

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
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docs citations

30
times ranked

2538
citing authors

#	ARTICLE	IF	CITATIONS
1	Water-assisted controllable growth of atomically thin WTe ₂ nanoflakes by chemical vapor deposition based on precursor design and substrate engineering strategies. <i>Nanotechnology</i> , 2022, 33, 175602.	1.3	5
2	Nanoconfinement Synthesis of Ultrasmall Bismuth Oxyhalide Nanocrystals with Size-Induced Fully Reversible Potassium-Ion Storage and Ultrahigh Volumetric Capacity. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	15
3	Controllable growth of large-area 1T ϵ^2 , 2H ultrathin MoTe ₂ films, and 1T ϵ^2 -2H in-plane homojunction. <i>Journal of Applied Physics</i> , 2022, 131, 185302.	1.1	1
4	Robust transport of charge carriers in in-plane 1T ϵ^2 -2H MoTe ₂ homojunctions with ohmic contact. <i>Nano Research</i> , 2021, 14, 1311-1318.	5.8	16
5	Controllable epitaxial growth of GeSe ₂ nanostructures and nonlinear optical properties. <i>Nanotechnology</i> , 2021, 32, 465704.	1.3	9
6	Space-confined and substrate-directed synthesis of transition-metal dichalcogenide nanostructures with tunable dimensionality. <i>Science Bulletin</i> , 2020, 65, 1013-1021.	4.3	25
7	Lateral and Vertical MoSe ₂ -MoS ₂ Heterostructures via Epitaxial Growth: Triggered by High-Temperature Annealing and Precursor Concentration. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5027-5035.	2.1	13
8	Strain effects on magnetic states of monolayer MoS ₂ doped with group IIIA to VA atoms. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 114, 113609.	1.3	8
9	Controlled growth of atomically thin MoSe ₂ films and nanoribbons by chemical vapor deposition. <i>2D Materials</i> , 2019, 6, 025002.	2.0	51
10	Controllable epitaxial growth of MoSe ₂ -MoS ₂ lateral heterostructures with tunable electrostatic properties. <i>Nanotechnology</i> , 2018, 29, 484003.	1.3	8
11	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. <i>New Journal of Chemistry</i> , 2017, 41, 5121-5124.	1.4	31
12	Porous Fe ₂ O ₃ Nanoframeworks Encapsulated within Three-Dimensional Graphene as High-Performance Flexible Anode for Lithium-Ion Battery. <i>ACS Nano</i> , 2017, 11, 5140-5147.	7.3	421
13	Electrostatic properties of two-dimensional WSe ₂ nanostructures. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	12
14	In-situ investigation of graphene oxide under UV irradiation: Evolution of work function. <i>AIP Advances</i> , 2015, 5, .	0.6	14
15	Surface Potential of Graphene Oxide Investigated by Kelvin Probe Force Microscopy. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 777-781.	1.0	8
16	Formation of ripples in atomically thin MoS ₂ and local strain engineering of electrostatic properties. <i>Nanotechnology</i> , 2015, 26, 105705.	1.3	80
17	Photoresponse properties of large-area MoS ₂ atomic layer synthesized by vapor phase deposition. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	42
18	Synthesis, characterization and electrostatic properties of WS ₂ nanostructures. <i>AIP Advances</i> , 2014, 4, .	0.6	9

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19	Effective Fermi level tuning of Bi ₂ Se ₃ by introducing CdBi/CaBi dopant. RSC Advances, 2014, 4, 10499.	1.7	1
20	Electrochemically reduced graphene oxide with porous structure as a binder-free electrode for high-rate supercapacitors. RSC Advances, 2014, 4, 13673.	1.7	48
21	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
22	Density functional theory study of Fe adatoms adsorbed monolayer and bilayer MoS ₂ sheets. Journal of Applied Physics, 2013, 114, .	1.1	35
23	Spiral growth of topological insulator Sb ₂ Te ₃ nanoplates. Applied Physics Letters, 2013, 102, .	1.5	32
24	Electrostatic properties of few-layer MoS ₂ films. AIP Advances, 2013, 3, .	0.6	46
25	Fermi level tuning of topological insulator Bi ₂ (S _x Te _{1-x}) ₃ nanoplates. Journal of Applied Physics, 2013, 113, 024306.	1.1	12
26	Growth and surface potential characterization of Bi ₂ Te ₃ nanoplates. AIP Advances, 2012, 2, .	0.6	25
27	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
28	Synthesis and characterization of few-layer Sb ₂ Te ₃ nanoplates with electrostatic properties. RSC Advances, 2012, 2, 10694.	1.7	19
29	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
30	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