

Yu Yang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

184
citations

1163117
8
h-index

1058476
14
g-index

19
all docs

19
docs citations

19
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in the preparation and application of quantum dots/graphene composite materials. RSC Advances, 2017, 7, 47999-48018.	3.6	43
2	Improved electrochemical performance of binder-free multi-layered silicon/carbon thin film electrode for lithium-ion batteries. Carbon, 2019, 153, 592-601.	10.3	29
3	Highly Conductive and Wettable PEDOT:PSS for Simple and Efficient Organic/c-Si Planar Heterojunction Solar Cells. Solar Rrl, 2020, 4, 1900513.	5.8	22
4	Planar Organic/c-Si Hybrid Solar Cell with MoO _x Mixed PEDOT:PSS as Hole Injection Layer Profits from Mo ⁵⁺ and Mo ⁶⁺ Synergistic Effects. Advanced Materials Interfaces, 2020, 7, 2000754.	3.7	15
5	Interface Engineering of Silicon/Carbon Thin-Film Anodes for High-Rate Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 29242-29252.	8.0	11
6	Morphological evolution of self-assembled SiGe islands based on a mixed-phase pre-SiGe island layer grown by ion beam sputtering deposition. Applied Surface Science, 2015, 328, 387-394.	6.1	10
7	Sputtered Ge/Si Nanocomposite Films as High Performance Anode Materials for Lithium-Ion Battery. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 427-437.	3.7	10
8	Improved performances of lithium-ion batteries using intercalated a-Si/Ag thin film layers as electrodes. RSC Advances, 2018, 8, 41404-41414.	3.6	9
9	Review of the Synthetic Techniques and Applications of the Quantum Dots/Graphene Composites. Nano, 2018, 13, 1830003.	1.0	9
10	Highly tunable doping in Ge quantum dots/graphene composite with distinct quantum dot growth evolution. Nanotechnology, 2019, 30, 195601.	2.6	7
11	Controllable Fabrication of Non-Close-Packed Colloidal Nanoparticle Arrays by Ion Beam Etching. Nanoscale Research Letters, 2018, 13, 177.	5.7	6
12	Microcrystal-Induced Crystallization Effect for High-Quality Germanium/Silicon Heteroepitaxial Nanofilms. ACS Applied Electronic Materials, 2021, 3, 3391-3399.	4.3	4
13	Antireflection Improvement and Junction Quality Optimization of Si/PEDOT:PSS Solar Cell with the Introduction of Dopamine@Graphene. Energies, 2020, 13, 5986.	3.1	3
14	The ideal doping concentration of silicon wafer for single junction hybrid n-Si /PEDOT: PSS solar cells with 3.2% elevated PCE and Voc of 620mV. Journal of Materials Science: Materials in Electronics, 2020, 31, 6398-6405.	2.2	3
15	Chaotic Mixing Analyzing in Continuous Mixer with Tracing the Morphology Development of a Polymeric Drop. Processes, 2020, 8, 1308.	2.8	2
16	Improving Hole Transport and Extraction by Interface Engineering in Perovskite Solar Cells. Energy Technology, 0, , 2101002.	3.8	1
17	Silicon Substrate Treated with Diluted NaOH Aqueous for Si/PEDOT: PSS Heterojunction Solar Cell with Performance Enhancement. Energies, 2020, 13, 4659.	3.1	0
18	Deposition amount effects on the microstructure of ion-beam-sputtering grown Mn _{0.03} Ge _{0.97} quantum dots for spintronic applications. Nanotechnology, 2021, 32, 140001.	2.6	0

#	ARTICLE	IF	CITATIONS
19	Insights into thermodynamic properties of CsCl-type HfTM (TM=Fe, Ru, Os) compounds from first-principles calculations. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	0