

Tao Jin

List of Publications by Year in descending order

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papers

565
citations

759233

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all docs

15
docs citations

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times ranked

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citing authors

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