

Jianfei Huang

List of Publications by Citations

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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	Rapid degradation of methylene blue in a novel heterogeneous Fe ₃ O ₄ @rGO@TiO ₂ -catalyzed photo-Fenton system. <i>Scientific Reports</i> , 2015 , 5, 10632	4.9	162
29	Highly efficient reusable catalyst based on silicon nanowire arrays decorated with copper nanoparticles. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9040	13	139
28	A High-Performance Solution-Processed Organic Photodetector for Near-Infrared Sensing. <i>Advanced Materials</i> , 2020 , 32, e1906027	24	138
27	Hollow mesoporous NiCo ₂ O ₄ nanocages as efficient electrocatalysts for oxygen evolution reaction. <i>Dalton Transactions</i> , 2015 , 44, 4148-54	4.3	120
26	Side-Chain Engineering of Nonfullerene Acceptors for Near-Infrared Organic Photodetectors and Photovoltaics. <i>ACS Energy Letters</i> , 2019 , 4, 1401-1409	20.1	106
25	Flexible 3D porous CuO nanowire arrays for enzymeless glucose sensing: in situ engineered versus ex situ piled. <i>Nanoscale</i> , 2015 , 7, 559-69	7.7	106
24	Dispersed CuO nanoparticles on a silicon nanowire for improved performance of nonenzymatic H ₂ O ₂ detection. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7055-62	9.5	104
23	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> , 2016 , 7, 4253-4258	6.4	102
22	CoP nanoparticles anchored on N,P-dual-doped graphene-like carbon as a catalyst for water splitting in non-acidic media. <i>Nanoscale</i> , 2018 , 10, 2603-2612	7.7	78
21	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> , 2016 , 200, 75-83	6.7	62
20	Multimetallic NiMo/Cu nanowires as nonprecious and efficient full water splitting catalyst. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4207-4214	13	60
19	Perovskite quantum dots encapsulated in electrospun fiber membranes as multifunctional supersensitive sensors for biomolecules, metal ions and pH. <i>Nanoscale Horizons</i> , 2017 , 2, 225-232	10.8	57
18	In-situ SERS monitoring of reaction catalyzed by multifunctional Fe ₃ O ₄ @TiO ₂ @Ag-Au microspheres. <i>Applied Catalysis B: Environmental</i> , 2017 , 205, 11-18	21.8	48
17	Three-dimensionally grown thorn-like Cu nanowire arrays by fully electrochemical nanoengineering for highly enhanced hydrazine oxidation. <i>Nanoscale</i> , 2016 , 8, 5810-4	7.7	43
16	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> , 2015 , 3, 8734-8741	13	38
15	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> , 2018 , 271, 242-251	6.7	38
14	Au decorated Fe ₃ O ₄ @TiO ₂ magnetic composites with visible light-assisted enhanced catalytic reduction of 4-nitrophenol. <i>RSC Advances</i> , 2015 , 5, 50454-50461	3.7	36

13	Organic Electrochemical Transistors Based on the Conjugated Polyelectrolyte PCPDTBT-SO K (CPE-K). <i>Advanced Materials</i> , 2020 , 32, e1908120	24	27
12	Atomically dispersed Au catalysts supported on CeO foam: controllable synthesis and CO oxidation reaction mechanism. <i>Nanoscale</i> , 2017 , 9, 16817-16825	7.7	25
11	Bandgap Tailored Nonfullerene Acceptors for Low-Energy-Loss Near-Infrared Organic Photovoltaics 2020 , 2, 395-402		23
10	High-k Fluoropolymer Gate Dielectric in Electrically Stable Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15821-15828	9.5	19
9	Nitrogen-doped Fe ₃ C@C particles as an efficient heterogeneous photo-assisted Fenton catalyst. <i>RSC Advances</i> , 2017 , 7, 15168-15175	3.7	18
8	Synthesis of CsPbBr ₃ perovskite nanocrystals with the sole ligand of protonated (3-aminopropyl)triethoxysilane. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 7201-7206	7.1	18
7	Synthesis of monodisperse water-stable surface Pb-rich CsPbCl nanocrystals for efficient photocatalytic CO reduction. <i>Nanoscale</i> , 2020 , 12, 11842-11846	7.7	18
6	Large-gain low-voltage and wideband organic photodetectors via unbalanced charge transport. <i>Materials Horizons</i> , 2020 , 7, 3234-3241	14.4	17
5	Single Crystal Microwires of p-DTS(FBTTh ₂) ₂ and Their Use in the Fabrication of Field-Effect Transistors and Photodetectors. <i>Advanced Functional Materials</i> , 2018 , 28, 1702073	15.6	16
4	Understanding and Countering Illumination-Sensitive Dark Current: Toward Organic Photodetectors with Reliable High Detectivity. <i>ACS Nano</i> , 2021 , 15, 1753-1763	16.7	16
3	Insights into Bulk-Heterojunction Organic Solar Cells Processed from Green Solvent. <i>Solar Rrl</i> , 2021 , 5, 2100213	7.1	11
2	Solution-Processed Ion-Free Organic Ratchets with Asymmetric Contacts. <i>Advanced Materials</i> , 2018 , 30, e1804794	24	8
1	Stable Bismuth-Doped Lead Halide Perovskite Core-Shell Nanocrystals by Surface Segregation Effect. <i>Small</i> , 2021 , e2104399	11	2