

Hsin-An Chen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

4,470
citations

516215

16
h-index

552369

26
g-index

27
all docs

27
docs citations

27
times ranked

8184
citing authors

#	ARTICLE	IF	CITATIONS
1	Blue Photoluminescence from Chemically Derived Graphene Oxide. <i>Advanced Materials</i> , 2010, 22, 505-509.	11.1	1,824
2	Highly Active and Stable Hybrid Catalyst of Cobalt-Doped FeS ₂ Nanosheets@Carbon Nanotubes for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 1587-1592.	6.6	800
3	Tunable Photoluminescence from Graphene Oxide. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6662-6666.	7.2	584
4	Advanced rechargeable aluminium ion battery with a high-quality natural graphite cathode. <i>Nature Communications</i> , 2017, 8, 14283.	5.8	453
5	FeS ₂ Nanocrystal Ink as a Catalytic Electrode for Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6694-6698.	7.2	227
6	Self-Encapsulated Doping of n-Type Graphene Transistors with Extended Air Stability. <i>ACS Nano</i> , 2012, 6, 6215-6221.	7.3	76
7	A highly distorted ultraelastic chemically complex Elinvar alloy. <i>Nature</i> , 2022, 602, 251-257.	13.7	75
8	Suppression of surface defects to achieve hysteresis-free inverted perovskite solar cells via quantum dot passivation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5263-5274.	5.2	67
9	Atomic-Scale Interfacial Band Mapping across Vertically Phased-Separated Polymer/Fullerene Hybrid Solar Cells. <i>Nano Letters</i> , 2013, 13, 2387-2392.	4.5	53
10	Understanding chemical short-range ordering/demixing coupled with lattice distortion in solid solution high entropy alloys. <i>Acta Materialia</i> , 2021, 216, 117140.	3.8	52
11	A lithium passivated MoO ₃ nanobelt decorated polypropylene separator for fast-charging long-life Li-S batteries. <i>Nanoscale</i> , 2019, 11, 2892-2900.	2.8	38
12	Fast and Accurate Artificial Neural Network Potential Model for MAPbI ₃ Perovskite Materials. <i>ACS Omega</i> , 2019, 4, 10950-10959.	1.6	31
13	Photoluminescence quenching of graphene oxide by metal ions in aqueous media. <i>Carbon</i> , 2015, 82, 24-30.	5.4	26
14	Multi-layer elemental 2D materials: antimonene, germanene and stanene grown directly on molybdenum disulfides. <i>Semiconductor Science and Technology</i> , 2019, 34, 105020.	1.0	19
15	Mitigating Metal Dendrite Formation in Lithium-Sulfur Batteries via Morphology-Tunable Graphene Oxide Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2060-2070.	4.0	19
16	Microstructure Maps of Complex Perovskite Materials from Extensive Monte Carlo Sampling Using Machine Learning Enabled Energy Model. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3591-3599.	2.1	16
17	Few-layer fluorine-functionalized graphene hole-selective contacts for efficient inverted perovskite solar cells. <i>Chemical Engineering Journal</i> , 2022, 430, 132831.	6.6	13
18	Wavelength-dependent optical transition mechanisms for light-harvesting of perovskite MAPbI ₃ solar cells using first-principles calculations. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5248-5254.	2.7	11

#	ARTICLE	IF	CITATIONS
19	Enhanced sorption of the UV filter 4-methylbenzylidene camphor on aged PET microplastics from both experimental and theoretical perspectives. RSC Advances, 2021, 11, 32494-32504.	1.7	10
20	Artificial Neural Network Model for Atomistic Simulations of Sb/MoS_2 van der Waals Heterostructures. Multiscale Science and Engineering, 2019, 1, 119-129.	0.9	9
21	Surface structures and equilibrium shapes of layered 2D Ruddlesden-Popper perovskite crystals from density functional theory calculations. Materials Today Communications, 2021, 26, 101745.	0.9	5
22	Studies of high-membered two-dimensional Ruddlesden-Popper $\text{Cs}_7\text{Pb}_6\text{I}_{19}$ perovskite nanosheets <i>via</i> kinetically controlled reactions. Materials Horizons, 2022, 9, 2433-2442.	6.4	5
23	Atomistic Structures and Energetics of Perovskite Nucleation Pathway During Sequential Deposition Process. Multiscale Science and Engineering, 2020, 2, 227-234.	0.9	1
24	Structural and Electronic Properties of Intertwined Defect in Ruddlesden-Popper 2D Perovskites Study Using Density Functional Theory Calculations. Multiscale Science and Engineering, 2021, 3, 205.	0.9	0