

# Hsin-An Chen

## List of Publications by Citations

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25  
papers

3,769  
citations

13  
h-index

27  
g-index

27  
ext. papers

4,150  
ext. citations

10.6  
avg, IF

4.82  
L-index

#	Paper	IF	Citations
25	Blue photoluminescence from chemically derived graphene oxide. <i>Advanced Materials</i> , <b>2010</b> , 22, 505-9	24	1643
24	Highly active and stable hybrid catalyst of cobalt-doped FeS <sub>2</sub> nanosheets-carbon nanotubes for hydrogen evolution reaction. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 1587-92	16.4	699
23	Tunable photoluminescence from graphene oxide. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6662-6	16.4	520
22	Advanced rechargeable aluminium ion battery with a high-quality natural graphite cathode. <i>Nature Communications</i> , <b>2017</b> , 8, 14283	17.4	358
21	FeS <sub>2</sub> nanocrystal ink as a catalytic electrode for dye-sensitized solar cells. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 6694-8	16.4	212
20	Self-encapsulated doping of n-type graphene transistors with extended air stability. <i>ACS Nano</i> , <b>2012</b> , 6, 6215-21	16.7	65
19	Atomic-scale interfacial band mapping across vertically phased-separated polymer/fullerene hybrid solar cells. <i>Nano Letters</i> , <b>2013</b> , 13, 2387-92	11.5	46
18	Suppression of surface defects to achieve hysteresis-free inverted perovskite solar cells via quantum dot passivation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5263-5274	13	45
17	Tunable Photoluminescence from Graphene Oxide. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 6766-6770	3.6	28
16	A lithium passivated MoO nanobelt decorated polypropylene separator for fast-charging long-life Li-S batteries. <i>Nanoscale</i> , <b>2019</b> , 11, 2892-2900	7.7	24
15	FeS <sub>2</sub> Nanocrystal Ink as a Catalytic Electrode for Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 6826-6830	3.6	22
14	Photoluminescence quenching of graphene oxide by metal ions in aqueous media. <i>Carbon</i> , <b>2015</b> , 82, 24-30	10.4	21
13	Fast and Accurate Artificial Neural Network Potential Model for MAPbI Perovskite Materials. <i>ACS Omega</i> , <b>2019</b> , 4, 10950-10959	3.9	17
12	Multi-layer elemental 2D materials: antimonene, germanene and stanene grown directly on molybdenum disulfides. <i>Semiconductor Science and Technology</i> , <b>2019</b> , 34, 105020	1.8	12
11	Mitigating Metal Dendrite Formation in Lithium-Sulfur Batteries via Morphology-Tunable Graphene Oxide Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 2060-2070	9.5	12
10	Understanding chemical short-range ordering/demixing coupled with lattice distortion in solid solution high entropy alloys. <i>Acta Materialia</i> , <b>2021</b> , 216, 117140	8.4	10
9	Wavelength-dependent optical transition mechanisms for light-harvesting of perovskite MAPbI <sub>3</sub> solar cells using first-principles calculations. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 5248-5254	7.1	9

8	Microstructure Maps of Complex Perovskite Materials from Extensive Monte Carlo Sampling Using Machine Learning Enabled Energy Model. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 3591-3599	6.4	8
7	Artificial Neural Network Model for Atomistic Simulations of $\{\text{Sb/MoS}_2\}$ van der Waals Heterostructures. <i>Multiscale Science and Engineering</i> , <b>2019</b> , 1, 119-129	1.2	7
6	A highly distorted ultraelastic chemically complex Elinvar alloy.. <i>Nature</i> , <b>2022</b> , 602, 251-257	50.4	4
5	Few-layer fluorine-functionalized graphene hole-selective contacts for efficient inverted perovskite solar cells. <i>Chemical Engineering Journal</i> , <b>2022</b> , 430, 132831	14.7	4
4	Surface structures and equilibrium shapes of layered 2D Ruddlesden-Popper perovskite crystals from density functional theory calculations. <i>Materials Today Communications</i> , <b>2021</b> , 26, 101745	2.5	3
3	Atomistic Structures and Energetics of Perovskite Nucleation Pathway During Sequential Deposition Process. <i>Multiscale Science and Engineering</i> , <b>2020</b> , 2, 227-234	1.2	0
2	Enhanced sorption of the UV filter 4-methylbenzylidene camphor on aged PET microplastics from both experimental and theoretical perspectives.. <i>RSC Advances</i> , <b>2021</b> , 11, 32494-32504	3.7	0
1	Structural and Electronic Properties of Intertwined Defect in Ruddlesden-Popper 2D Perovskites Study Using Density Functional Theory Calculations. <i>Multiscale Science and Engineering</i> , <b>2021</b> , 3, 205	1.2	