

Chenggong Wang

List of Publications by Year in descending order

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29
papers

2,744
citations

430874

18
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

4993
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient, high yield perovskite photovoltaic devices grown by interdiffusion of solution-processed precursor stacking layers. <i>Energy and Environmental Science</i> , 2014, 7, 2619-2623.	30.8	1,154
2	High Performance All-Polymer Solar Cell via Polymer Side-Chain Engineering. <i>Advanced Materials</i> , 2014, 26, 3767-3772.	21.0	320
3	Understanding the formation and evolution of interdiffusion grown organolead halide perovskite thin films by thermal annealing. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18508-18514.	10.3	276
4	Tuning the threshold voltage of carbon nanotube transistors by n-type molecular doping for robust and flexible complementary circuits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4776-4781.	7.1	179
5	Evaluation of Solution-Processable Carbon-Based Electrodes for All-Carbon Solar Cells. <i>ACS Nano</i> , 2012, 6, 10384-10395.	14.6	154
6	Degradation by Exposure of Coevaporated $\text{CH}_3\text{NH}_3\text{PbI}_3$ Thin Films. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23996-24002.	3.1	112
7	Electronic structures at the interface between Au and $\text{CH}_3\text{NH}_3\text{PbI}_3$. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 896-902.	2.8	82
8	Electronic structure evolution of fullerene on $\text{CH}_3\text{NH}_3\text{PbI}_3$. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	44
9	Surface analytical investigation on organometal triiodide perovskite. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015, 33, .	1.2	43
10	Investigation on thermal evaporated $\text{CH}_3\text{NH}_3\text{PbI}_3$ thin films. <i>AIP Advances</i> , 2015, 5, .	1.3	42
11	Role of molybdenum oxide for organic electronics: Surface analytical studies. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014, 32, 040801.	1.2	41
12	Interfacial electronic structures of buffer-modified pentacene/C60-based charge generation layer. <i>Organic Electronics</i> , 2015, 17, 325-333.	2.6	39
13	Degradation of co-evaporated perovskite thin film in air. <i>Chemical Physics Letters</i> , 2016, 649, 151-155.	2.6	39
14	Electronic structure evolution and energy level alignment at C60/4,4'-cyclohexylidenebis[N,N-bis(4-methylphenyl) benzenamine]/MoOx/indium tin oxide interfaces. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	36
15	Hydroxyapatite Thin Films with Giant Electrical Polarization. <i>Chemistry of Materials</i> , 2015, 27, 1164-1171.	6.7	35
16	Te/Cu bi-layer: A low-resistance back contact buffer for thin film CdS/CdTe solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2014, 128, 411-420.	6.2	32
17	Effect of oxygen plasma treatment on air exposed MoOx thin film. <i>Organic Electronics</i> , 2014, 15, 977-983.	2.6	32
18	Orientation-dependent ionization potential of CuPc and energy level alignment at C60/CuPc interface. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 361-365.	2.2	19

#	ARTICLE	IF	CITATIONS
19	Molecular orientation of copper phthalocyanine thin films on different monolayers of fullerene on SiO ₂ or highly oriented pyrolytic graphite. Applied Physics Letters, 2015, 106, .	3.3	12
20	Pinning of fullerene lowest unoccupied molecular orbital edge at the interface with standing up copper phthalocyanine. Thin Solid Films, 2012, 525, 64-67.	1.8	11
21	Protection of MoO ₃ high work function by organic thin film. Applied Physics Letters, 2014, 105, 181602.	3.3	9
22	Electronic structure evolution in doping of fullerene (C60) by molybdenum trioxide. Applied Physics Letters, 2014, 105, 111601.	3.3	8
23	Electronic structure evolution in doping of fullerene (C60) by ultra-thin layer molybdenum trioxide. Journal of Applied Physics, 2015, 118, .	2.5	7
24	Methods to protect and recover work function of air exposed transition metal oxide thin films. Proceedings of SPIE, 2012, , .	0.8	4
25	Degradation of Co-Evaporated Perovskite Thin Films. MRS Advances, 2016, 1, 923-929.	0.9	4
26	Delineation of degradation patterns of C60-based organic solar cells under different environments. Journal of Applied Physics, 2015, 117, .	2.5	3
27	Effect of air exposure of MoO ₃ film underneath thin CuPc layers. Materials Research Society Symposia Proceedings, 2013, 1493, 287-292.	0.1	1
28	Manipulation of interface electronic structure by thin metal oxide films. Materials Research Society Symposia Proceedings, 2013, 1537, 1.	0.1	0
29	Surface Analytical Investigation on Organometal Triiodide Perovskite. Materials Research Society Symposia Proceedings, 2016, 1735, 151.	0.1	0