

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.

70 papers	10,105 citations	42 h-index	72 g-index
72 ext. papers	11,145 ext. citations	11.3 avg, IF	6.79 L-index

#	Paper	IF	Citations
70	Graphene oxide--MnO ₂ nanocomposites for supercapacitors. <i>ACS Nano</i> , 2010 , 4, 2822-30	16.7	1802
69	Ultrathin metal-organic framework array for efficient electrocatalytic water splitting. <i>Nature Communications</i> , 2017 , 8, 15341	17.4	794
68	Heteroatom-Doped Graphene-Based Materials for Energy-Relevant Electrocatalytic Processes. <i>ACS Catalysis</i> , 2015 , 5, 5207-5234	13.1	675
67	Porous C ₃ N ₄ nanolayers@N-graphene films as catalyst electrodes for highly efficient hydrogen evolution. <i>ACS Nano</i> , 2015 , 9, 931-40	16.7	569
66	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
65	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
64	Hierarchically porous nitrogen-doped graphene-NiCo(2)O(4) hybrid paper as an advanced electrocatalytic water-splitting material. <i>ACS Nano</i> , 2013 , 7, 10190-6	16.7	457
63	3D WS ₂ Nanolayers@Heteroatom-Doped Graphene Films as Hydrogen Evolution Catalyst Electrodes. <i>Advanced Materials</i> , 2015 , 27, 4234-41	24	350
62	Anion and Cation Modulation in Metal Compounds for Bifunctional Overall Water Splitting. <i>ACS Nano</i> , 2016 , 10, 8738-45	16.7	310
61	One-Step Synthesis of Graphene/Cobalt Hydroxide Nanocomposites and Their Electrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 11829-11834	3.8	293
60	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
59	Shape Control of Mn ₃ O ₄ Nanoparticles on Nitrogen-Doped Graphene for Enhanced Oxygen Reduction Activity. <i>Advanced Functional Materials</i> , 2014 , 24, 2072-2078	15.6	261
58	Nanostructured morphology control for efficient supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2941-2954	13	232
57	Mesoporous hybrid material composed of Mn ₃ O ₄ nanoparticles on nitrogen-doped graphene for highly efficient oxygen reduction reaction. <i>Chemical Communications</i> , 2013 , 49, 7705-7	5.8	226
56	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
55	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
54	Shape-Controlled Synthesis of One-Dimensional MnO ₂ via a Facile Quick-Precipitation Procedure and its Electrochemical Properties. <i>Crystal Growth and Design</i> , 2009 , 9, 4356-4361	3.5	157

53	Three-Dimensional Smart Catalyst Electrode for Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2015 , 5, 1500936	21.8	155
52	Decorating graphene oxide with CuO nanoparticles in a water-isopropanol system. <i>Nanoscale</i> , 2010 , 2, 988-94	7.7	153
51	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
50	Hydrothermal preparation of Co ₃ O ₄ @graphene nanocomposite for supercapacitor with enhanced capacitive performance. <i>Materials Letters</i> , 2012 , 82, 61-63	3.3	108
49	From graphene to metal oxide nanolamellas: a phenomenon of morphology transmission. <i>ACS Nano</i> , 2010 , 4, 6212-8	16.7	107
48	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
47	Fabrication of a low defect density graphene-nickel hydroxide nanosheet hybrid with enhanced electrochemical performance. <i>Nano Research</i> , 2012 , 5, 11-19	10	84
46	Three-dimensional MnO ₂ ultrathin nanosheet aerogels for high-performance LiD ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2559-2563	13	79
45	Prussian White Hierarchical Nanotubes with Surface-Controlled Charge Storage for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1806405	15.6	75
44	A graphene-MnO ₂ framework as a new generation of three-dimensional oxygen evolution promoter. <i>Chemical Communications</i> , 2014 , 50, 207-9	5.8	74
43	Processable Surface Modification of Nickel-Heteroatom (N, S) Bridge Sites for Promoted Alkaline Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 461-466	16.4	74
42	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
41	One-step synthesis of low defect density carbon nanotube-doped Ni(OH) ₂ nanosheets with improved electrochemical performances. <i>RSC Advances</i> , 2011 , 1, 484	3.7	64
40	Ordered mesoporous core/shell SnO ₂ /C nanocomposite as high-capacity anode material for lithium-ion batteries. <i>Chemistry - A European Journal</i> , 2013 , 19, 16897-901	4.8	63
39	Graphene-Directed Supramolecular Assembly of Multifunctional Polymer Hydrogel Membranes. <i>Advanced Functional Materials</i> , 2015 , 25, 126-133	15.6	62
38	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
37	Hierarchically porous graphene-based hybrid electrodes with excellent electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9409	13	61
36	Ionic liquid-assisted synthesis of N/S-double doped graphene microwires for oxygen evolution and ZnBir batteries. <i>Energy Storage Materials</i> , 2015 , 1, 17-24	19.4	59

