

Da Zhan

List of Publications by Year in descending order

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36
papers

4,217
citations

304602

22
h-index

360920

35
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all docs

37
docs citations

37
times ranked

8286
citing authors

#	ARTICLE	IF	CITATIONS
1	Phycocyanin - carbon dots nanoprobe for the ratiometric fluorescence determination of peroxyxynitrite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 275, 121177.	2.0	7
2	Atomic-level tungsten doping triggered low overpotential for electrocatalytic water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 581-589.	5.0	10
3	Tracking the chemical active species to unravel the photocatalytic activity evolution of structure modified polymeric carbon nitride. <i>Applied Surface Science</i> , 2021, 546, 149099.	3.1	1
4	Light-Trapped Nanocavities for Ultraviolet Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17241-17247.	1.5	7
5	A TiS ₂ /Celgard separator as an efficient polysulfide shuttling inhibitor for high-performance lithium-sulfur batteries. <i>Nanoscale</i> , 2020, 12, 24368-24375.	2.8	24
6	Stacking faults triggered strain engineering of ZIF-67 derived Ni-Co bimetal phosphide for enhanced overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118951.	10.8	76
7	Aging mechanism of MoS ₂ nanosheets confined in N-doped mesoporous carbon spheres for sodium-ion batteries. <i>Nano Energy</i> , 2019, 62, 299-309.	8.2	119
8	Effective hydrogenation of g-C ₃ N ₄ for enhanced photocatalytic performance revealed by molecular structure dynamics. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 63-70.	10.8	47
9	Co ₂ P@N,P-Codoped Carbon Nanofiber as a Free-Standing Air Electrode for Zn-Air Batteries: Synergy Effects of CoN _x Satellite Shells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10364-10372.	4.0	73
10	Enhanced Exfoliation of Biocompatible MoS ₂ Nanosheets by Wool Keratin. <i>ACS Applied Nano Materials</i> , 2018, 1, 5460-5469.	2.4	22
11	Achieving High-Performance Surface-Enhanced Raman Scattering through One-Step Thermal Treatment of Bulk MoS ₂ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 14467-14473.	1.5	25
12	Fabrication of a uniaxial cellulose nanocrystal thin film for coassembly of single-walled carbon nanotubes. <i>RSC Advances</i> , 2016, 6, 39396-39400.	1.7	9
13	Graphene homojunction: closed-edge bilayer graphene by pseudospin interaction. <i>Nanoscale</i> , 2016, 8, 9102-9106.	2.8	5
14	Direct Growth of Microspheres on Amorphous Precursor Domains in Polymer-Controlled Crystallization of Indomethacin. <i>Crystal Growth and Design</i> , 2016, 16, 1428-1434.	1.4	14
15	Bandgap-Opened Bilayer Graphene Approached by Asymmetrical Intercalation of Trilayer Graphene. <i>Small</i> , 2015, 11, 1177-1182.	5.2	21
16	Microwave-assisted production of giant graphene sheets for high performance energy storage applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12166-12170.	5.2	34
17	The mechanism of graphene oxide as a growth template for complete reduced graphene oxide coverage on an SiO ₂ substrate. <i>Journal of Materials Chemistry C</i> , 2014, 2, 109-114.	2.7	16
18	Plasma Modified MoS ₂ Nanoflakes for Surface Enhanced Raman Scattering. <i>Small</i> , 2014, 10, 1090-1095.	5.2	129

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19	Etching-free patterning method for electrical characterization of atomically thin MoSe ₂ films grown by chemical vapor deposition. <i>Nanoscale</i> , 2014, 6, 12376-12382.	2.8	27
20	Spin-Orbit Splitting in Single-Layer MoS_2 Revealed by Triply Resonant Raman Scattering. <i>Physical Review Letters</i> , 2013, 111, 126801.	2.9	137
21	Improved synthesis of graphene flakes from the multiple electrochemical exfoliation of graphite rod. <i>Nano Energy</i> , 2013, 2, 377-386.	8.2	200
22	Repeated microwave-assisted exfoliation of expandable graphite for the preparation of large scale and high quality multi-layer graphene. <i>RSC Advances</i> , 2013, 3, 11601.	1.7	35
23	Tuning the Interface Conductivity of LaAlO ₃ /SrTiO ₃ Using Ion Beams: Implications for Patterning. <i>ACS Nano</i> , 2013, 7, 10572-10581.	7.3	34
24	Thickness and stacking geometry effects on high frequency overtone and combination Raman modes of graphene. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 86-91.	1.2	14
25	Assembly of suspended graphene on carbon nanotube scaffolds with improved functionalities. <i>Nano Research</i> , 2012, 5, 783-795.	5.8	9
26	Cobalt-Mediated Crystallographic Etching of Graphite From Defects. <i>Small</i> , 2012, 8, 2515-2523.	5.2	22
27	Exploration of the active center structure of nitrogen-doped graphene-based catalysts for oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2012, 5, 7936.	15.6	2,089
28	Engineering the Electronic Structure of Graphene. <i>Advanced Materials</i> , 2012, 24, 4055-4069.	11.1	141
29	Chemically derived graphene as an effective substrate to detect fluorescence molecules. , 2011, , .		0
30	Thermal Dynamics of Graphene Edges Investigated by Polarized Raman Spectroscopy. <i>ACS Nano</i> , 2011, 5, 147-152.	7.3	51
31	Low temperature edge dynamics of AB-stacked bilayer graphene: Naturally favored closed zigzag edges. <i>Scientific Reports</i> , 2011, 1, 12.	1.6	37
32	Electronic structure of graphite oxide and thermally reduced graphite oxide. <i>Carbon</i> , 2011, 49, 1362-1366.	5.4	218
33	One-step synthesis of NH ₂ -graphene from in situ graphene-oxide reduction and its improved electrochemical properties. <i>Carbon</i> , 2011, 49, 3250-3257.	5.4	372
34	FeCl ₃ -Based Few-Layer Graphene Intercalation Compounds: Single Linear Dispersion Electronic Band Structure and Strong Charge Transfer Doping. <i>Advanced Functional Materials</i> , 2010, 20, 3504-3509.	7.8	154
35	Ultrafast carrier dynamics in pristine and FeCl ₃ -intercalated bilayer graphene. <i>Applied Physics Letters</i> , 2010, 97, 141910.	1.5	28
36	A high-quality SOI structure fabricated by low-temperature technology with B ⁺ /H ⁺ -co-implantation and plasma bonding. <i>Semiconductor Science and Technology</i> , 2006, 21, 959-963.	1.0	9