Jingjing Duan

List of Publications by Citations

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	Ultrathin metal-organic framework array for efficient electrocatalytic water splitting. *Nature Communications*, **2017**, 8, 15341	17.4	794
74	Heteroatom-Doped Graphene-Based Materials for Energy-Relevant Electrocatalytic Processes. *ACS Catalysis*, **2015**, 5, 5207-5234	13.1	675
73	Porous C3N4 nanolayers@N-graphene films as catalyst electrodes for highly efficient hydrogen evolution. *ACS Nano*, **2015**, 9, 931-40	16.7	569
72	Nitrogen and oxygen dual-doped carbon hydrogel film as a substrate-free electrode for highly efficient oxygen evolution reaction. *Advanced Materials*, **2014**, 26, 2925-30	24	521
71	Three-dimensional N-doped graphene hydrogel/NiCo double hydroxide electrocatalysts for highly efficient oxygen evolution. *Angewandte Chemie - International Edition*, **2013**, 52, 13567-70	16.4	498
70	Active Sites Implanted Carbon Cages in Core-Shell Architecture: Highly Active and Durable Electrocatalyst for Hydrogen Evolution Reaction. *ACS Nano*, **2016**, 10, 684-94	16.7	371
69	3D WS2 Nanolayers@Heteroatom-Doped Graphene Films as Hydrogen Evolution Catalyst Electrodes. *Advanced Materials*, **2015**, 27, 4234-41	24	350
68	Anion and Cation Modulation in Metal Compounds for Bifunctional Overall Water Splitting. *ACS Nano*, **2016**, 10, 8738-45	16.7	310
67	N-doped graphene film-confined nickel nanoparticles as a highly efficient three-dimensional oxygen evolution electrocatalyst. *Energy and Environmental Science*, **2013**, 6, 3693	35.4	282
66	Shape Control of Mn3O4 Nanoparticles on Nitrogen-Doped Graphene for Enhanced Oxygen Reduction Activity. *Advanced Functional Materials*, **2014**, 24, 2072-2078	15.6	261
65	Nanostructured morphology control for efficient supercapacitor electrodes. *Journal of Materials Chemistry A*, **2013**, 1, 2941-2954	13	232
64	Mesoporous hybrid material composed of Mn3O4 nanoparticles on nitrogen-doped graphene for highly efficient oxygen reduction reaction. *Chemical Communications*, **2013**, 49, 7705-7	5.8	226
63	Size Fractionation of Two-Dimensional Sub-Nanometer Thin Manganese Dioxide Crystals towards Superior Urea Electrocatalytic Conversion. *Angewandte Chemie - International Edition*, **2016**, 55, 3804-8	16.4	225
62	Molybdenum sulfide clusters-nitrogen-doped graphene hybrid hydrogel film as an efficient three-dimensional hydrogen evolution electrocatalyst. *Nano Energy*, **2015**, 11, 11-18	17.1	209
61	Biomarkers of NAFLD progression: a lipidomics approach to an epidemic. *Journal of Lipid Research*, **2015**, 56, 722-736	6.3	193
60	Three-Dimensional Smart Catalyst Electrode for Oxygen Evolution Reaction. *Advanced Energy Materials*, **2015**, 5, 1500936	21.8	155
59	Hybrid hydrogels of porous graphene and nickel hydroxide as advanced supercapacitor materials. *Chemistry - A European Journal*, **2013**, 19, 7118-24	4.8	126

