

Xin-yi Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2069521/publications.pdf>

Version: 2024-02-01

30
papers

1,071
citations

840776

11
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

2103
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of silicon-carbon (CNTs/graphene) hybrid nanoparticles. , 2022, , 45-64.		0
2	A composite graphene aerogel for real-time degradation of low-concentration ozone: The synergetic effect of defects. Journal of Environmental Chemical Engineering, 2022, 10, 107530.	6.7	1
3	Energy-efficient synaptic devices based on planar structured h-BN memristor. Journal of Alloys and Compounds, 2022, 909, 164775.	5.5	9
4	Building resistive switching memory having super-steep switching slope with in-plane boron nitride. Nanotechnology, 2022, 33, 125202.	2.6	4
5	Stacked perovskite photodetectors for multi-color fluorescence detection. Journal of Materials Chemistry C, 2021, 10, 321-328.	5.5	3
6	A three-dimensional network of graphene/silicon/graphene sandwich sheets as anode for Li-ion battery. Thin Solid Films, 2020, 693, 137702.	1.8	9
7	Understanding Protection Mechanisms of Graphene-Encapsulated Silicon Anodes with <i>Operando</i> Raman Spectroscopy. ACS Applied Materials & Interfaces, 2020, 12, 35532-35541.	8.0	17
8	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.	3.5	11
9	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.	6.6	10
10	Graphene oxide discarded solution for high surface area photocatalyst. Solar Energy Materials and Solar Cells, 2020, 209, 110446.	6.2	4
11	Thermally Conductive Boron Nitride Nanosheet Composite Paper as a Flexible Printed Circuit Board. ACS Applied Nano Materials, 2018, 1, 1705-1712.	5.0	30
12	Janus particle-based microprobes: Determination of object orientation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 513, 452-462.	4.7	7
13	Tunable high-power blue external cavity semiconductor laser. Optics and Laser Technology, 2017, 94, 1-5.	4.6	22
14	Rapid etching of carbon fiber induced by noble metal nanoparticles. Materials Letters, 2017, 197, 45-47.	2.6	5
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.	7.3	9
16	Defect-enhanced performance of a 3D graphene anode in a lithium-ion battery. Nanotechnology, 2017, 28, 505402.	2.6	15
17	High Sulfur Loading in Hierarchical Porous Carbon Rods Constructed by Vertically Oriented Porous Graphene-Like Nanosheets for Li-ion Batteries. Advanced Functional Materials, 2016, 26, 8952-8959.	14.9	159
18	Real-time spectroscopic monitoring of photocatalytic activity promoted by graphene in a microfluidic reactor. Scientific Reports, 2016, 6, 28803.	3.3	22

#	ARTICLE	IF	CITATIONS
19	In-situ fabrication of reduced graphene oxide (rGO)/ZnO heterostructure: surface functional groups induced electrical properties. <i>Electrochimica Acta</i> , 2016, 196, 558-564.	5.2	24
20	Zinc oxide precursor treatment for improving dye-sensitized solar cell efficiency. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 532-537.	1.5	4
21	GaN/MgO/ZnO heterojunction light-emitting diodes. <i>Thin Solid Films</i> , 2013, 527, 303-307.	1.8	6
22	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
23	ZnO nanostructures: growth, properties and applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 6526.	6.7	584
24	Influence of hydrothermal treatment on morphology and properties of ZnO nanostructures. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
25	Hydrothermal treatment of ZnO nanostructures. <i>Thin Solid Films</i> , 2012, 520, 2656-2662.	1.8	13
26	ZnO nanorods for light-emitting diode applications. , 2011, , .		1
27	ZnO nanorod/GaN light-emitting diodes: The origin of yellow and violet emission bands under reverse and forward bias. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	31
28	Scanning probe microscopy-based characterization of ZnO nanorods. , 2010, , .		0
29	Characterization of ZnO nanostructures: A challenge to positron annihilation spectroscopy and other methods. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 2556-2560.	0.8	11
30	First-principles study of structural, electronic, and multiferroic properties in BiCoO ₃ . <i>Journal of Chemical Physics</i> , 2007, 126, 154708.	3.0	60