

Jingjing Duan

List of Publications by Year in Descending Order

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Version: 2024-04-09

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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.

75 papers	8,035 citations	41 h-index	80 g-index
80 ext. papers	9,253 ext. citations	9.8 avg, IF	6.57 L-index

#	Paper	IF	Citations
75	Stabilizing Cu Ions by Solid Solutions to Promote CO Electroreduction to Methane.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	31
74	Battery-Driven N Electrolysis Enabled by High-Entropy Catalysts: From Theoretical Prediction to Prototype Model.. <i>Small</i> , 2022 , e2106358	11	0
73	Plasma-regulated two-dimensional high entropy oxide arrays for synergistic hydrogen evolution: From theoretical prediction to electrocatalytic applications. <i>Journal of Power Sources</i> , 2022 , 520, 230873	8.9	2
72	SLC25A38 as a novel biomarker for metastasis and clinical outcome in uveal melanoma.. <i>Cell Death and Disease</i> , 2022 , 13, 330	9.8	0
71	Metallic two-dimensional metal-organic framework arrays for ultrafast water splitting. <i>Journal of Power Sources</i> , 2021 , 494, 229733	8.9	10
70	iRGD-modified exosomes effectively deliver CPT1A siRNA to colon cancer cells, reversing oxaliplatin resistance by regulating fatty acid oxidation. <i>Molecular Oncology</i> , 2021 , 15, 3430-3446	7.9	6
69	A shape-memory V3O7H2O electrocatalyst for foldable N2 fixation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 1603-1609	13	5
68	Rigid two-dimensional indium metal-organic frameworks boosting nitrogen electroreduction at all pH values. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20040-20047	13	1
67	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , 2021 , 1, 9-20		13
66	Phosphorus Vacancies that Boost Electrocatalytic Hydrogen Evolution by Two Orders of Magnitude. <i>Angewandte Chemie</i> , 2020 , 132, 8258-8263	3.6	13
65	Iron-Cluster-Directed Synthesis of 2D/2D Fe-N-C/MXene Superlattice-like Heterostructure with Enhanced Oxygen Reduction Electrocatalysis. <i>ACS Nano</i> , 2020 , 14, 2436-2444	16.7	65
64	Phosphorus Vacancies that Boost Electrocatalytic Hydrogen Evolution by Two Orders of Magnitude. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8181-8186	16.4	99
63	A zero-dimensional nickel, iron metal-organic framework (MOF) for synergistic N2 electrofixation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18810-18815	13	16
62	Two-Dimensional Nanomesh Arrays as Bifunctional Catalysts for N2 Electrolysis. <i>ACS Catalysis</i> , 2020 , 10, 11371-11379	13.1	23
61	Cryo-EM structure of TRPC5 at 2.8-Å resolution reveals unique and conserved structural elements essential for channel function. <i>Science Advances</i> , 2019 , 5, eaaw7935	14.3	42
60	Analysis of 1-Deoxysphingoid Bases and Their -Acyl Metabolites and Exploration of Their Occurrence in Some Food Materials. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 12953-12961	5.7	6
59	Developmentally regulated KCC2 phosphorylation is essential for dynamic GABA-mediated inhibition and survival. <i>Science Signaling</i> , 2019 , 12,	8.8	31