58	Phosphorus Vacancies that Boost Electrocatalytic Hydrogen Evolution by Two Orders of Magnitude. *Angewandte Chemie - International Edition*, **2020**, 59, 8181-8186	16.4	99
57	Neuronal accumulation of glucosylceramide in a mouse model of neuronopathic Gaucher disease leads to neurodegeneration. *Human Molecular Genetics*, **2014**, 23, 843-54	5.6	92
56	Cell-derived microvesicles mediate the delivery of miR-29a/c to suppress angiogenesis in gastric carcinoma. *Cancer Letters*, **2016**, 375, 331-339	9.9	78
55	Structure of the mouse TRPC4 ion channel. *Nature Communications*, **2018**, 9, 3102	17.4	76
54	A graphene-MnO2 framework as a new generation of three-dimensional oxygen evolution promoter. *Chemical Communications*, **2014**, 50, 207-9	5.8	74
53	WNK1-regulated inhibitory phosphorylation of the KCC2 cotransporter maintains the depolarizing action of GABA in immature neurons. *Science Signaling*, **2015**, 8, ra65	8.8	72
52	Iron-Cluster-Directed Synthesis of 2D/2D Fe-N-C/MXene Superlattice-like Heterostructure with Enhanced Oxygen Reduction Electrocatalysis. *ACS Nano*, **2020**, 14, 2436-2444	16.7	65
51	Structure of the mammalian TRPM7, a magnesium channel required during embryonic development. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E8201-E8210	11.5	63
50	Three-Dimensional N-Doped Graphene Hydrogel/NiCo Double Hydroxide Electrocatalysts for Highly Efficient Oxygen Evolution. *Angewandte Chemie*, **2013**, 125, 13812-13815	3.6	62
49	Polycystin-2 is an essential ion channel subunit in the primary cilium of the renal collecting duct epithelium. *ELife*, **2018**, 7,	8.9	62
48	Hierarchically porous graphene-based hybrid electrodes with excellent electrochemical performance. *Journal of Materials Chemistry A*, **2013**, 1, 9409	13	61
47	Ionic liquid-assisted synthesis of N/S-double doped graphene microwires for oxygen evolution and Zn–air batteries. *Energy Storage Materials*, **2015**, 1, 17-24	19.4	59
46	Intestinal absorption of dietary maize glucosylceramide in lymphatic duct cannulated rats. *Journal of Lipid Research*, **2010**, 51, 1761-9	6.3	59
45	Dietary sphingolipids improve skin barrier functions via the upregulation of ceramide synthases in the epidermis. *Experimental Dermatology*, **2012**, 21, 448-52	4	57
44	Structure of full-length human TRPM4. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 2377-2382	11.5	56
43	Paper-Based N-Doped Carbon Films for Enhanced Oxygen Evolution Electrocatalysis. *Advanced Science*, **2015**, 2, 1400015	13.6	56
42	1-Deoxysphingolipids Encountered Exogenously and Made de Novo: Dangerous Mysteries inside an Enigma. *Journal of Biological Chemistry*, **2015**, 290, 15380-15389	5.4	52
41	Onco-miR-24 regulates cell growth and apoptosis by targeting BCL2L11 in gastric cancer. *Protein and Cell*, **2016**, 7, 141-51	7.2	52

40	Analysis of glucosylceramides from various sources by liquid chromatography-ion trap mass spectrometry. *Journal of Oleo Science*, **2010**, 59, 387-94	1.6	50
39	Onco-miR-130 promotes cell proliferation and migration by targeting TGFR2 in gastric cancer. *Oncotarget*, **2016**, 7, 44522-44533	3.3	47
38	Hydrothermally Driven Transformation of Oxygen Functional Groups at Multiwall Carbon Nanotubes for Improved Electrocatalytic Applications. *ACS Applied Materials & Interfaces*, **2016**, 8, 35513-35522	9.5	44
37	Size Fractionation of Two-Dimensional Sub-Nanometer Thin Manganese Dioxide Crystals towards Superior Urea Electrocatalytic Conversion. *Angewandte Chemie*, **2016**, 128, 3868-3872	3.6	42
36	Cryo-EM structure of TRPC5 at 2.8-resolution reveals unique and conserved structural elements essential for channel function. *Science Advances*, **2019**, 5, eaaw7935	14.3	42
35	Engineering the nanostructure of molybdenum nitride nanodot embedded N-doped porous hollow carbon nanochains for rapid all pH hydrogen evolution. *Journal of Materials Chemistry A*, **2018**, 6, 14734-14741	13	41
34	MiR-17-5p regulates cell proliferation and migration by targeting transforming growth factor- receptor 2 in gastric cancer. *Oncotarget*, **2016**, 7, 33286-96	3.3	40
33	The KCC2 Cotransporter and Human Epilepsy: Getting Excited About Inhibition. *Neuroscientist*, **2016**, 22, 555-562	7.6	40
32	The miR-24-Bim pathway promotes tumor growth and angiogenesis in pancreatic carcinoma. *Oncotarget*, **2015**, 6, 43831-42	3.3	35
31	Biophysical properties of novel 1-deoxy-(dihydro)ceramides occurring in mammalian cells. *Biophysical Journal*, **2014**, 107, 2850-2859	2.9	33
30	Developmentally regulated KCC2 phosphorylation is essential for dynamic GABA-mediated inhibition and survival. *Science Signaling*, **2019**, 12,	8.8	31
29	Stabilizing Cu Ions by Solid Solutions to Promote CO Electroreduction to Methane.. *Journal of the American Chemical Society*, **2022**,	16.4	31
28	Effect of dietary porphyran from the red alga, Porphyra yezoensis, on glucose metabolism in diabetic KK-Ay mice. *Journal of Nutritional Science and Vitaminology*, **2012**, 58, 14-9	1.1	30
27	Ni2P@carbon core-shell nanorod array derived from ZIF-67-Ni: Effect of phosphorization temperature on morphology, structure and hydrogen evolution reaction performance. *Applied Surface Science*, **2018**, 457, 933-941	6.7	29
26	Impaired regulation of KCC2 phosphorylation leads to neuronal network dysfunction and neurodevelopmental pathology. *Science Signaling*, **2019**, 12,	8.8	27
25	Oral glucosylceramide reduces 2,4-dinitrofluorobenzene induced inflammatory response in mice by reducing TNF-alpha levels and leukocyte infiltration. *Lipids*, **2011**, 46, 505-12	1.6	27
24	Two-Dimensional Nanomesh Arrays as Bifunctional Catalysts for N2 Electrolysis. *ACS Catalysis*, **2020**, 10, 11371-11379	13.1	23
23	miR-455 inhibits cell proliferation and migration via negative regulation of EGFR in human gastric cancer. *Oncology Reports*, **2017**, 38, 175-182	3.5	22

