

Jier Huang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3777205/publications.pdf>

Version: 2024-02-01

62
papers

4,429
citations

147801

31
h-index

123424

61
g-index

64
all docs

64
docs citations

64
times ranked

6237
citing authors

#	ARTICLE	IF	CITATIONS
1	2D Covalent Organic Frameworks as Intrinsic Photocatalysts for Visible Light-Driven CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2018, 140, 14614-14618.	13.7	461
2	Atomically engineering activation sites onto metallic 1T-MoS ₂ catalysts for enhanced electrochemical hydrogen evolution. <i>Nature Communications</i> , 2019, 10, 982.	12.8	311
3	Unveiling Charge-Separation Dynamics in CdS/Metal-Organic Framework Composites for Enhanced Photocatalysis. <i>ACS Catalysis</i> , 2018, 8, 11615-11621.	11.2	262
4	Mixed-Node Metal-Organic Frameworks as Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Energy Letters</i> , 2018, 3, 2520-2526.	17.4	252
5	Photodrive Charge Separation Dynamics in CdSe/ZnS Core/Shell Quantum Dot/Cobaloxime Hybrid for Efficient Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2012, 134, 16472-16475.	13.7	249
6	Photoinduced Ultrafast Electron Transfer from CdSe Quantum Dots to Re-bipyridyl Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 5632-5633.	13.7	231
7	Multiple Exciton Dissociation in CdSe Quantum Dots by Ultrafast Electron Transfer to Adsorbed Methylene Blue. <i>Journal of the American Chemical Society</i> , 2010, 132, 4858-4864.	13.7	212
8	Donor-Acceptor Fluorophores for Energy-Transfer-Mediated Photocatalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 13719-13725.	13.7	174
9	Exciton Dissociation in CdSe Quantum Dots by Hole Transfer to Phenothiazine. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19734-19738.	3.1	164
10	Distribution and Valence State of Ru Species on CeO ₂ Supports: Support Shape Effect and Its Influence on CO Oxidation. <i>ACS Catalysis</i> , 2019, 9, 11088-11103.	11.2	159
11	Exceptionally Long-Lived Charge Separated State in Zeolitic Imidazolate Framework: Implication for Photocatalytic Applications. <i>Journal of the American Chemical Society</i> , 2016, 138, 8072-8075.	13.7	155
12	Size Engineering of Metal-Organic Framework MIL-101(Cr)-Ag Hybrids for Photocatalytic CO ₂ Reduction. <i>ACS Catalysis</i> , 2019, 9, 8464-8470.	11.2	149
13	Dynamic evolution and reversibility of single-atom Ni(II) active site in 1T-MoS ₂ electrocatalysts for hydrogen evolution. <i>Nature Communications</i> , 2020, 11, 4114.	12.8	112
14	Ultrafast Hole Trapping and Relaxation Dynamics in p-Type CuS Nanodisks. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2671-2675.	4.6	97
15	Comparison of Electron-Transfer Dynamics from Coumarin 343 to TiO ₂ , SnO ₂ , and ZnO Nanocrystalline Thin Films: Role of Interface-Bound Charge-Separated Pairs. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6560-6566.	3.1	89
16	Highly Efficient Ultrafast Electron Injection from the Singlet MLCT Excited State of Copper(I) Diimine Complexes to TiO ₂ Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12711-12715.	13.8	85
17	Atomic Insight into the W-Doping Effect on Carrier Dynamics and Photoelectrochemical Properties of BiVO ₄ Photoanodes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 1421-1427.	3.1	81
18	Direct Evidence of Photoinduced Charge Transport Mechanism in 2D Conductive Metal Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 21050-21058.	13.7	76

