

Yu Yang

List of Publications by Year in descending order

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19
papers

184
citations

1162889
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all docs

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docs citations

19
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Deposition amount effects on the microstructure of ion-beam-sputtering grown Mn _{0.03} Ge _{0.97} quantum dots for spintronic applications. <i>Nanotechnology</i> , 2021, 32, 140001.	1.3	0
2	Insights into thermodynamic properties of CsCl-type HfTM (TM = Fe, Ru, Os) compounds from first-principles calculations. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	0
3	Microcrystal-Induced Crystallization Effect for High-Quality Germanium/Silicon Heteroepitaxial Nanofilms. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3391-3399.	2.0	4
4	Sputtered Ge/Si Nanocomposite Films as High Performance Anode Materials for Lithium-Ion Battery. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 427-437.	1.9	10
5	Highly Conductive and Wettable PEDOT:PSS for Simple and Efficient Organic/Si Planar Heterojunction Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900513.	3.1	22
6	Silicon Substrate Treated with Diluted NaOH Aqueous for Si/PEDOT: PSS Heterojunction Solar Cell with Performance Enhancement. <i>Energies</i> , 2020, 13, 4659.	1.6	0
7	Antireflection Improvement and Junction Quality Optimization of Si/PEDOT:PSS Solar Cell with the Introduction of Dopamine@Graphene. <i>Energies</i> , 2020, 13, 5986.	1.6	3
8	Planar Organic/Si Hybrid Solar Cell with MoO _x Mixed PEDOT:PSS as Hole Injection Layer Profits from Mo ⁵⁺ and Mo ⁶⁺ Synergistic Effects. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000754.	1.9	15
9	Chaotic Mixing Analyzing in Continuous Mixer with Tracing the Morphology Development of a Polymeric Drop. <i>Processes</i> , 2020, 8, 1308.	1.3	2
10	Interface Engineering of Silicon/Carbon Thin-Film Anodes for High-Rate Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29242-29252.	4.0	11
11	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. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6398-6405.	1.1	3
12	Improved electrochemical performance of binder-free multi-layered silicon/carbon thin film electrode for lithium-ion batteries. <i>Carbon</i> , 2019, 153, 592-601.	5.4	29
13	Highly tunable doping in Ge quantum dots/graphene composite with distinct quantum dot growth evolution. <i>Nanotechnology</i> , 2019, 30, 195601.	1.3	7
14	Improved performances of lithium-ion batteries using intercalated a-Si/Ag thin film layers as electrodes. <i>RSC Advances</i> , 2018, 8, 41404-41414.	1.7	9
15	Controllable Fabrication of Non-Close-Packed Colloidal Nanoparticle Arrays by Ion Beam Etching. <i>Nanoscale Research Letters</i> , 2018, 13, 177.	3.1	6
16	Review of the Synthetic Techniques and Applications of the Quantum Dots/Graphene Composites. <i>Nano</i> , 2018, 13, 1830003.	0.5	9
17	Recent progress in the preparation and application of quantum dots/graphene composite materials. <i>RSC Advances</i> , 2017, 7, 47999-48018.	1.7	43
18	Morphological evolution of self-assembled SiGe islands based on a mixed-phase pre-SiGe island layer grown by ion beam sputtering deposition. <i>Applied Surface Science</i> , 2015, 328, 387-394.	3.1	10

#	ARTICLE	IF	CITATIONS
19	Improving Hole Transport and Extraction by Interface Engineering in Perovskite Solar Cells. Energy Technology, 0, , 2101002.	1.8	1