58	Impaired regulation of KCC2 phosphorylation leads to neuronal network dysfunction and neurodevelopmental pathology. <i>Science Signaling</i> , 2019 , 12,	8.8	27
57	(001) Facet-Dominated Hierarchically Hollow NaTiO as a High-Rate Anode Material for Sodium-Ion Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42197-42205	9.5	17
56	Structure of full-length human TRPM4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 2377-2382	11.5	56
55	Structure of the mouse TRPC4 ion channel. <i>Nature Communications</i> , 2018 , 9, 3102	17.4	76
54	Structure of the mammalian TRPM7, a magnesium channel required during embryonic development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E8201-E8210	11.5	63
53	Strained Nickel Phosphide Nanosheet Array. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30029-30034	9.4	13
52	Metal-Cluster-Directed Surface Charge Manipulation of Two-Dimensional Nanomaterials for Efficient Urea Electrocatalytic Conversion. <i>ACS Applied Nano Materials</i> , 2018 , 1, 6649-6655	5.6	10
51	Closely Arranged 3D ^{0D} Graphene-Nickel Sulfide Superstructures for Bifunctional Hydrogen Electrocatalysis. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6368-6373	6.1	5
50	Mxene-Directed Dual Amphiphilicity at Liquid, Solid, and Gas Interfaces. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3850-3854	4.5	2
49	Ni ₂ P@carbon core-shell nanorod array derived from ZIF-67-Ni: Effect of phosphorization temperature on morphology, structure and hydrogen evolution reaction performance. <i>Applied Surface Science</i> , 2018 , 457, 933-941	6.7	29
48	Polycystin-2 is an essential ion channel subunit in the primary cilium of the renal collecting duct epithelium. <i>ELife</i> , 2018 , 7,	8.9	62
47	Engineering the nanostructure of molybdenum nitride nanodot embedded N-doped porous hollow carbon nanochains for rapid all pH hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14734-14741	14.41	41
46	Ultrathin metal-organic framework array for efficient electrocatalytic water splitting. <i>Nature Communications</i> , 2017 , 8, 15341	17.4	794
45	miR-455 inhibits cell proliferation and migration via negative regulation of EGFR in human gastric cancer. <i>Oncology Reports</i> , 2017 , 38, 175-182	3.5	22
44	Anion and Cation Modulation in Metal Compounds for Bifunctional Overall Water Splitting. <i>ACS Nano</i> , 2016 , 10, 8738-45	16.7	310
43	Integration of conductive reduced graphene oxide into microstructured optical fibres for optoelectronics applications. <i>Scientific Reports</i> , 2016 , 6, 21682	4.9	8
42	Size Fractionation of Two-Dimensional Sub-Nanometer Thin Manganese Dioxide Crystals towards Superior Urea Electrocatalytic Conversion. <i>Angewandte Chemie</i> , 2016 , 128, 3868-3872	3.6	42
41	Size Fractionation of Two-Dimensional Sub-Nanometer Thin Manganese Dioxide Crystals towards Superior Urea Electrocatalytic Conversion. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3804-8	16.4	225

40	Active Sites Implanted Carbon Cages in Core-Shell Architecture: Highly Active and Durable Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Nano</i> , 2016 , 10, 684-94	16.7	371
39	Prognostic nomogram for previously untreated patients with esophageal squamous cell carcinoma after esophagectomy followed by adjuvant chemotherapy. <i>Japanese Journal of Clinical Oncology</i> , 2016 , 46, 336-43	2.8	16
38	Integrated analysis of the miRNA, gene and pathway regulatory network in gastric cancer. <i>Oncology Reports</i> , 2016 , 35, 1135-46	3.5	14
37	The microRNA-124-iGluR2/3 pathway regulates glucagon release from alpha cells. <i>Oncotarget</i> , 2016 , 7, 24734-43	3.3	10
36	MiR-17-5p regulates cell proliferation and migration by targeting transforming growth factor- β receptor 2 in gastric cancer. <i>Oncotarget</i> , 2016 , 7, 33286-96	3.3	40
35	Onco-miR-130 promotes cell proliferation and migration by targeting TGF β 2 in gastric cancer. <i>Oncotarget</i> , 2016 , 7, 44522-44533	3.3	47
34	Hydrothermally Driven Transformation of Oxygen Functional Groups at Multiwall Carbon Nanotubes for Improved Electrocatalytic Applications. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35513-35522	9.5	44
33	Cell-derived microvesicles mediate the delivery of miR-29a/c to suppress angiogenesis in gastric carcinoma. <i>Cancer Letters</i> , 2016 , 375, 331-339	9.9	78
32	The KCC2 Cotransporter and Human Epilepsy: Getting Excited About Inhibition. <i>Neuroscientist</i> , 2016 , 22, 555-562	7.6	40
31	Onco-miR-24 regulates cell growth and apoptosis by targeting BCL2L1 in gastric cancer. <i>Protein and Cell</i> , 2016 , 7, 141-51	7.2	52
30	Direct targeting of HGF by miR-16 regulates proliferation and migration in gastric cancer. <i>Tumor Biology</i> , 2016 , 37, 15175-15183	2.9	14
29	Heteroatom-Doped Graphene-Based Materials for Energy-Relevant Electrocatalytic Processes. <i>ACS Catalysis</i> , 2015 , 5, 5207-5234	13.1	675
28	WNK1-regulated inhibitory phosphorylation of the KCC2 cotransporter maintains the depolarizing action of GABA in immature neurons. <i>Science Signaling</i> , 2015 , 8, ra65	8.8	72
27	1-Deoxysphingolipids Encountered Exogenously and Made de Novo: Dangerous Mysteries inside an Enigma. <i>Journal of Biological Chemistry</i> , 2015 , 290, 15380-15389	5.4	52
26	Biomarkers of NAFLD progression: a lipidomics approach to an epidemic. <i>Journal of Lipid Research</i> , 2015 , 56, 722-736	6.3	193
25	Ionic liquid-assisted synthesis of N/S-double doped graphene microwires for oxygen evolution and Zn/Bi batteries. <i>Energy Storage Materials</i> , 2015 , 1, 17-24	19.4	59
24	Molybdenum sulfide clusters-nitrogen-doped graphene hybrid hydrogel film as an efficient three-dimensional hydrogen evolution electrocatalyst. <i>Nano Energy</i> , 2015 , 11, 11-18	17.1	209
23	3D WS ₂ Nanolayers@Heteroatom-Doped Graphene Films as Hydrogen Evolution Catalyst Electrodes. <i>Advanced Materials</i> , 2015 , 27, 4234-41	24	350

