

Tao Jin

List of Publications by Year in descending order

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759233

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#	ARTICLE	IF	CITATIONS
1	Contributions of exciton fine structure and hole trapping on the hole state filling effect in the transient absorption spectra of CdSe quantum dots. <i>Journal of Chemical Physics</i> , 2022, 156, 054704.	3.0	8
2	Bright State Sensitized Triplet Energy Transfer from Quantum Dot to Molecular Acceptor Revealed by Temperature Dependent Energy Transfer Dynamics. <i>Nano Letters</i> , 2022, 22, 3897-3903.	9.1	12
3	Tailoring Charge Separation at Meticulously Engineered Conjugated Polymer/Perovskite Quantum Dot Interface for Photocatalyzing Atom Transfer Radical Polymerization. <i>Journal of the American Chemical Society</i> , 2022, 144, 12901-12914.	13.7	24
4	Mechanistic Understanding and Rational Design of Quantum Dot/Mediator Interfaces for Efficient Photon Upconversion. <i>Accounts of Chemical Research</i> , 2021, 54, 70-80.	15.6	34
5	Enhancing the efficiency of semiconducting quantum dot photocatalyzed atom transfer radical polymerization by ligand shell engineering. <i>Journal of Chemical Physics</i> , 2021, 154, 204903.	3.0	19
6	Surface-Ligand "Liquid" to "Crystalline" Phase Transition Modulates the Solar H ₂ Production Quantum Efficiency of CdS Nanorod/Mediator/Hydrogenase Assemblies. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35614-35625.	8.0	16
7	Enhanced intersystem crossing of boron dipyrromethene by TEMPO radical. <i>Journal of Chemical Physics</i> , 2020, 153, 154201.	3.0	6
8	Trap state mediated triplet energy transfer from CdSe quantum dots to molecular acceptors. <i>Journal of Chemical Physics</i> , 2020, 153, 074703.	3.0	24
9	Enhanced Light-Driven Charge Separation and H ₂ Generation Efficiency in WSe ₂ Nanosheet/Semiconductor Nanocrystal Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44769-44776.	8.0	13
10	Surface passivation extends single and biexciton lifetimes of InP quantum dots. <i>Chemical Science</i> , 2020, 11, 5779-5789.	7.4	47
11	Competition of Dexter, Förster, and charge transfer pathways for quantum dot sensitized triplet generation. <i>Journal of Chemical Physics</i> , 2020, 152, 214702.	3.0	27
12	Direct triplet sensitization of oligothiophene by quantum dots. <i>Chemical Science</i> , 2019, 10, 6120-6124.	7.4	23
13	Enhanced triplet state generation through radical pair intermediates in BODIPY-quantum dot complexes. <i>Journal of Chemical Physics</i> , 2019, 151, 241101.	3.0	20
14	Insight into Electrocatalysts as Co-catalysts in Efficient Photocatalytic Hydrogen Evolution. <i>ACS Catalysis</i> , 2016, 6, 4253-4257.	11.2	120
15	Molecular co-catalyst accelerating hole transfer for enhanced photocatalytic H ₂ evolution. <i>Nature Communications</i> , 2015, 6, 8647.	12.8	172