35	Self-assembled hydrothermal synthesis for producing a MnCO ₃ /graphene hydrogel composite and its electrochemical properties. <i>RSC Advances</i> , 2013 , 3, 4400	3.7	58
34	Phosphine vapor-assisted construction of heterostructured Ni ₂ P/NiTe ₂ catalysts for efficient hydrogen evolution. <i>Energy and Environmental Science</i> , 2020 , 13, 1799-1807	35.4	56
33	Paper-Based N-Doped Carbon Films for Enhanced Oxygen Evolution Electrocatalysis. <i>Advanced Science</i> , 2015 , 2, 1400015	13.6	56
32	Three dimensional nitrogen-doped graphene hydrogels with in situ deposited cobalt phosphate nanoclusters for efficient oxygen evolution in a neutral electrolyte. <i>Nanoscale Horizons</i> , 2016 , 1, 41-44	10.8	46
31	Conductive nanocomposite hydrogels with self-healing property. <i>RSC Advances</i> , 2014 , 4, 35149-35155	3.7	45
30	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
29	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
28	Manipulation of Charge Transport by Metallic V O Decorated on Bismuth Vanadate Photoelectrochemical Catalyst. <i>Advanced Materials</i> , 2019 , 31, e1807204	24	38
27	Mechanistic analysis of multiple processes controlling solar-driven HO synthesis using engineered polymeric carbon nitride. <i>Nature Communications</i> , 2021 , 12, 3701	17.4	35
26	Synergistic bimetallic CoFeO clusters supported on graphene for ambient electrocatalytic reduction of nitrogen to ammonia. <i>Chemical Communications</i> , 2019 , 55, 12184-12187	5.8	27
25	Nanostructured amalgams with tuneable silver/mercury bonding sites for selective electroreduction of carbon dioxide into formate and carbon monoxide. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15907-15912	13	22
24	An in situ oxidation route to fabricate graphene nanoplate/metal oxide composites. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 1393-1399	3.3	22
23	Metal-Sulfur Linkages Achieved by Organic Tethering of Ruthenium Nanocrystals for Enhanced Electrochemical Nitrogen Reduction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21465-21469	16.4	22
22	Biomimetic assembly to superplastic metal/organic framework aerogels for hydrogen evolution from seawater electrolysis. <i>Exploration</i> , 217		20
21	Facile fabrication of nanoparticles confined in graphene films and their electrochemical properties. <i>Chemistry - A European Journal</i> , 2013 , 19, 7631-6	4.8	19
20	Facile solvothermal synthesis of graphene/MnOOH nanocomposites. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2552-2557	3.3	16
19	A zero-dimensional nickel, iron/metal/organic framework (MOF) for synergistic N ₂ electrofixation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18810-18815	13	16
18	Defective Indium/Indium Oxide Heterostructures for Highly Selective Carbon Dioxide Electrocatalysis. <i>Inorganic Chemistry</i> , 2020 , 59, 12437-12444	5.1	15

17	Shock Exfoliation of Graphene Fluoride in Microwave. <i>Small</i> , 2020 , 16, e1903397	11	14
16	Strained Nickel Phosphide Nanosheet Array. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30029-30034	9.4	13
15	Microwave-assisted shock synthesis of diverse ultrathin graphene-derived materials. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1433-1439	7.8	11
14	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
13	A shape-memory V ₃ O ₇ ·H ₂ O electrocatalyst for foldable N ₂ fixation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 1603-1609	13	5
12	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
11	Defect Regulating of Few-Layer Antimonene from Acid-Assisted Exfoliation for Enhanced Electrocatalytic Nitrogen Fixation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 40618-40628	9.5	5
10	Processable Surface Modification of Nickel-Heteroatom (N, S) Bridge Sites for Promoted Alkaline Hydrogen Evolution. <i>Angewandte Chemie</i> , 2018 , 131, 471	3.6	4
9	In situ assembly of Ag ₂ O nanoparticles on low defect density carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2012 , 136, 666-672	4.4	3
8	Mxene-Directed Dual Amphiphilicity at Liquid, Solid, and Gas Interfaces. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3850-3854	4.5	2
7	Flash-assisted doping graphene for ultrafast potassium transport. <i>Nano Research</i> , 2017 , 10, 1065-1070	10	1
6	Metal-Sulfur Linkages Achieved by Organic Tethering of Ruthenium Nanocrystals for Enhanced Electrochemical Nitrogen Reduction. <i>Angewandte Chemie</i> , 2020 , 132, 21649-21653	3.6	1
5	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
4	Battery-Driven N Electrolysis Enabled by High-Entropy Catalysts: From Theoretical Prediction to Prototype Model. <i>Small</i> , 2022 , e2106358	11	0
3	New electrocatalysts and mechanisms pave the way to urea oxidation with superior activities and stability. <i>Science China Chemistry</i> , 2021 , 64, 1000-1006	7.9	0
2	Efficient Two-Electron Oxygen Reduction to Hydrogen Peroxide Promoted by Ag-7,7,8,8-Tetracyanoquinodimethane Nanodots/Graphene Hydrogel Hybrid Electrocatalysts. <i>ChemistrySelect</i> , 2021 , 6, 6450-6453	1.8	0
1	Heteroatom-Doped Nanoporous Carbon for Electrocatalysis 2015 , 43-74		