#	ARTICLE	IF	CITATIONS
19	Conjugation- and Aggregation-Directed Design of Covalent Organic Frameworks as White-Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2021, 143, 1061-1068.	13.7	75
20	High-index faceted CuFeS ₂ nanosheets with enhanced behavior for boosting hydrogen evolution reaction. <i>Nanoscale</i> , 2017, 9, 9230-9237.	5.6	70
21	Real-Time Visualization of Active Species in a Single-Site Metal-Organic Framework Photocatalyst. <i>ACS Energy Letters</i> , 2018, 3, 532-539.	17.4	69
22	Photoactive Zeolitic Imidazolate Framework as Intrinsic Heterogeneous Catalysts for Light-Driven Hydrogen Generation. <i>ACS Energy Letters</i> , 2017, 2, 75-80.	17.4	64
23	Mechanistic Probes of Zeolitic Imidazolate Framework for Photocatalytic Application. <i>ACS Catalysis</i> , 2017, 7, 8446-8453.	11.2	56
24	Elucidating Charge Separation Dynamics in a Hybrid Metal-Organic Framework Photocatalyst for Light-Driven H ₂ Evolution. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3305-3311.	3.1	49
25	Carbon Quantum Dot/TiO ₂ Nanohybrids: Efficient Photocatalysts for Hydrogen Generation via Intimate Contact and Efficient Charge Separation. <i>ACS Applied Nano Materials</i> , 2019, 2, 1027-1032.	5.0	47
26	Comparison of Electron Injection Dynamics from Rhodamine B to In ₂ O ₃ , SnO ₂ , and ZnO Nanocrystalline Thin Films. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5203-5212.	3.1	44
27	<i>In Situ</i> Activated Co ₃ Ni ₄ O ₈ as a Highly Active and Ultrastable Electrocatalyst for Hydrogen Generation. <i>ACS Catalysis</i> , 2021, 11, 8174-8182.	11.2	43
28	Tuning Internal Strain in Metal-Organic Frameworks via Vapor Phase Infiltration for CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4572-4580.	13.8	42
29	Domain structure for an amorphous iridium-oxide water-oxidation catalyst characterized by X-ray pair distribution function analysis. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1814-1819.	2.8	39
30	Asynchronous Photoexcited Electronic and Structural Relaxation in Lead-Free Perovskites. <i>Journal of the American Chemical Society</i> , 2019, 141, 13074-13080.	13.7	39
31	Symmetry-Guided Synthesis of N,N'-Bicarbazole and Porphyrin-Based Mixed-Ligand Metal-Organic Frameworks: Light Harvesting and Energy Transfer. <i>Journal of the American Chemical Society</i> , 2021, 143, 20411-20418.	13.7	37
32	Direct Observation of Node-to-Node Communication in Zeolitic Imidazolate Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 11573-11576.	13.7	32
33	The effect of Mo doping on the charge separation dynamics and photocurrent performance of BiVO ₄ photoanodes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32820-32825.	2.8	31
34	Iron(III)-bipyridine incorporated metal-organic frameworks for photocatalytic reduction of CO ₂ with improved performance. <i>Dalton Transactions</i> , 2021, 50, 384-390.	3.3	30
35	Interrogating the photogenerated Ir(IV) state of a water oxidation catalyst using ultrafast optical and X-ray absorption spectroscopy. <i>Chemical Science</i> , 2013, 4, 3863.	7.4	29
36	Electron shuttle in the MOF derived TiO ₂ /CuO heterojunction boosts light driven hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6180-6187.	10.3	28