22	Three-Dimensional Smart Catalyst Electrode for Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2015 , 5, 1500936	21.8	155
21	The miR-24-Bim pathway promotes tumor growth and angiogenesis in pancreatic carcinoma. <i>Oncotarget</i> , 2015 , 6, 43831-42	3.3	35
20	Porous C3N4 nanolayers@N-graphene films as catalyst electrodes for highly efficient hydrogen evolution. <i>ACS Nano</i> , 2015 , 9, 931-40	16.7	569
19	Paper-Based N-Doped Carbon Films for Enhanced Oxygen Evolution Electrocatalysis. <i>Advanced Science</i> , 2015 , 2, 1400015	13.6	56
18	Neuronal accumulation of glucosylceramide in a mouse model of neuronopathic Gaucher disease leads to neurodegeneration. <i>Human Molecular Genetics</i> , 2014 , 23, 843-54	5.6	92
17	Shape Control of Mn3O4 Nanoparticles on Nitrogen-Doped Graphene for Enhanced Oxygen Reduction Activity. <i>Advanced Functional Materials</i> , 2014 , 24, 2072-2078	15.6	261
16	A graphene-MnO2 framework as a new generation of three-dimensional oxygen evolution promoter. <i>Chemical Communications</i> , 2014 , 50, 207-9	5.8	74
15	Biophysical properties of novel 1-deoxy-(dihydro)ceramides occurring in mammalian cells. <i>Biophysical Journal</i> , 2014 , 107, 2850-2859	2.9	33
14	Nitrogen and oxygen dual-doped carbon hydrogel film as a substrate-free electrode for highly efficient oxygen evolution reaction. <i>Advanced Materials</i> , 2014 , 26, 2925-30	24	521
13	Mesoporous hybrid material composed of Mn3O4 nanoparticles on nitrogen-doped graphene for highly efficient oxygen reduction reaction. <i>Chemical Communications</i> , 2013 , 49, 7705-7	5.8	226
12	N-doped graphene film-confined nickel nanoparticles as a highly efficient three-dimensional oxygen evolution electrocatalyst. <i>Energy and Environmental Science</i> , 2013 , 6, 3693	35.4	282
11	Three-dimensional N-doped graphene hydrogel/NiCo double hydroxide electrocatalysts for highly efficient oxygen evolution. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13567-70	16.4	498
10	Nanostructured morphology control for efficient supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2941-2954	13	232
9	Hierarchically porous graphene-based hybrid electrodes with excellent electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9409	13	61
8	Hybrid hydrogels of porous graphene and nickel hydroxide as advanced supercapacitor materials. <i>Chemistry - A European Journal</i> , 2013 , 19, 7118-24	4.8	126
7	Three-Dimensional N-Doped Graphene Hydrogel/NiCo Double Hydroxide Electrocatalysts for Highly Efficient Oxygen Evolution. <i>Angewandte Chemie</i> , 2013 , 125, 13812-13815	3.6	62
6	Dietary sphingolipids improve skin barrier functions via the upregulation of ceramide synthases in the epidermis. <i>Experimental Dermatology</i> , 2012 , 21, 448-52	4	57
5	Effect of dietary porphyran from the red alga, <i>Porphyra yezoensis</i> , on glucose metabolism in diabetic KK-Ay mice. <i>Journal of Nutritional Science and Vitaminology</i> , 2012 , 58, 14-9	1.1	30

4	Oral glucosylceramide reduces 2,4-dinitrofluorobenzene induced inflammatory response in mice by reducing TNF-alpha levels and leukocyte infiltration. <i>Lipids</i> , 2011 , 46, 505-12	1.6	27
3	Intestinal absorption of dietary maize glucosylceramide in lymphatic duct cannulated rats. <i>Journal of Lipid Research</i> , 2010 , 51, 1761-9	6.3	59
2	Analysis of glucosylceramides from various sources by liquid chromatography-ion trap mass spectrometry. <i>Journal of Oleo Science</i> , 2010 , 59, 387-94	1.6	50
1	Biomimetic assembly to superplastic metal-organic framework aerogels for hydrogen evolution from seawater electrolysis. <i>Exploration</i> , 217		20