Wei-Chun Lin

List of Publications by Year
in descending order

23 papers	520 citations	686830 13 h-index	642321 23 g-index
23 all docs	23 docs citations	23 times ranked	906 citing authors

#	Article	IF	Citations
1	Depth Profiling of Organic Films with X-ray Photoelectron Spectroscopy Using C60+and Ar+Co-Sputtering. Analytical Chemistry, 2008, 80, 3412-3415.	3.2	62
2	Tuning the surface potential of gold substrates arbitrarily with self-assembled monolayers with mixed functional groups. Physical Chemistry Chemical Physics, 2009, 11, 6199.	1.3	62
3	Imaging the Long Transport Lengths of Photo-generated Carriers in Oriented Perovskite Films. Nano Letters, 2016, 16, 7925-7929.	4.5	50
4	Sputter-induced chemical transformation in oxoanions by combination of C60+ and Ar+ ion beams analyzed with X-ray photoelectron spectrometry. Analyst, The, 2009, 134, 945.	1.7	43
5	Migration of small molecules during the degradation of organic light-emitting diodes. Organic Electronics, 2009, 10, 581-586.	1.4	42
6	In situ XPS investigation of the X-ray-triggered decomposition of perovskites in ultrahigh vacuum condition. Npj Materials Degradation, 2021, 5, .	2.6	36
7	3D In Situ ToFâ€SIMS Imaging of Perovskite Films under Controlled Humidity Environmental Conditions. Advanced Materials Interfaces, 2017, 4, 1600673.	1.9	32
8	Effect of fabrication process on the microstructure and the efficiency of organic light-emitting diode. Organic Electronics, 2009, 10, 459-464.	1.4	31
9	Improving the electron mobility of TiO2 nanorods for enhanced efficiency of a polymerâ€“nanoparticle solar cell. CrystEngComm, 2012, 14, 4772.	1.3	26
10	Three-Dimensional Nanoscale Imaging of Polymer Bulk-Heterojunction by Scanning Electrical Potential Microscopy and C₆₀⁺ Cluster Ion Slicing. Analytical Chemistry, 2009, 81, 8936-8941.	3.2	21
11	Sputter damage in Si (001) surface by combination of C60+ and Ar+ ion beams. Applied Surface Science, 2008, 255, 2490-2493.	3.1	18
12	Highly Efficient Nonfullerene Organic Photovoltaic Devices with 10% Power Conversion Efficiency Enabled by a Fineâ€Tuned and Solutionâ€Processed Holeâ€Transporting Layer. Solar Rrl, 2020, 4, 2000223.	3.1	16
13	Curing of degraded MAPbI₃perovskite films. RSC Advances, 2016, 6, 60620-60625.	1.7	15
14	Complete Conversion of PbI 2 to Methyl Ammonium PbI 3 Improves Perovskite Solar Cell Efficiency. ChemPhysChem, 2017, 18, 47-50.	1.0	10
15	Novel high-entropy ceramic/carbon composite materials for the decomposition of organic pollutants. Materials Chemistry and Physics, 2022, 275, 125274.	2.0	10
16	Polyol synthesis of polycrystalline cuprous oxide nanoribbons and their growth chemistry. Journal of Nanoparticle Research, 2011, 13, 669-682.	0.8	9
17	The role of the auxiliary atomic ion beam in C₆₀⁺â€“Ar⁺co-sputtering. Analyst, The, 2011, 136, 941-946.	1.7	8
18	Interpenetration of CH3NH3PbI3 and TiO2 improves perovskite solar cells while TiO2 expansion leads to degradation. Physical Chemistry Chemical Physics, 2017, 19, 21407-21413.	1.3	8

#	Article	IF	Citations
19	X-ray Photoelectron Spectroscopy Equipped with Gas Cluster Ion Beams for Evaluation of the Sputtering Behavior of Various Nanomaterials. ACS Applied Nano Materials, 2022, 5, 4260-4268.	2.4	7
20	Auger Electron Spectroscopy Analysis of the Thermally Induced Degradation of MAPbI₃ Perovskite Films. ACS Omega, 2021, 6, 34606-34614.	1.6	5
21	Study on Optical and Electrical Properties of Thermally Evaporated Tin Oxide Thin Films for Perovskite Solar Cells. Crystals, 2021, 11, 1380.	1.0	4
22	Comparing Titaniaâ€Based Architectures for Perovskite Solar Cells: A Combined Opticalâ€“Electronic Loss Analysis. Small Methods, 2018, 2, 1700275.	4.6	3
23	Functional Superhydrophobic Surfaces with Spatially Programmable Adhesion. Polymers, 2020, 12, 2968.	2.0	2