22	Biomimetic assembly to superplastic metal–organic framework aerogels for hydrogen evolution from seawater electrolysis. *Exploration*,217		20
21	(001) Facet-Dominated Hierarchically Hollow NaTiO as a High-Rate Anode Material for Sodium-Ion Capacitors. *ACS Applied Materials & Interfaces*, **2019**, 11, 42197-42205	9.5	17
20	Prognostic nomogram for previously untreated patients with esophageal squamous cell carcinoma after esophagectomy followed by adjuvant chemotherapy. *Japanese Journal of Clinical Oncology*, **2016**, 46, 336-43	2.8	16
19	A zero-dimensional nickel, iron–metal–organic framework (MOF) for synergistic N2 electrofixation. *Journal of Materials Chemistry A*, **2020**, 8, 18810-18815	13	16
18	Integrated analysis of the miRNA, gene and pathway regulatory network in gastric cancer. *Oncology Reports*, **2016**, 35, 1135-46	3.5	14
17	Direct targeting of HGF by miR-16 regulates proliferation and migration in gastric cancer. *Tumor Biology*, **2016**, 37, 15175-15183	2.9	14
16	Phosphorus Vacancies that Boost Electrocatalytic Hydrogen Evolution by Two Orders of Magnitude. *Angewandte Chemie*, **2020**, 132, 8258-8263	3.6	13
15	Strained Nickel Phosphide Nanosheet Array. *ACS Applied Materials & Interfaces*, **2018**, 10, 30029-30034	8.9	13
14	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. *Exploration*, **2021**, 1, 9-20		13
13	The microRNA-124-iGluR2/3 pathway regulates glucagon release from alpha cells. *Oncotarget*, **2016**, 7, 24734-43	3.3	10
12	Metallic two-dimensional metal-organic framework arrays for ultrafast water splitting. *Journal of Power Sources*, **2021**, 494, 229733	8.9	10
11	Metal-Cluster-Directed Surface Charge Manipulation of Two-Dimensional Nanomaterials for Efficient Urea Electrocatalytic Conversion. *ACS Applied Nano Materials*, **2018**, 1, 6649-6655	5.6	10
10	Integration of conductive reduced graphene oxide into microstructured optical fibres for optoelectronics applications. *Scientific Reports*, **2016**, 6, 21682	4.9	8
9	Analysis of 1-Deoxysphingoid Bases and Their -Acyl Metabolites and Exploration of Their Occurrence in Some Food Materials. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 12953-12961	5.7	6
8	iRGD-modified exosomes effectively deliver CPT1A siRNA to colon cancer cells, reversing oxaliplatin resistance by regulating fatty acid oxidation. *Molecular Oncology*, **2021**, 15, 3430-3446	7.9	6
7	A shape-memory V3O7–H2O electrocatalyst for foldable N2 fixation. *Journal of Materials Chemistry A*, **2021**, 9, 1603-1609	13	5
6	Closely Arranged 3D–D Graphene–Nickel Sulfide Superstructures for Bifunctional Hydrogen Electrocatalysis. *ACS Applied Energy Materials*, **2018**, 1, 6368-6373	6.1	5
5	Plasma-regulated two-dimensional high entropy oxide arrays for synergistic hydrogen evolution: From theoretical prediction to electrocatalytic applications. *Journal of Power Sources*, **2022**, 520, 230873	8.9	2

4	Mxene-Directed Dual Amphiphilicity at Liquid, Solid, and Gas Interfaces. *Chemistry - an Asian Journal* , **2018**, 13, 3850-3854	4.5	2
3	Rigid two-dimensional indium metal–organic frameworks boosting nitrogen electroreduction at all pH values. *Journal of Materials Chemistry A*, **2021**, 9, 20040-20047	13	1
2	Battery-Driven N Electrolysis Enabled by High-Entropy Catalysts: From Theoretical Prediction to Prototype Model.. *Small*, **2022**, e2106358	11	0
1	SLC25A38 as a novel biomarker for metastasis and clinical outcome in uveal melanoma.. *Cell Death and Disease*, **2022**, 13, 330	9.8	0