

Chaochao Dun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3935320/publications.pdf>

Version: 2024-02-01

54
papers

2,721
citations

236925

25
h-index

182427

51
g-index

61
all docs

61
docs citations

61
times ranked

4293
citing authors

#	ARTICLE	IF	CITATIONS
1	Dimensional Control over Metal Halide Perovskite Crystallization Guided by Active Learning. <i>Chemistry of Materials</i> , 2022, 34, 756-767.	6.7	13
2	Mismatching integration-enabled strains and defects engineering in LDH microstructure for high-rate and long-life charge storage. <i>Nature Communications</i> , 2022, 13, 1409.	12.8	42
3	Hydrogen Storage Performance of Preferentially Oriented Mg/rGO Hybrids. <i>Chemistry of Materials</i> , 2022, 34, 2963-2971.	6.7	8
4	Layered Nano-Mosaic of Niobium Disulfide Heterostructures by Direct Sulfidation of Niobium Carbide MXenes for Hydrogen Evolution. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	6
5	Covalent Organic Frameworks with Irreversible Linkages via Reductive Cyclization of Imines. <i>Journal of the American Chemical Society</i> , 2022, 144, 9827-9835.	13.7	39
6	Synthesis of 2D anatase TiO ₂ with highly reactive facets by fluorine-free topochemical conversion of 1T-TiS ₂ nanosheets. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13884-13894.	10.3	7
7	Lightweight wearable thermoelectric cooler with rationally designed flexible heatsink consisting of phase-change material/graphite/silicone elastomer. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15696-15703.	10.3	35
8	Copper sulfide as the cation exchange template for synthesis of bimetallic catalysts for CO ₂ electroreduction. <i>RSC Advances</i> , 2021, 11, 23948-23959.	3.6	6
9	Binary and Ternary Colloidal Cu-Sn-Fe Nanocrystals for Thermoelectric Thin Films. <i>Small</i> , 2021, 17, e2006729.	10.0	8
10	Origins of Minimized Lattice Thermal Conductivity and Enhanced Thermoelectric Performance in WS ₂ /WSe ₂ Lateral Superlattice. <i>ACS Omega</i> , 2021, 6, 7879-7886.	3.5	15
11	Insights into the Mechanism of Methanol Steam Reforming Tandem Reaction over CeO ₂ Supported Single-Site Catalysts. <i>Journal of the American Chemical Society</i> , 2021, 143, 12074-12081.	13.7	70
12	Chemical upgrade of carbon monoxide to acetate on an atomically dispersed copper catalyst via CO-insertion. <i>Materials Today Physics</i> , 2021, 19, 100418.	6.0	12
13	Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. <i>Angewandte Chemie</i> , 2021, 133, 26019-26028.	2.0	2
14	Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25815-25824.	13.8	11
15	Additive Destabilization of Porous Magnesium Borohydride Framework with Core-Shell Structure. <i>Small</i> , 2021, 17, e2101989.	10.0	6
16	Defying Thermodynamics: Stabilization of Alane Within Covalent Triazine Frameworks for Reversible Hydrogen Storage (<i>Angew. Chem.</i> 49/2021). <i>Angewandte Chemie</i> , 2021, 133, 26204-26204.	2.0	0
17	Spontaneous dynamical disordering of borophenes in MgB ₂ and related metal borides. <i>Nature Communications</i> , 2021, 12, 6268.	12.8	14
18	Back Cover Image. <i>Informa-Materials</i> , 2021, 3, .	17.3	0

