

# Jianfei Huang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30  
papers

1,655  
citations

20  
h-index

31  
g-index

31  
ext. papers

1,990  
ext. citations

11.2  
avg, IF

4.8  
L-index

#	Paper	IF	Citations
30	Stable Bismuth-Doped Lead Halide Perovskite Core-Shell Nanocrystals by Surface Segregation Effect. <i>Small</i> , <b>2021</b> , e2104399	11	2
29	Insights into Bulk-Heterojunction Organic Solar Cells Processed from Green Solvent. <i>Solar Rrl</i> , <b>2021</b> , 5, 2100213	7.1	11
28	Understanding and Countering Illumination-Sensitive Dark Current: Toward Organic Photodetectors with Reliable High Detectivity. <i>ACS Nano</i> , <b>2021</b> , 15, 1753-1763	16.7	16
27	Synthesis of monodisperse water-stable surface Pb-rich CsPbCl nanocrystals for efficient photocatalytic CO reduction. <i>Nanoscale</i> , <b>2020</b> , 12, 11842-11846	7.7	18
26	Bandgap Tailored Nonfullerene Acceptors for Low-Energy-Loss Near-Infrared Organic Photovoltaics <b>2020</b> , 2, 395-402		23
25	Organic Electrochemical Transistors Based on the Conjugated Polyelectrolyte PCPDTBT-SO K (CPE-K). <i>Advanced Materials</i> , <b>2020</b> , 32, e1908120	24	27
24	A High-Performance Solution-Processed Organic Photodetector for Near-Infrared Sensing. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906027	24	138
23	Large-gain low-voltage and wideband organic photodetectors via unbalanced charge transport. <i>Materials Horizons</i> , <b>2020</b> , 7, 3234-3241	14.4	17
22	Synthesis of CsPbBr <sub>3</sub> perovskite nanocrystals with the sole ligand of protonated (3-aminopropyl)triethoxysilane. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 7201-7206	7.1	18
21	Side-Chain Engineering of Nonfullerene Acceptors for Near-Infrared Organic Photodetectors and Photovoltaics. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1401-1409	20.1	106
20	High-k Fluoropolymer Gate Dielectric in Electrically Stable Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15821-15828	9.5	19
19	CoP nanoparticles anchored on N,P-dual-doped graphene-like carbon as a catalyst for water splitting in non-acidic media. <i>Nanoscale</i> , <b>2018</b> , 10, 2603-2612	7.7	78
18	Porous CoS nanosheets coated by N and S doped carbon shell on graphene foams for free-standing and flexible lithium ion battery anodes: Influence of void spaces, shell and porous nanosheet. <i>Electrochimica Acta</i> , <b>2018</b> , 271, 242-251	6.7	38
17	Single Crystal Microwires of p-DTS(FBTTh <sub>2</sub> ) <sub>2</sub> and Their Use in the Fabrication of Field-Effect Transistors and Photodetectors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1702073	15.6	16
16	Solution-Processed Ion-Free Organic Ratchets with Asymmetric Contacts. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804794	24	8
15	Multimetallic NiMo/Cu nanowires as nonprecious and efficient full water splitting catalyst. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 4207-4214	13	60
14	Perovskite quantum dots encapsulated in electrospun fiber membranes as multifunctional supersensitive sensors for biomolecules, metal ions and pH. <i>Nanoscale Horizons</i> , <b>2017</b> , 2, 225-232	10.8	57

13	Nitrogen-doped Fe <sub>3</sub> C@C particles as an efficient heterogeneous photo-assisted Fenton catalyst. <i>RSC Advances</i> , <b>2017</b> , 7, 15168-15175	3.7	18
12	In-situ SERS monitoring of reaction catalyzed by multifunctional Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> @Ag-Au microspheres. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 205, 11-18	21.8	48
11	Atomically dispersed Au catalysts supported on CeO foam: controllable synthesis and CO oxidation reaction mechanism. <i>Nanoscale</i> , <b>2017</b> , 9, 16817-16825	7.7	25
10	CsPbBr Perovskite Quantum Dots-Based Monolithic Electrospun Fiber Membrane as an Ultrastable and Ultrasensitive Fluorescent Sensor in Aqueous Medium. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 4253-4258	6.4	102
9	Iron oxide containing graphene/carbon nanotube based carbon aerogel as an efficient E-Fenton cathode for the degradation of methyl blue. <i>Electrochimica Acta</i> , <b>2016</b> , 200, 75-83	6.7	62
8	Three-dimensionally grown thorn-like Cu nanowire arrays by fully electrochemical nanoengineering for highly enhanced hydrazine oxidation. <i>Nanoscale</i> , <b>2016</b> , 8, 5810-4	7.7	43
7	Sculpturing metal foams toward bifunctional 3D copper oxide nanowire arrays for pseudo-capacitance and enzyme-free hydrogen peroxide detection. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8734-8741	13	38
6	Flexible 3D porous CuO nanowire arrays for enzymeless glucose sensing: in situ engineered versus ex situ piled. <i>Nanoscale</i> , <b>2015</b> , 7, 559-69	7.7	106
5	Au decorated Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> magnetic composites with visible light-assisted enhanced catalytic reduction of 4-nitrophenol. <i>RSC Advances</i> , <b>2015</b> , 5, 50454-50461	3.7	36
4	Rapid degradation of methylene blue in a novel heterogeneous Fe <sub>3</sub> O <sub>4</sub> @rGO@TiO <sub>2</sub> -catalyzed photo-Fenton system. <i>Scientific Reports</i> , <b>2015</b> , 5, 10632	4.9	162
3	Hollow mesoporous NiCo <sub>2</sub> O <sub>4</sub> nanocages as efficient electrocatalysts for oxygen evolution reaction. <i>Dalton Transactions</i> , <b>2015</b> , 44, 4148-54	4.3	120
2	Dispersed CuO nanoparticles on a silicon nanowire for improved performance of nonenzymatic H <sub>2</sub> O <sub>2</sub> detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 7055-62	9.5	104
1	Highly efficient reusable catalyst based on silicon nanowire arrays decorated with copper nanoparticles. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 9040	13	139