

Wallace Ch Choy

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

395
citations

1307594

7
h-index

1720034

7
g-index

10
all docs

10
docs citations

10
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-Temperature Solution-Processed NiO ₂ :PbI ₂ Nanocomposite Structures for Realizing High-Performance Perovskite Photodetectors. ACS Nano, 2016, 10, 6808-6815.	14.6	122
2	Efficient Inverted Polymer Solar Cells with Directly Patterned Active Layer and Silver Back Grating. Journal of Physical Chemistry C, 2012, 116, 7200-7206.	3.1	93
3	Optical and electrical study of organic solar cells with a 2D grating anode. Optics Express, 2012, 20, 2572.	3.4	52
4	Synthesis, vacuum ultraviolet and near ultraviolet-excited luminescent properties of GdCaAl ₃ O ₇ : RE ³⁺ (RE=Eu, Tb). Journal of Solid State Chemistry, 2005, 178, 3004-3009.	2.9	48
5	Achieving High-Quality Sn-Pb Perovskite Films on Complementary Metal-Oxide-Semiconductor-Compatible Metal/Silicon Substrates for Efficient Imaging Array. ACS Nano, 2019, 13, 11800-11808.	14.6	40
6	Synthesis and luminescent properties of GdSrAl ₃ O ₇ :Tb ³⁺ phosphor under VUV/UV excitation. Journal of Alloys and Compounds, 2008, 463, 302-305.	5.5	24
7	A comprehensively theoretical and experimental study of carrier generation and transport for achieving high performance ternary blend organic solar cells. Nano Energy, 2018, 51, 206-215.	16.0	14
8	Multiphysics modeling of plasmonic organic solar cells with a unified finite-difference method. , 2013, , .		1
9	Using novel metal oxides and multiple plasmonic nanostructures for emerging organic optoelectronic devices. , 2015, , .		1
10	Plasmonic and metal oxide systems for high performance OLEDs and OPVs. , 2015, , .		0