#	ARTICLE	IF	CITATIONS
19	Synthesis of new two-dimensional titanium carbonitride Ti_2C_0 and its performance as an electrode material for sodium-ion battery. <i>Informa Mater</i> , 2021, 3, 1422-1430.	17.3	49
20	Lattice Strain Enhances Thermoelectric Properties in $\text{Sb}_2\text{Te}_3/\text{Te}$ Heterostructure. <i>Advanced Electronic Materials</i> , 2020, 6, 1900735.	5.1	28
21	High-Performance, Wearable Thermoelectric Generator Based on a Highly Aligned Carbon Nanotube Sheet. <i>ACS Applied Energy Materials</i> , 2020, 3, 1199-1206.	5.1	43
22	Flexible Thermoelectric Devices of Ultrahigh Power Factor by Scalable Printing and Interface Engineering. <i>Advanced Functional Materials</i> , 2020, 30, 1905796.	14.9	93
23	Scalable neutral H_2O_2 electrosynthesis by platinum diphosphide nanocrystals by regulating oxygen reduction reaction pathways. <i>Nature Communications</i> , 2020, 11, 3928.	12.8	101
24	$\text{Bi}_{0.5}\text{Sb}_{1.5}\text{Te}_3$ -based films for flexible thermoelectric devices. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4552-4561.	10.3	53
25	Formation of Hexagonal PdSe_2 for Electronics and Catalysis. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10935-10940.	3.1	16
26	3D Conformal Printing and Photonic Sintering of High-Performance Flexible Thermoelectric Films Using 2D Nanoplates. <i>Advanced Functional Materials</i> , 2019, 29, 1901930.	14.9	89
27	3D Printing of Solution-Processable 2D Nanoplates and 1D Nanorods for Flexible Thermoelectrics with Ultrahigh Power Factor at Low-Medium Temperatures. <i>Advanced Science</i> , 2019, 6, 1901788.	11.2	33
28	Bi_2Te_3 Plates with Single Nanopore: The Formation of Surface Defects and Self-Repair Growth. <i>Chemistry of Materials</i> , 2018, 30, 1965-1970.	6.7	16
29	In Situ Electrical Properties Investigation and Nanofabrication of $\text{Ag/Sb}_2\text{Te}_3$ Assembled Multilayers Film. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701210.	3.7	6
30	Controllable colloidal synthesis of anisotropic tin dichalcogenide nanocrystals for thin film thermoelectrics. <i>Nanoscale</i> , 2018, 10, 2533-2541.	5.6	17
31	Interface Engineering of Colloidal CdSe Quantum Dot Thin Films as Acid-Stable Photocathodes for Solar-Driven Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17129-17139.	8.0	11
32	Enhanced stabilization of inorganic cesium lead triiodide (CsPbI_3) perovskite quantum dots with tri-octylphosphine. <i>Nano Research</i> , 2018, 11, 762-768.	10.4	94
33	Wearable Thermoelectric Devices Based on Au-Decorated Two-Dimensional MoS_2 . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33316-33321.	8.0	57
34	Topological doping effects in 2D chalcogenide thermoelectrics. <i>2D Materials</i> , 2018, 5, 045008.	4.4	5
35	Controllable Colloidal Synthesis of Tin(II) Chalcogenide Nanocrystals and Their Solution-Processed Flexible Thermoelectric Thin Films. <i>Small</i> , 2018, 14, e1801949.	10.0	26
36	Solution Processing Small-Molecule Organic Emitter in Field-Induced, Carrier Gated Lighting Devices. <i>Advanced Optical Materials</i> , 2017, 5, 1600917.	7.3	5

#	ARTICLE	IF	CITATIONS
37	2D Chalcogenide Nanoplate Assemblies for Thermoelectric Applications. <i>Advanced Materials</i> , 2017, 29, 1700070.	21.0	54
38	Polymer Gating White Flexible Field-Induced Lighting Device. <i>Advanced Materials Technologies</i> , 2017, 2, 1700017.	5.8	8
39	2D Chalcogenides: 2D Chalcogenide Nanoplate Assemblies for Thermoelectric Applications (Adv.) <i>Tj ETQq1 1 0.784314 rgBT /Overloc</i>	21.0	2
40	Solution-based synthesis and processing of Sn- and Bi-doped Cu_3SbSe_4 nanocrystals, nanomaterials and ring-shaped thermoelectric generators. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2592-2602.	10.3	73
41	Ultrathin, Washable, and Large-Area Graphene Papers for Personal Thermal Management. <i>Small</i> , 2017, 13, 1702645.	10.0	177
42	Defect Engineering by Codoping in CaMg_2Si_2 Single-Crystalline Scintillators. <i>Physical Review Applied</i> , 2017, 8, .	3.8	3
43	Self-Assembled Heterostructures: Selective Growth of Metallic Nanoparticles on V_2VI_3 Nanoplates. <i>Advanced Materials</i> , 2017, 29, 1702968.	21.0	34
44	Synthesis and characterization of Ar-annealed zinc oxide nanostructures. <i>AIP Advances</i> , 2016, 6, .	1.3	2
45	Metallic 1T phase MoS_2 nanosheets for high-performance thermoelectric energy harvesting. <i>Nano Energy</i> , 2016, 26, 172-179.	16.0	178
46	Achieving High Performance in AC-Field Driven Organic Light Sources. <i>Scientific Reports</i> , 2016, 6, 24116.	3.3	18
47	Organic Electronics: Layered, Nanonetwork Composite Cathodes for Flexible, High-Efficiency, Organic Light Emitting Devices (Adv. Funct. Mater. 28/2015). <i>Advanced Functional Materials</i> , 2015, 25, 4370-4370.	14.9	0
48	Layered, Nanonetwork Composite Cathodes for Flexible, High-Efficiency, Organic Light Emitting Devices. <i>Advanced Functional Materials</i> , 2015, 25, 4397-4404.	14.9	12
49	Flexible thermoelectric fabrics based on self-assembled tellurium nanorods with a large power factor. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8591-8595.	2.8	105
50	Environmentally benign synthesis of high-quality, band gap-tunable, homogeneous Te/Se alloyed nanowires. <i>RSC Advances</i> , 2015, 5, 69268-69272.	3.6	16
51	Layered Bi_2Se_3 Nanoplate/Polyvinylidene Fluoride Composite Based n-type Thermoelectric Fabrics. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7054-7059.	8.0	108
52	Nanowires as Building Blocks to Fabricate Flexible Thermoelectric Fabric: The Case of Copper Telluride Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21015-21020.	8.0	90
53	Flexible n-type thermoelectric films based on Cu-doped Bi_2Se_3 nanoplate and Polyvinylidene Fluoride composite with decoupled Seebeck coefficient and electrical conductivity. <i>Nano Energy</i> , 2015, 18, 306-314.	16.0	119
54	$\text{Cu}_2\text{ZnSnS}_4$ and $\text{Cu}_2\text{ZnSnSe}_4$: First principles simulations of optimal alloy configurations and their energies. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	22