

Guolin Hao

List of Publications by Year in descending order

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30
papers

1,245
citations

516561

16
h-index

454834

30
g-index

30
all docs

30
docs citations

30
times ranked

2538
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous Fe ₂ O ₃ Nanoframeworks Encapsulated within Three-Dimensional Graphene as High-Performance Flexible Anode for Lithium-Ion Battery. ACS Nano, 2017, 11, 5140-5147.	7.3	421
2	Large-scale production of ultrathin topological insulator bismuth telluride nanosheets by a hydrothermal intercalation and exfoliation route. Journal of Materials Chemistry, 2012, 22, 4921.	6.7	158
3	Formation of ripples in atomically thin MoS ₂ and local strain engineering of electrostatic properties. Nanotechnology, 2015, 26, 105705.	1.3	80
4	Controlled growth of atomically thin MoSe ₂ films and nanoribbons by chemical vapor deposition. 2D Materials, 2019, 6, 025002.	2.0	51
5	Electrochemically reduced graphene oxide with porous structure as a binder-free electrode for high-rate supercapacitors. RSC Advances, 2014, 4, 13673.	1.7	48
6	Electrostatic properties of few-layer MoS ₂ films. AIP Advances, 2013, 3, .	0.6	46
7	Electrochemical properties of high-power supercapacitors using ordered NiO coated Si nanowire array electrodes. Applied Physics A: Materials Science and Processing, 2011, 104, 545-550.	1.1	44
8	Photoresponse properties of large-area MoS ₂ atomic layer synthesized by vapor phase deposition. Journal of Applied Physics, 2014, 116, .	1.1	42
9	Density functional theory study of Fe adatoms adsorbed monolayer and bilayer MoS ₂ sheets. Journal of Applied Physics, 2013, 114, .	1.1	35
10	The structural, electronic and magnetic properties of bi-layered MoS ₂ with transition-metals doped in the interlayer. RSC Advances, 2013, 3, 12939.	1.7	33
11	Spiral growth of topological insulator Sb ₂ Te ₃ nanoplates. Applied Physics Letters, 2013, 102, .	1.5	32
12	Fe ₇ Se ₈ @C core-shell nanoparticles encapsulated within a three-dimensional graphene composite as a high-performance flexible anode for lithium-ion batteries. New Journal of Chemistry, 2017, 41, 5121-5124.	1.4	31
13	Growth and surface potential characterization of Bi ₂ Te ₃ nanoplates. AIP Advances, 2012, 2, .	0.6	25
14	Space-confined and substrate-directed synthesis of transition-metal dichalcogenide nanostructures with tunable dimensionality. Science Bulletin, 2020, 65, 1013-1021.	4.3	25
15	Ambipolar charge injection and transport of few-layer topological insulator Bi ₂ Te ₃ and Bi ₂ Se ₃ nanoplates. Journal of Applied Physics, 2012, 111, 114312.	1.1	24
16	Synthesis and characterization of few-layer Sb ₂ Te ₃ nanoplates with electrostatic properties. RSC Advances, 2012, 2, 10694.	1.7	19
17	Robust transport of charge carriers in in-plane 1Tâ€²-2H MoTe ₂ homojunctions with ohmic contact. Nano Research, 2021, 14, 1311-1318.	5.8	16
18	Nanoconfinement Synthesis of Ultrasmall Bismuth Oxyhalide Nanocrystals with Size-Induced Fully Reversible Potassium-Ion Storage and Ultrahigh Volumetric Capacity. Advanced Functional Materials, 2022, 32, .	7.8	15

#	ARTICLE	IF	CITATIONS
19	In-situ investigation of graphene oxide under UV irradiation: Evolution of work function. AIP Advances, 2015, 5, .	0.6	14
20	Lateral and Vertical MoSe ₂ â€“MoS ₂ Heterostructures via Epitaxial Growth: Triggered by High-Temperature Annealing and Precursor Concentration. Journal of Physical Chemistry Letters, 2019, 10, 5027-5035.	2.1	13
21	Fermi level tuning of topological insulator Bi ₂ (SexTe _{1-x}) ₃ nanoplates. Journal of Applied Physics, 2013, 113, 024306.	1.1	12
22	Electrostatic properties of two-dimensional WSe ₂ nanostructures. Journal of Applied Physics, 2016, 119, .	1.1	12
23	Synthesis, characterization and electrostatic properties of WS ₂ nanostructures. AIP Advances, 2014, 4, .	0.6	9
24	Controllable epitaxial growth of GeSe ₂ nanostructures and nonlinear optical properties. Nanotechnology, 2021, 32, 465704.	1.3	9
25	Surface Potential of Graphene Oxide Investigated by Kelvin Probe Force Microscopy. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 777-781.	1.0	8
26	Controllable epitaxial growth of MoSe ₂ â€“MoS ₂ lateral heterostructures with tunable electrostatic properties. Nanotechnology, 2018, 29, 484003.	1.3	8
27	Strain effects on magnetic states of monolayer MoS ₂ doped with group IIIA to VA atoms. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 114, 113609.	1.3	8
28	Water-assisted controllable growth of atomically thin WTe ₂ nanoflakes by chemical vapor deposition based on precursor design and substrate engineering strategies. Nanotechnology, 2022, 33, 175602.	1.3	5
29	Effective Fermi level tuning of Bi ₂ Se ₃ by introducing CdBi/CaBi dopant. RSC Advances, 2014, 4, 10499.	1.7	1
30	Controllable growth of large-area 1Tâ€™, 2H ultrathin MoTe ₂ films, and 1Tâ€™â€“2H in-plane homojunction. Journal of Applied Physics, 2022, 131, 185302.	1.1	1