7	584
2	High Sulfur Loading in Hierarchical Porous Carbon Rods Constructed by Vertically Oriented Porous Graphene-Like Nanosheets for Li- S Batteries. Advanced Functional Materials, 2016, 26, 8952-8959.	7.8	159
3	First-principles study of structural, electronic, and multiferroic properties in BiCoO_3 . Journal of Chemical Physics, 2007, 126, 154708.	1.2	60
4	ZnO nanorod/GaN light-emitting diodes: The origin of yellow and violet emission bands under reverse and forward bias. Journal of Applied Physics, 2011, 110, .	1.1	31
5	Thermally Conductive Boron Nitride Nanosheet Composite Paper as a Flexible Printed Circuit Board. ACS Applied Nano Materials, 2018, 1, 1705-1712.	2.4	30
6	In-situ fabrication of reduced graphene oxide (rGO)/ZnO heterostructure: surface functional groups induced electrical properties. Electrochimica Acta, 2016, 196, 558-564.	2.6	24
7	Real-time spectroscopic monitoring of photocatalytic activity promoted by graphene in a microfluidic reactor. Scientific Reports, 2016, 6, 28803.	1.6	22
8	Tunable high-power blue external cavity semiconductor laser. Optics and Laser Technology, 2017, 94, 1-5.	2.2	22
9	Understanding Protection Mechanisms of Graphene-Encapsulated Silicon Anodes with <i>Operando</i> Raman Spectroscopy. ACS Applied Materials & Interfaces, 2020, 12, 35532-35541.	4.0	17
10	Defect-enhanced performance of a 3D graphene anode in a lithium-ion battery. Nanotechnology, 2017, 28, 505402.	1.3	15
11	Hydrothermal treatment of ZnO nanostructures. Thin Solid Films, 2012, 520, 2656-2662.	0.8	13
12	Characterization of ZnO nanostructures: A challenge to positron annihilation spectroscopy and other methods. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2556-2560.	0.8	11
13	pH-dependent fluorescent quenching of graphene oxide quantum dots: Towards hydroxyl. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 260, 114627.	1.7	11
14	Continuously Selective Photocatalytic CO_2 Fixation via Controllable S/Se Ratio in a TiO_2 - MoS_2 - Se Dual-Excitation Heterostructured Nanotree. ACS Photonics, 2020, 7, 3394-3400.	3.2	10
15	Low-temperature thermal reduction of suspended graphene oxide film for electrical sensing of DNA-hybridization. Materials Science and Engineering C, 2017, 72, 62-68.	3.8	9
16	A three-dimensional network of graphene/silicon/graphene sandwich sheets as anode for Li-ion battery. Thin Solid Films, 2020, 693, 137702.	0.8	9
17	Energy-efficient synaptic devices based on planar structured h-BN memristor. Journal of Alloys and Compounds, 2022, 909, 164775.	2.8	9
18	Janus particle-based microprobes: Determination of object orientation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 513, 452-462.	2.3	7

#	ARTICLE	IF	CITATIONS
19	GaN/MgO/ZnO heterojunction light-emitting diodes. <i>Thin Solid Films</i> , 2013, 527, 303-307.	0.8	6
20	Rapid etching of carbon fiber induced by noble metal nanoparticles. <i>Materials Letters</i> , 2017, 197, 45-47.	1.3	5
21	Zinc oxide precursor treatment for improving dye-sensitized solar cell efficiency. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 532-537.	0.7	4
22	Graphene oxide discarded solution for high surface area photocatalyst. <i>Solar Energy Materials and Solar Cells</i> , 2020, 209, 110446.	3.0	4
23	Building resistive switching memory having super-steep switching slope with in-plane boron nitride. <i>Nanotechnology</i> , 2022, 33, 125202.	1.3	4
24	Stacked perovskite photodetectors for multi-color fluorescence detection. <i>Journal of Materials Chemistry C</i> , 2021, 10, 321-328.	2.7	3
25	ZnO nanorods for light-emitting diode applications. , 2011, , .		1
26	A composite graphene aerogel for real-time degradation of low-concentration ozone: The synergetic effect of defects. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107530.	3.3	1
27	Scanning probe microscopy-based characterization of ZnO nanorods. , 2010, , .		0
28	Electroluminescence of p-GaN/MgO/n-ZnO Heterojunction Light-emitting Diodes. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1439, 109-114.	0.1	0
29	Influence of hydrothermal treatment on morphology and properties of ZnO nanostructures. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
30	Properties of silicon-carbon (CNTs/graphene) hybrid nanoparticles. , 2022, , 45-64.		0