# 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 | Aqueous-Processed Inorganic Thin-Film Solar Cells Based on CdSe<sub>x</sub>Te<sub>1â€“x</sub> Nanocrystals: The Impact of Composition on Photovoltaic Performance. ACS Applied Materials & Interfaces, 2015, 7, 23223-23230. | 8.0 | 48 |
| 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 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Efficient inorganic solar cells from aqueous nanocrystals: the impact of composition on carrier dynamics. RSC Advances, 2015, 5, 74263-74269. | 3.6 | 25 |
| 8 | 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 |
| 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 | Aqueous-Processed Insulating Polymer/Nanocrystal Hybrid Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 7101-7110. | 8.0 | 23 |
| 11 | 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 |
| 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 | Aqueousâ€Processed Polymer/Nanocrystal Hybrid Solar Cells with Doubleâ€Side Bulk Heterojunction. Advanced Energy Materials, 2018, 8, 1701966. | 19.5 | 17 |
| 14 | Constructing Postâ€Permeation Method to Fabricate Polymer/Nanocrystals Hybrid Solar Cells with PCE Exceeding 6%. Small, 2017, 13, 1603771. | 10.0 | 16 |
| 15 | 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 |
| 16 | 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 |
| 17 | Transition-metal doped titanate nanowire photocatalysts boosted by selective ion-exchange induced defect engineering. Applied Surface Science, 2022, 591, 153116. | 6.1 | 10 |
| 18 | Manipulating Depletion Region of Aqueousâ€Processed Nanocrystals Solar Cells with Widened Fermi Level Offset. Small, 2018, 14, e1803072. | 10.0 | 3 |