Ke Hu

List of Publications by Year
in descending order

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38 papers	1,211 citations	394421 19 h-index	395702 33 g-index
38 all docs	38 docs citations	38 times ranked	1484 citing authors

#	Article	IF	Citations
1	FeOOH photo-deposited perylene linear polymer with accelerated charge separation for photocatalytic overall water splitting. Science China Chemistry, 2022, 65, 170-181.	8.2	16
2	Photoinduced Hole Hopping across CdS Quantum Dot Surfaces for Photoelectrochemical Water Oxidation. ACS Applied Energy Materials, 2022, 5, 1244-1251.	5.1	7
3	Unassisted Uranyl Photoreduction and Separation in a Donorâ€“Acceptor Covalent Organic Framework. Chemistry of Materials, 2022, 34, 2771-2778.	6.7	49
4	Visible Light Generation of a Microsecond Long-Lived Potent Reducing Agent. Journal of the American Chemical Society, 2022, 144, 7043-7047.	13.7	12
5	Pure organic quinacridone dyes as dual sensitizers in tandem photoelectrochemical cells for unassisted total water splitting. Chemical Communications, 2021, 57, 5634-5637.	4.1	7
6	Gold Nanoclusters Perform Enzyme-like Photocatalysis for Prodrug Activation. ACS Applied Nano Materials, 2021, 4, 990-994.	5.0	7
7	Covalent Organic Frameworks Enabling Site Isolation of Viologenâ€Derived Electronâ€Transfer Mediators for Stable Photocatalytic Hydrogen Evolution. Angewandte Chemie - International Edition, 2021, 60, 9642-9649.	13.8	161
8	Enhanced Peroxidaseâ€mimicking Activity of Plasmonic Goldâ€modified Mn₃O₄ Nanocomposites through Photoexcited Hot Electron Transfer. Chemistry - an Asian Journal, 2021, 16, 1603-1607.	3.3	10
9	Boosting the Conductivity of the NiO_x Layer through Cerium Doping for Efficient Planar Inverted Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 9038-9045.	5.1	4
10	Photocatalytic Nitroaromatic Prodrug Activation by Functionalized Gold Nanoclusters. ACS Applied Nano Materials, 2021, 4, 13413-13424.	5.0	6
11	Efficient inverted perovskite solar cells with CuSeCN as the hole transport material. Journal of Power Sources, 2020, 472, 228505.	7.8	17
12	Perspectives on Dye Sensitization of Nanocrystalline Mesoporous Thin Films. Journal of the American Chemical Society, 2020, 142, 16099-16116.	13.7	21
13	Development of Polyene-Bridged Hybrid Rhodamine Fluorophores for High-Resolution NIR-II Imaging. , 2019, 1, 418-424.		50
14	A High-Valent Metal-Oxo Species Produced by Photoinduced One-Electron, Two-Proton Transfer Reactivity. Inorganic Chemistry, 2018, 57, 486-494.	4.0	28
15	Synthesis and Photophysical Properties of a Covalently Linked Porphyrin Chromophoreâ€“Ru(II) Water Oxidation Catalyst Assembly on SnO₂ Electrodes. Journal of Physical Chemistry C, 2018, 122, 13455-13461.	3.1	11
16	Easy-to-Use Colorimetric Cyanine Probe for the Detection of Cu²⁺ in Wilsonâ€™s Disease. ACS Applied Materials & Interfaces, 2018, 10, 20377-20386.	8.0	50
17	Time programmable hydrogels: regulating the onset time of network dissociation by a reaction relay. Chemical Communications, 2018, 54, 5899-5902.	4.1	14
18	Kinetics teach that electronic coupling lowers the free-energy change that accompanies electron transfer. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7248-7253.	7.1	28

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19	Stabilized photoanodes for water oxidation by integration of organic dyes, water oxidation catalysts, and electron-transfer mediators. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8523-8528.	7.1	37
20	Optical Intramolecular Electron Transfer in Opposite Directions through the Same Bridge That Follows Different Pathways. Journal of the American Chemical Society, 2018, 140, 7176-7186.	13.7	27
21	Light Excitation of a Bismuth Iodide Complex Initiates Iâ€"I Bond Formation Reactions of Relevance to Solar Energy Conversion. Journal of the American Chemical Society, 2017, 139, 8066-8069.	13.7	18
22	Evidence for Interfacial Halogen Bonding. Angewandte Chemie, 2016, 128, 6060-6064.	2.0	11
23	Evidence for Interfacial Halogen Bonding. Angewandte Chemie - International Edition, 2016, 55, 5956-5960.	13.8	40
24	A Distance Dependence to Lateral Self-Exchange across Nanocrystalline TiO₂. A Comparative Study of Three Homologous Ru^{III/II} Polypyridyl Compounds. Journal of Physical Chemistry C, 2016, 120, 14226-14235.	3.1	28
25	Halogen Bonding Promotes Higher Dye-Sensitized Solar Cell Photovoltages. Journal of the American Chemical Society, 2016, 138, 10406-10409.	13.7	65
26	Kinetic pathway for interfacial electron transfer from a semiconductor to a molecule. Nature Chemistry, 2016, 8, 853-859.	13.6	96
27	Thermally-activated recombination in one component of (CH₃NH₃)PbI₃/TiO₂observed by photocurrent spectroscopy. Chemical Communications, 2015, 51, 7309-7312.	4.1	5
28	Lateral Intermolecular Self-Exchange Reactions for Hole and Energy Transport on Mesoporous Metal Oxide Thin Films. Langmuir, 2015, 31, 11164-11178.	3.5	35
29	Trisâ€Heteroleptic Rutheniumâ€"Dipyrrinate Chromophores in a Dyeâ€Sensitized Solar Cell. Chemistry - A European Journal, 2015, 21, 2173-2181.	3.3	23
30	Direct Spectroscopic Evidence for Constituent Heteroatoms Enhancing Charge Recombination at a TiO₂â^'Ruthenium Dye Interface. Journal of Physical Chemistry C, 2014, 118, 17079-17089.	3.1	20
31	Intramolecular and Lateral Intermolecular Hole Transfer at the Sensitized TiO₂ Interface. Journal of the American Chemical Society, 2014, 136, 1034-1046.	13.7	54
32	Donorâ€"Ï€â€"acceptor organic hybrid TiO2 interfaces for solar energy conversion. Thin Solid Films, 2014, 560, 49-54.	1.8	7
33	Panchromatic Light Harvesting and Hot Electron Injection by Ru(II) Dipyrrinates on a TiO₂ Surface. Journal of Physical Chemistry C, 2013, 117, 17399-17411.	3.1	29
34	Atomic Level Resolution of Dye Regeneration in the Dye-Sensitized Solar Cell. Journal of the American Chemical Society, 2013, 135, 1961-1971.	13.7	133
35	Intramolecular Hole Transfer at Sensitized TiO₂ Interfaces. Journal of the American Chemical Society, 2012, 134, 8352-8355.	13.7	40
36	Electrochemical Properties of MnF₂ Films Fabricated by Pulsed Laser Deposition. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2010, 25, 145-150.	1.3	9

#	Article	IF	Citations
37	InP as new anode material for lithium ion batteries. Electrochemistry Communications, 2009, 11, 1045-1047.	4.7	27
38	Gold nanoclusters: Photophysical properties and photocatalytic applications. Frontiers in Chemistry, 0, 10, .	3.6	9