Fangyuan Liu

List of Publications by Year
in descending order

18	415	567281 15	839539 18
papers	citations	h-index	g-index

18	18	18	521
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transition-metal doped titanate nanowire photocatalysts boosted by selective ion-exchange induced defect engineering. Applied Surface Science, 2022, 591, 153116.	6.1	10
2	Toward Long-Term Accurate and Continuous Monitoring of Nitrate in Wastewater Using Poly(tetrafluoroethylene) (PTFE)â€“Solid-State Ion-Selective Electrodes (S-ISEs). ACS Sensors, 2020, 5, 3182-3193.	7.8	39
3	Ceria-based nanoflake arrays integrated on 3D cordierite honeycombs for efficient low-temperature diesel oxidation catalyst. Applied Catalysis B: Environmental, 2019, 245, 623-634.	20.2	28
4	Cathode and Anode Interlayers Based on Polymer Carbon Dots via Work Function Regulation for Efficient Polymer Solar Cells. Advanced Materials Interfaces, 2018, 5, 1701519.	3.7	20
5	Aqueousâ€Processed Polymer/Nanocrystal Hybrid Solar Cells with Doubleâ€Side Bulk Heterojunction. Advanced Energy Materials, 2018, 8, 1701966.	19.5	17
6	Direct Synthesis of Conformal Layered Protonated Titanate Nanoarray Coatings on Various Substrate Surfaces Boosted by Low-Temperature Microwave-Assisted Hydrothermal Synthesis. ACS Applied Materials & Interfaces, 2018, 10, 35164-35174.	8.0	10
7	Manipulating Depletion Region of Aqueousâ€Processed Nanocrystals Solar Cells with Widened Fermi Level Offset. Small, 2018, 14, e1803072.	10.0	3
8	Constructing Postâ€Permeation Method to Fabricate Polymer/Nanocrystals Hybrid Solar Cells with PCE Exceeding 6%. Small, 2017, 13, 1603771.	10.0	16
9	Aqueousâ€Processed Polymer/Nanocrystals Hybrid Solar Cells: The Effects of Chlorine on the Synthesis of CdTe Nanocrystals, Crystal Growth, Defect Passivation, Photocarrier Dynamics, and Device Performance. Solar Rrl, 2017, 1, 1600020.	5.8	24
10	High-Efficiency Aqueous-Processed Polymer/CdTe Nanocrystals Planar Heterojunction Solar Cells with Optimized Band Alignment and Reduced Interfacial Charge Recombination. ACS Applied Materials & Interfaces, 2017, 9, 31345-31351.	8.0	29
11	Improvement in Open-Circuit Voltage of Thin Film Solar Cells from Aqueous Nanocrystals by Interface Engineering. ACS Applied Materials & Interfaces, 2016, 8, 900-907.	8.0	35
12	An effective poly(p-phenylenevinylene) polymer adhesion route toward three-dimensional nitrogen-doped carbon nanotube/reduced graphene oxide composite for direct electrocatalytic oxygen reduction. Nano Research, 2016, 9, 3364-3376.	10.4	19
13	Unravelling the working junction of aqueous-processed polymerâ€“nanocrystal solar cells towards improved performance. Physical Chemistry Chemical Physics, 2016, 18, 15791-15797.	2.8	15
14	High efficiency aqueous-processed MEH-PPV/CdTe hybrid solar cells with a PCE of 4.20%. Journal of Materials Chemistry A, 2016, 4, 1105-1111.	10.3	24
15	Aqueous-Processed Insulating Polymer/Nanocrystal Hybrid Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 7101-7110.	8.0	23
16	Efficient aqueous-processed hybrid solar cells from a polymer with a wide bandgap. Journal of Materials Chemistry A, 2015, 3, 10969-10975.	10.3	30
17	Aqueous-Processed Inorganic Thin-Film Solar Cells Based on CdSe_xTe_{1â€“x} Nanocrystals: The Impact of Composition on Photovoltaic Performance. ACS Applied Materials & Interfaces, 2015, 7, 23223-23230.	8.0	48
18	Efficient inorganic solar cells from aqueous nanocrystals: the impact of composition on carrier dynamics. RSC Advances, 2015, 5, 74263-74269.	3.6	25