

# 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	Covalent Organic Frameworks Enabling Site Isolation of Viologen-Derived Electron-Transfer Mediators for Stable Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9642-9649.	13.8	161
2	Atomic Level Resolution of Dye Regeneration in the Dye-Sensitized Solar Cell. <i>Journal of the American Chemical Society</i> , 2013, 135, 1961-1971.	13.7	133
3	Kinetic pathway for interfacial electron transfer from a semiconductor to a molecule. <i>Nature Chemistry</i> , 2016, 8, 853-859.	13.6	96
4	Halogen Bonding Promotes Higher Dye-Sensitized Solar Cell Photovoltages. <i>Journal of the American Chemical Society</i> , 2016, 138, 10406-10409.	13.7	65
5	Intramolecular and Lateral Intermolecular Hole Transfer at the Sensitized TiO <sub>2</sub> Interface. <i>Journal of the American Chemical Society</i> , 2014, 136, 1034-1046.	13.7	54
6	Easy-to-Use Colorimetric Cyanine Probe for the Detection of Cu <sup>2+</sup> in Wilson's Disease. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 20377-20386.	8.0	50
7	Development of Polyene-Bridged Hybrid Rhodamine Fluorophores for High-Resolution NIR-II Imaging. , 2019, 1, 418-424.		50
8	Unassisted Uranyl Photoreduction and Separation in a Donor-Acceptor Covalent Organic Framework. <i>Chemistry of Materials</i> , 2022, 34, 2771-2778.	6.7	49
9	Intramolecular Hole Transfer at Sensitized TiO <sub>2</sub> Interfaces. <i>Journal of the American Chemical Society</i> , 2012, 134, 8352-8355.	13.7	40
10	Evidence for Interfacial Halogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5956-5960.	13.8	40
11	Stabilized photoanodes for water oxidation by integration of organic dyes, water oxidation catalysts, and electron-transfer mediators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8523-8528.	7.1	37
12	Lateral Intermolecular Self-Exchange Reactions for Hole and Energy Transport on Mesoporous Metal Oxide Thin Films. <i>Langmuir</i> , 2015, 31, 11164-11178.	3.5	35
13	Panchromatic Light Harvesting and Hot Electron Injection by Ru(II) Dipyrrinates on a TiO <sub>2</sub> Surface. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17399-17411.	3.1	29
14	A Distance Dependence to Lateral Self-Exchange across Nanocrystalline TiO <sub>2</sub> . A Comparative Study of Three Homologous Ru <sup>III/II</sup> Polypyridyl Compounds. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14226-14235.	3.1	28
15	A High-Valent Metal-Oxo Species Produced by Photoinduced One-Electron, Two-Proton Transfer Reactivity. <i>Inorganic Chemistry</i> , 2018, 57, 486-494.	4.0	28
16	Kinetics teach that electronic coupling lowers the free-energy change that accompanies electron transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7248-7253.	7.1	28
17	InP as new anode material for lithium ion batteries. <i>Electrochemistry Communications</i> , 2009, 11, 1045-1047.	4.7	27
18	Optical Intramolecular Electron Transfer in Opposite Directions through the Same Bridge That Follows Different Pathways. <i>Journal of the American Chemical Society</i> , 2018, 140, 7176-7186.	13.7	27

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19	Trisâ€Heteroleptic Rutheniumâ€Dipyrrinate Chromophores in a Dyeâ€Sensitized Solar Cell. Chemistry - A European Journal, 2015, 21, 2173-2181.	3.3	23
20	Perspectives on Dye Sensitization of Nanocrystalline Mesoporous Thin Films. Journal of the American Chemical Society, 2020, 142, 16099-16116.	13.7	21
21	Direct Spectroscopic Evidence for Constituent Heteroatoms Enhancing Charge Recombination at a TiO <sub>2</sub> â€Ruthenium Dye Interface. Journal of Physical Chemistry C, 2014, 118, 17079-17089.	3.1	20
22	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
23	Efficient inverted perovskite solar cells with CuSeCN as the hole transport material. Journal of Power Sources, 2020, 472, 228505.	7.8	17
24	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
25	Time programmable hydrogels: regulating the onset time of network dissociation by a reaction relay. Chemical Communications, 2018, 54, 5899-5902.	4.1	14
26	Visible Light Generation of a Microsecond Long-Lived Potent Reducing Agent. Journal of the American Chemical Society, 2022, 144, 7043-7047.	13.7	12
27	Evidence for Interfacial Halogen Bonding. Angewandte Chemie, 2016, 128, 6060-6064.	2.0	11
28	Synthesis and Photophysical Properties of a Covalently Linked Porphyrin Chromophoreâ€Ru(II) Water Oxidation Catalyst Assembly on SnO <sub>2</sub> Electrodes. Journal of Physical Chemistry C, 2018, 122, 13455-13461.	3.1	11
29	Enhanced Peroxidaseâ€mimicking Activity of Plasmonic Goldâ€modified Mn <sub>3</sub> O <sub>4</sub> Nanocomposites through Photoexcited Hot Electron Transfer. Chemistry - an Asian Journal, 2021, 16, 1603-1607.	3.3	10
30	Electrochemical Properties of MnF <sub>2</sub> Films Fabricated by Pulsed Laser Deposition. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2010, 25, 145-150.	1.3	9
31	Gold nanoclusters: Photophysical properties and photocatalytic applications. Frontiers in Chemistry, 0, 10, .	3.6	9
32	Donorâ€acceptor organic hybrid TiO <sub>2</sub> interfaces for solar energy conversion. Thin Solid Films, 2014, 560, 49-54.	1.8	7
33	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
34	Gold Nanoclusters Perform Enzyme-like Photocatalysis for Prodrug Activation. ACS Applied Nano Materials, 2021, 4, 990-994.	5.0	7
35	Photoinduced Hole Hopping across CdS Quantum Dot Surfaces for Photoelectrochemical Water Oxidation. ACS Applied Energy Materials, 2022, 5, 1244-1251.	5.1	7
36	Photocatalytic Nitroaromatic Prodrug Activation by Functionalized Gold Nanoclusters. ACS Applied Nano Materials, 2021, 4, 13413-13424.	5.0	6

#	ARTICLE	IF	CITATIONS
37	Thermally-activated recombination in one component of (CH <sub>3</sub> NH <sub>3</sub> )PbI <sub>3</sub> /TiO <sub>2</sub> observed by photocurrent spectroscopy. Chemical Communications, 2015, 51, 7309-7312.	4.1	5
38	Boosting the Conductivity of the NiO <sub>x</sub> Layer through Cerium Doping for Efficient Planar Inverted Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 9038-9045.	5.1	4