

Ying Zhou

List of Publications by Year in descending order

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36
papers

814
citations

567281

15
h-index

501196

28
g-index

36
all docs

36
docs citations

36
times ranked

1347
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon nanotube based transparent conductive films: progress, challenges, and perspectives. Science and Technology of Advanced Materials, 2016, 17, 493-516.	6.1	125
2	Glancing Angle Deposition of Copper Iodide Nanocrystals for Efficient Organic Photovoltaics. Nano Letters, 2012, 12, 4146-4152.	9.1	92
3	Control over the wettability of amorphous carbon films in a large range from hydrophilicity to super-hydrophobicity. Applied Surface Science, 2006, 253, 2690-2694.	6.1	86
4	Size and shape controlled LiMnPO ₄ nanocrystals by a supercritical ethanol process and their electrochemical properties. Journal of Materials Chemistry, 2011, 21, 15813.	6.7	74
5	Phase separation of co-evaporated ZnPc:C60 blend film for highly efficient organic photovoltaics. Applied Physics Letters, 2012, 100, 233302.	3.3	50
6	A highly durable, stretchable, transparent and conductive carbon nanotube-polymeric acid hybrid film. Nanoscale, 2019, 11, 3804-3813.	5.6	43
7	Efficient Small-Molecule Photovoltaic Cells Using a Crystalline Diindenoperylene Film as a Nanostructured Template. Advanced Materials, 2013, 25, 6069-6075.	21.0	39
8	Dual Optimization of Bulk and Surface via Guanidine Halide for Efficient and Stable 2D/3D Hybrid Perovskite Solar Cells. Advanced Energy Materials, 2022, 12, .	19.5	30
9	The modifications of the surface wettability of amorphous carbon films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 335, 128-132.	4.7	24
10	Building interconnects in carbon nanotube networks with metal halides for transparent electrodes. Carbon, 2015, 87, 61-69.	10.3	24
11	Growth and dielectric properties of tetragonal ZrO ₂ films by limited reaction sputtering. Journal Physics D: Applied Physics, 2008, 41, 175414.	2.8	21
12	Controlled growth of dibenzotetraphenylperiflanthene thin films by varying substrate temperature for photovoltaic applications. Solar Energy Materials and Solar Cells, 2011, 95, 2861-2866.	6.2	20
13	Optical pumped lasing in solution processed perovskite semiconducting materials: Self-assembled microdisk lasing. Japanese Journal of Applied Physics, 2016, 55, 04ES02.	1.5	18
14	SUPERHYDROPHOBIC SURFACES PREPARED BY PLASMA FLUORINATION OF LOTUS-LEAF-LIKE AMORPHOUS CARBON FILMS. Surface Review and Letters, 2006, 13, 117-122.	1.1	17
15	Epitaxial Growth of C ₆₀ on Rubrene Single Crystals for a Highly Ordered Organic Donor/Acceptor Interface. Crystal Growth and Design, 2017, 17, 4622-4627.	3.0	17
16	Understanding the doping effects on the structural and electrical properties of ultrathin carbon nanotube networks. Journal of Applied Physics, 2015, 118, 215305.	2.5	15
17	Structural modifications of zinc phthalocyanine thin films for organic photovoltaic applications. Journal of Applied Physics, 2012, 111, .	2.5	13
18	Thickness dependence of the structural and dielectric properties of epitaxial ZrO ₂ films grown by limited reaction sputtering. Journal Physics D: Applied Physics, 2009, 42, 205406.	2.8	12

#	ARTICLE	IF	CITATIONS
19	Optically pumped lasing in solution-processed perovskite semiconducting materials: Self-assembled Fabry-Pérot microcavity. Japanese Journal of Applied Physics, 2017, 56, 04CL07.	1.5	12
20	The use of acids in the exfoliation of carbon nanotubes and its application toward fabricating chemically stable and highly conducting transparent films. Applied Surface Science, 2020, 515, 146027.	6.1	12
21	Nonuniform functional group distribution of carbon nanotubes studied by energy dispersive X-ray spectrometry imaging in SEM. Nanoscale, 2019, 11, 21487-21492.	5.6	11
22	Fabrication of carbon nanotube hybrid films as transparent electrodes for small-molecule photovoltaic cells. RSC Advances, 2016, 6, 25062-25069.	3.6	10
23	Highly conducting, durable and large area carbon nanotube thick films for stretchable and flexible electrodes. Applied Physics Letters, 2019, 114, .	3.3	9
24	Heteroepitaxial growth of C ₆₀ on tetracene single crystal. Materials Research Society Symposia Proceedings, 2013, 1501, 1.	0.1	6
25	Structural influences on charge carrier dynamics for small-molecule organic photovoltaics. Journal of Applied Physics, 2014, 116, 013105.	2.5	6
26	Structures and Fluorescence Properties for the Crystals, Powders, and Thin Films of Dithienylhexatrienes: Effects of Positional Isomerism. Crystal Growth and Design, 2018, 18, 6477-6487.	3.0	5
27	Constructing Nanostructured Donor/Acceptor Bulk Heterojunctions via Interfacial Templates for Efficient Organic Photovoltaics. ACS Applied Materials & Interfaces, 2017, 9, 43893-43901.	8.0	5
28	Preparation of ZrO ₂ ultrathin films as gate dielectrics by limited reaction sputtering on growth delay time at initial growth stage. Applied Surface Science, 2008, 254, 6131-6134.	6.1	3
29	Improved Dielectric Properties of Tetragonal ZrO ₂ Gate Dielectric Fabricated by Ozone-Assisted Sputtering. Japanese Journal of Applied Physics, 2009, 48, 060208.	1.5	3
30	Controlled growth of ZnPc thin films for photovoltaic applications. Physics Procedia, 2011, 14, 221-225.	1.2	3
31	Stable iodide doping induced by photonic curing for carbon nanotube transparent conductive films. Japanese Journal of Applied Physics, 2018, 57, 065101.	1.5	3
32	Low temperature TiO _x compact layer by chemical bath deposition method for vapor deposited perovskite solar cells. , 2014, , .		2
33	Understanding Device-Structure-Induced Variations in Open-Circuit Voltage for Organic Photovoltaics. ACS Applied Materials & Interfaces, 2015, 7, 10814-10822.	8.0	2
34	Efficient small-molecule photovoltaic cells using nanostructured template. Proceedings of SPIE, 2014, , .	0.8	1
35	Morphological analysis of co-evaporated blend films based on initial growth for organic photovoltaics. Applied Surface Science, 2015, 355, 1261-1266.	6.1	1
36	Improvement of dielectric properties of ZrO ₂ films prepared by limited reaction sputtering. , 2008, , .		0