Yi-Chao Zou

List of Publications by Year
in descending order

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39	2,210	331670	302126
papers	citations	21 h-index	39 g-index

42	42	42	3632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic-Field-Induced Re-entrance of Superconductivity in Ta2PdS5 Nanostrips. Nano Letters, 2021, 21, 288-297.	9.1	3
2	Nanometre imaging of Fe₃GeTe₂ ferromagnetic domain walls. Nanotechnology, 2021, 32, 205703.	2.6	6
3	Ion exchange in atomically thin clays and micas. Nature Materials, 2021, 20, 1677-1682.	27.5	40
4	Twist and Bend in Van Der Waals Materials and 2D Stacked Heterostructures. Microscopy and Microanalysis, 2020, 26, 856-858.	0.4	0
5	Atomic Resolution Imaging of CrBr3 Using Adhesion-Enhanced Grids. Nano Letters, 2020, 20, 6582-6589.	9.1	13
6	Nonreciprocal superconducting NbSe2 antenna. Nature Communications, 2020, 11, 5634.	12.8	43
7	Holographic reconstruction of the interlayer distance of bilayer two-dimensional crystal samples from their convergent beam electron diffraction patterns. Ultramicroscopy, 2020, 219, 113020.	1.9	2
8	Ultra-thin van der Waals crystals as semiconductor quantum wells. Nature Communications, 2020, 11, 125.	12.8	33
9	A graphene/TiS3 heterojunction for resistive sensing of polar vapors at room temperature. Mikrochimica Acta, 2020, 187, 117.	5.0	14
10	Enhanced Superconductivity in Few-Layer TaS₂ due to Healing by Oxygenation. Nano Letters, 2020, 20, 3808-3818.	9.1	23
11	Atomic reconstruction in twisted bilayers of transition metal dichalcogenides. Nature Nanotechnology, 2020, 15, 592-597.	31.5	245
12	Stacking Order in Graphite Films Controlled by van der Waals Technology. Nano Letters, 2019, 19, 8526-8532.	9.1	54
13	Vortex fluidic mediated transformation of graphite into highly conducting graphene scrolls. Nanoscale Advances, 2019, 1, 2495-2501.	4.6	21
14	Ultrahigh conductivity in Weyl semimetal NbAs nanobelts. Nature Materials, 2019, 18, 482-488.	27.5	68
15	Vapour-solid growth of MoxW1-xTe2 nanobelts by a facile chemical vapour deposition method. Journal of Alloys and Compounds, 2019, 777, 926-930.	5.5	10
16	Realizing zT of 2.3 in Ge_{1â^'_x}_ySb_xIn_yTe via Reducing the Phaseâ€Transition Temperature and Introducing Resonant Energy Doping. Advanced Materials, 2018, 30, 1705942.	21.0	316
17	Laser irradiated vortex fluidic mediated synthesis of luminescent carbon nanodots under continuous flow. Reaction Chemistry and Engineering, 2018, 3, 164-170.	3.7	44
18	Achieving zT > 2 in pâ€Type AgSbTe_{2â^'_x}Se_x Alloys via Exploring the Extra Light Valence Band and Introducing Dense Stacking Faults. Advanced Energy Materials, 2018, 8, 1702333.	19.5	143

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19	Atomic Insights into Phase Evolution in Ternary Transitionâ€Metal Dichalcogenides Nanostructures. Small, 2018, 14, e1800780.	10.0	13
20	Atomic disorders in layer structured topological insulator SnBi2Te4 nanoplates. Nano Research, 2018, 11, 696-706.	10.4	16
21	Continuous flow synthesis of phosphate binding h-BN@magnetite hybrid material. RSC Advances, 2018, 8, 40829-40835.	3.6	9
22	Signature of quantum Griffiths singularity state in a layered quasi-one-dimensional superconductor. Nature Communications, 2018, 9, 4656.	12.8	21
23	Laser-Ablated Vortex Fluidic-Mediated Synthesis of Superparamagnetic Magnetite Nanoparticles in Water Under Flow. ACS Omega, 2018, 3, 11172-11178.	3.5	28
24	Controlling Reaction Selectivity over Hybrid Plasmonic Nanocatalysts. Nano Letters, 2018, 18, 7289-7297.	9.1	92
25	Enhancing the thermoelectric performance of SnSe_{1â^'x}Te_x nanoplates through band engineering. Journal of Materials Chemistry A, 2017, 5, 10713-10721.	10.3	94
26	n-type Bi-doped PbTe Nanocubes with Enhanced Thermoelectric Performance. Nano Energy, 2017, 31, 105-112.	16.0	113
27	Superconductivity and magnetotransport of single-crystalline NbSe₂nanoplates grown by chemical vapour deposition. Nanoscale, 2017, 9, 16591-16595.	5.6	17
28	Wafer-scale two-dimensional ferromagnetic Fe3GeTe2 thin films grown by molecular beam epitaxy. Npj 2D Materials and Applications, 2017, 1, .	7.9	157
29	Planar Vacancies in Sn_{1â€“x}Bi_xTe Nanoribbons. ACS Nano, 2016, 10, 5507-5515.	14.6	21
30	Surface-energy engineered Bi-doped SnTe nanoribbons with weak antilocalization effect and linear magnetoresistance. Nanoscale, 2016, 8, 19383-19389.	5.6	15
31	In₃Se₄ and S-doped In₃Se₄ nano/micro-structures as new anode materials for Li-ion batteries. Journal of Materials Chemistry A, 2015, 3, 7560-7567.	10.3	15
32	High-performance thermoelectric Cu2Se nanoplates through nanostructure engineering. Nano Energy, 2015, 16, 367-374.	16.0	218
33	Arrayed van der Waals Vertical Heterostructures Based on 2D GaSe Grown by Molecular Beam Epitaxy. Nano Letters, 2015, 15, 3571-3577.	9.1	146
34	Scalable Growth of High Mobility Dirac Semimetal Cd₃As₂ Microbelts. Nano Letters, 2015, 15, 5830-5834.	9.1	41
35	Wafer-scale arrayed p-n junctions based on few-layer epitaxial GaTe. Nano Research, 2015, 8, 3332-3341.	10.4	41
36	Morphological control of SnTe nanostructures by tuning catalyst composition. Nano Research, 2015, 8, 3011-3019.	10.4	22

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37	Au-catalyzed and catalyst-free growth of one-dimensional Bi<inf>2</inf>Se<inf>3</inf> nanostructures. , 2014, , .		3
38	Anisotropic Electrical Properties from Vaporâ€“Solidâ€“Solid Grown Bi₂Se₃ Nanoribbons and Nanowires. Journal of Physical Chemistry C, 2014, 118, 20620-20626.	3.1	25
39	Long wavelength emissions of Se4+-doped In2O3hierarchical nanostructures. Journal of Materials Chemistry C, 2014, 2, 6529.	5.5	10