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 g-index
37 all docs	37 docs citations	37 times ranked	8286 citing authors

#	Article	IF	Citations
1	Exploration of the active center structure of nitrogen-doped graphene-based catalysts for oxygen reduction reaction. Energy and Environmental Science, 2012, 5, 7936.	15.6	2,089
2	One-step synthesis of NH2-graphene from in situ graphene-oxide reduction and its improved electrochemical properties. Carbon, 2011, 49, 3250-3257.	5.4	372
3	Electronic structure of graphite oxide and thermally reduced graphite oxide. Carbon, 2011, 49, 1362-1366.	5.4	218
4	Improved synthesis of graphene flakes from the multiple electrochemical exfoliation of graphite rod. Nano Energy, 2013, 2, 377-386.	8.2	200
5	FeCl₃â€Based Fewâ€Layer Graphene Intercalation Compounds: Single Linear Dispersion Electronic Band Structure and Strong Charge Transfer Doping. Advanced Functional Materials, 2010, 20, 3504-3509.	7.8	154
6	Engineering the Electronic Structure of Graphene. Advanced Materials, 2012, 24, 4055-4069.	11.1	141
7	Spin-Orbit Splitting in Single-Layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Revealed by Triply Resonant Raman Scattering. Physical Review Letters, 2013, 111, 126801.	2.9	137
8	Plasma Modified MoS₂ Nanoflakes for Surface Enhanced Raman Scattering. Small, 2014, 10, 1090-1095.	5.2	129
9	Aging mechanism of MoS2 nanosheets confined in N-doped mesoporous carbon spheres for sodium-ion batteries. Nano Energy, 2019, 62, 299-309.	8.2	119
10	Stacking faults triggered strain engineering of ZIF-67 derived Ni-Co bimetal phosphide for enhanced overall water splitting. Applied Catalysis B: Environmental, 2020, 272, 118951.	10.8	76
11	Co₂P@N,P-Codoped Carbon Nanofiber as a Free-Standing Air Electrode for Znâ€“Air Batteries: Synergy Effects of CoN_x Satellite Shells. ACS Applied Materials & Interfaces, 2019, 11, 10364-10372.	4.0	73
12	Thermal Dynamics of Graphene Edges Investigated by Polarized Raman Spectroscopy. ACS Nano, 2011, 5, 147-152.	7.3	51
13	Effective hydrogenation of g-C3N4 for enhanced photocatalytic performance revealed by molecular structure dynamics. Applied Catalysis B: Environmental, 2019, 250, 63-70.	10.8	47
14	Low temperature edge dynamics of AB-stacked bilayer graphene: Naturally favored closed zigzag edges. Scientific Reports, 2011, 1, 12.	1.6	37
15	Repeated microwave-assisted exfoliation of expandable graphite for the preparation of large scale and high quality multi-layer graphene. RSC Advances, 2013, 3, 11601.	1.7	35
16	Tuning the Interface Conductivity of LaAlO₃/SrTiO₃ Using Ion Beams: Implications for Patterning. ACS Nano, 2013, 7, 10572-10581.	7.3	34
17	Microwave-assisted production of giant graphene sheets for high performance energy storage applications. Journal of Materials Chemistry A, 2014, 2, 12166-12170.	5.2	34
18	Ultrafast carrier dynamics in pristine and FeCl3-intercalated bilayer graphene. Applied Physics Letters, 2010, 97, 141910.	1.5	28

#	Article	IF	Citations
19	Etching-free patterning method for electrical characterization of atomically thin MoSe₂films grown by chemical vapor deposition. Nanoscale, 2014, 6, 12376-12382.	2.8	27
20	Achieving High-Performance Surface-Enhanced Raman Scattering through One-Step Thermal Treatment of Bulk MoS₂. Journal of Physical Chemistry C, 2018, 122, 14467-14473.	1.5	25
21	A TiS₂/Celgard separator as an efficient polysulfide shuttling inhibitor for high-performance lithiumâ€“sulfur batteries. Nanoscale, 2020, 12, 24368-24375.	2.8	24
22	Cobaltâ€Mediated Crystallographic Etching of Graphite From Defects. Small, 2012, 8, 2515-2523.	5.2	22
23	Enhanced Exfoliation of Biocompatible MoS₂ Nanosheets by Wool Keratin. ACS Applied Nano Materials, 2018, 1, 5460-5469.	2.4	22
24	Bandgapâ€Opened Bilayer Graphene Approached by Asymmetrical Intercalation of Trilayer Graphene. Small, 2015, 11, 1177-1182.	5.2	21
25	The mechanism of graphene oxide as a growth template for complete reduced graphene oxide coverage on an SiO2substrate. Journal of Materials Chemistry C, 2014, 2, 109-114.	2.7	16
26	Thickness and stacking geometry effects on high frequency overtone and combination Raman modes of graphene. Journal of Raman Spectroscopy, 2013, 44, 86-91.	1.2	14
27	Direct Growth of Microspheres on Amorphous Precursor Domains in Polymer-Controlled Crystallization of Indomethacin. Crystal Growth and Design, 2016, 16, 1428-1434.	1.4	14
28	Atomic-level tungsten doping triggered low overpotential for electrocatalytic water splitting. Journal of Colloid and Interface Science, 2021, 587, 581-589.	5.0	10
29	A high-quality SOI structure fabricated by low-temperature technology with B+/H+co-implantation and plasma bonding. Semiconductor Science and Technology, 2006, 21, 959-963.	1.0	9
30	Assembly of suspended graphene on carbon nanotube scaffolds with improved functionalities. Nano Research, 2012, 5, 783-795.	5.8	9
31	Fabrication of a uniaxial cellulose nanocrystal thin film for coassembly of single-walled carbon nanotubes. RSC Advances, 2016, 6, 39396-39400.	1.7	9
32	Light-Trapped Nanocavities for Ultraviolet Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2021, 125, 17241-17247.	1.5	7
33	Phycocyanin - carbon dots nanoprobe for the ratiometric fluorescence determination of peroxynitrite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 275, 121177.	2.0	7
34	Graphene homojunction: closed-edge bilayer graphene by pseudospin interaction. Nanoscale, 2016, 8, 9102-9106.	2.8	5
35	Tracking the chemical active species to unravel the photocatalytic activity evolution of structure modified polymeric carbon nitride. Applied Surface Science, 2021, 546, 149099.	3.1	1
36	Chemically derived graphene as an effective substrate to detect fluorescence molecules. , 2011, , .		0