#	ARTICLE	IF	CITATIONS
37	Exceptionally Robust CuInS ₂ /ZnS Nanoparticles as Single Component Photocatalysts for H ₂ Evolution. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19031-19035.	3.1	27
38	Manipulating Coordination Structures of Mixed-Valence Copper Single Atoms on 1T-MoS ₂ for Efficient Hydrogen Evolution. <i>ACS Catalysis</i> , 2022, 12, 7687-7695.	11.2	26
39	Unravelling a long-lived ligand-to-metal cluster charge transfer state in Ce ^{III} -TCPP metal organic frameworks. <i>Chemical Communications</i> , 2020, 56, 13971-13974.	4.1	20
40	A strong steric hindrance effect on ground state, excited state, and charge separated state properties of a Cu ^I -diimine complex captured by X-ray transient absorption spectroscopy. <i>Dalton Transactions</i> , 2014, 43, 17615-17623.	3.3	19
41	Unravelling the Correlation of Electronic Structure and Carrier Dynamics in CuInS ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 974-980.	3.1	18
42	Tuning Internal Strain in Metal-Organic Frameworks via Vapor Phase Infiltration for CO ₂ Reduction. <i>Angewandte Chemie</i> , 2020, 132, 4602-4610.	2.0	16
43	Site-Selective Probes of Mixed-Node Metal Organic Frameworks for Photocatalytic Hydrogen Generation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1405-1412.	3.1	16
44	Tuning Photoexcited Charge Transfer in Imine-Linked Two-Dimensional Covalent Organic Frameworks. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1398-1405.	4.6	16
45	Implicating the contributions of surface and bulk states on carrier trapping and photocurrent performance of BiVO ₄ photoanodes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6831-6837.	2.8	15
46	Conformational States of Cytochrome P450 Oxidoreductase Evaluated by Förster Resonance Energy Transfer Using Ultrafast Transient Absorption Spectroscopy. <i>Biochemistry</i> , 2016, 55, 5973-5976.	2.5	11
47	Photoinduced interfacial charge separation dynamics in zeolitic imidazolate framework. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14884-14888.	2.8	11
48	Zeolitic imidazolate frameworks as intrinsic light harvesting and charge separation materials for photocatalysis. <i>Journal of Chemical Physics</i> , 2021, 154, 240901.	3.0	11
49	2D Covalent Organic Frameworks with an Incorporated Manganese Complex for Light Driven Carbon Dioxide Reduction. <i>ChemPhotoChem</i> , 2021, 5, 1119-1123.	3.0	10
50	Light-driven hydrogen production from aqueous solutions based on a new Dubois-type nickel catalyst. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7471-7475.	2.8	9
51	Postsynthetic Treatment of ZIF-67 with 5-Methyltetrazole: Evolution from Pseudo-T _d to Pseudo-O _h Symmetry and Collapse of Magnetic Ordering. <i>Inorganic Chemistry</i> , 2022, 61, 6056-6062.	4.0	9
52	Selective Excited-State Dynamics in a Unique Set of Rationally Designed Ni Porphyrins. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17994-18000.	3.1	8
53	Composition effect on the carrier dynamics and catalytic performance of CuInS ₂ /ZnS quantum dots for light driven hydrogen generation. <i>Journal of Chemical Physics</i> , 2019, 151, 214705.	3.0	8
54	The direct observation of charge separation dynamics in CdSe quantum dots/cobaloxime hybrids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4300-4303.	2.8	7

#	ARTICLE	IF	CITATIONS
55	Direct Observation of Photoinduced Charge Separation in Ruthenium Complex/Ni(OH) ₂ Nanoparticle Hybrid. <i>Scientific Reports</i> , 2016, 5, 18505.	3.3	6
56	Distance dependent energy transfer dynamics from a molecular donor to a zeolitic imidazolate framework acceptor. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25445-25449.	2.8	6
57	Enhanced light harvesting ability in zeolitic imidazolate frameworks through energy transfer from CdS nanowires. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3849-3854.	2.8	6
58	Unraveling the Intermediate Species of Co ₃ O ₄ Hollow Spheres for CO ₂ Photoreduction by In Situ X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6215-6220.	3.1	5
59	Impact of π -Conjugation Length on the Excited-State Dynamics of Star-Shaped Carbazole- π -Triazine Organic Chromophores. <i>Journal of Physical Chemistry A</i> , 2022, 126, 3291-3300.	2.5	2
60	Synchrotron X-ray-induced Synthesis of Copper Hydroxide Nitrate Nanoplates on Cu Thin Films in an Ambient Atmosphere. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23342-23347.	8.0	1
61	Photoinduced Charge Transport in Conductive Metal Organic Frameworks. , 2021, , .		0
62	Synchrotron X-ray-Driven Nitrogen Reduction on an AgCu Thin Film. <i>Small</i> , 0, , 2202720.	10.0	0