

Qingsheng Gao

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.

97 papers	5,701 citations	36 h-index	75 g-index
106 ext. papers	6,657 ext. citations	9 avg, IF	6.13 L-index

#	Paper	IF	Citations
97	N-Doped Molybdenum Carbides Embedded in Porous Carbon for Efficient Hydrogen Evolution. <i>Materials Today Energy</i> , 2022 , 100992	7	1
96	In-situ reconstruction of catalysts in cathodic electrocatalysis: New insights into active-site structures and working mechanisms. <i>Journal of Energy Chemistry</i> , 2022 , 70, 414-436	12	3
95	Nickel sulfide-oxide heterostructured electrocatalysts: Bi-functionality for overall water splitting and in-situ reconstruction.. <i>Journal of Colloid and Interface Science</i> , 2022 , 622, 728-737	9.3	3
94	Phase Engineering of CoMoO ₄ Anode Materials toward Improved Cycle Life for Li ⁺ Storage. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 1121-1128	4.9	2
93	Inherent Oxygen Vacancies Boost Surface Reconstruction of Ultrathin Ni-Fe Layered-Double-Hydroxides toward Efficient Electrocatalytic Oxygen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 7390-7399	8.3	12
92	Interlayer engineering of two-dimensional transition-metal disulfides for electrochemical and optical sensing applications. <i>FlatChem</i> , 2021 , 27, 100242	5.1	6
91	Interlayer engineering of molybdenum disulfide toward efficient electrocatalytic hydrogenation. <i>Science Bulletin</i> , 2021 , 66, 1003-1012	10.6	11
90	Cathodic corrosion activated Fe-based nanoglass as a highly active and stable oxygen evolution catalyst for water splitting. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 12152-12160	13	8
89	MoC nanodots toward efficient electrocatalytic hydrogen evolution: an interlayer-confined strategy with a 2D-zeolite precursor. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 4724-4733	13	7
88	Single-layer CoFe hydroxides for efficient electrocatalytic oxygen evolution. <i>Chemical Communications</i> , 2021 , 57, 7653-7656	5.8	3
87	Nickel-doped Co ₄ N nanowire bundles as efficient electrocatalysts for oxygen evolution reaction. <i>Science China Materials</i> , 2021 , 64, 1889-1899	7.1	8
86	Isolated Cobalt Atoms on N-Doped Carbon as Nanozymes for Hydrogen Peroxide and Dopamine Detection. <i>ACS Applied Nano Materials</i> , 2021 , 4, 7954-7962	5.6	10
85	Co-tuning composition and channel-rich structure of Ag-Pd alloys toward sensitive electrochemical biosensing. <i>Chemical Engineering Journal</i> , 2021 , 425, 131858	14.7	2
84	A 2H-MoS ₂ /carbon cloth composite for high-performance all-solid-state supercapacitors derived from a molybdenum dithiocarbamate complex. <i>Dalton Transactions</i> , 2021 , 50, 11954-11964	4.3	1
83	Chinese ink-promoted co-assembly synthesis of 3D hierarchically structured and porous MoC _x /C nanocomposites for highly efficient hydrogen evolution reaction. <i>Carbon</i> , 2020 , 170, 558-566	10.4	4
82	Revealing Facet Effects of Palladium Nanocrystals on Electrochemical Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 15622-15630	9.5	9
81	Construction of Single-Phase Nickel Disulfide Microflowers as High-Performance Electrodes for Hybrid Supercapacitors. <i>Energy & Fuels</i> , 2020 , 34, 10178-10187	4.1	18

80	Core-shell nanostructured electrocatalysts for water splitting. <i>Nanoscale</i> , 2020 , 12, 15944-15969	7.7	38
79	Hierarchical Mo ₂ C@MoS ₂ nanorods as electrochemical sensors for highly sensitive detection of hydrogen peroxide and cancer cells. <i>Sensors and Actuators B: Chemical</i> , 2020 , 311, 127863	8.5	30
78	Efficient electrochemical biosensing of hydrogen peroxide on bimetallic MoWS nanoflowers. <i>Journal of Colloid and Interface Science</i> , 2020 , 566, 248-256	9.3	14
77	N-doped carbon encapsulated CoMoO nanorods as long-cycle life anode for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020 , 576, 176-185	9.3	29
76	Molybdenum Carbide-Oxide Heterostructures: In Situ Surface Reconfiguration toward Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie</i> , 2020 , 132, 3572-3576	3.6	13
75	Molybdenum Carbide-Oxide Heterostructures: In Situ Surface Reconfiguration toward Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3544-3548	16.4	92
74	Plasma-Engineered MoP with nitrogen doping: Electron localization toward efficient alkaline hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118441	21.8	39
73	Self-supporting composited electrocatalysts of ultrafine Mo ₂ C on 3D-hierarchical porous carbon monoliths for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 23265-23273	13	6
72	Converting surface-oxidized cobalt phosphides into Co(PO)-CoP heterostructures for efficient electrocatalytic hydrogen evolution. <i>Nanotechnology</i> , 2019 , 30, 394001	3.4	7
71	Making Use of the π Electrons in KMo(SO) for Visible-Light-Induced Photocatalytic Hydrogen Production. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24006-24017	9.5	2
70	Molybdenum disulfide nanoflowers mediated anti-inflammation macrophage modulation for spinal cord injury treatment. <i>Journal of Colloid and Interface Science</i> , 2019 , 549, 50-62	9.3	25
69	CoxNi _{1-x} nanoalloys on N-doped carbon nanofibers: Electronic regulation toward efficient electrochemical CO ₂ reduction. <i>Journal of Catalysis</i> , 2019 , 372, 277-286	7.3	15
68	Expanding the interlayers of molybdenum disulfide toward the highly sensitive sensing of hydrogen peroxide. <i>Nanoscale</i> , 2019 , 11, 6644-6653	7.7	32
67	Popcorn derived carbon enhances the cyclic stability of MoS ₂ as an anode material for sodium-ion batteries. <i>Electrochimica Acta</i> , 2019 , 309, 25-33	6.7	29
66	Noble-Metal-Free Electrocatalysts: Structural Design and Electronic Modulation of Transition-Metal-Carbide Electrocatalysts toward Efficient Hydrogen Evolution (Adv. Mater. 2/2019). <i>Advanced Materials</i> , 2019 , 31, 1970009	24	8
65	Pd-Ag Alloy Electrocatalysts for CO Reduction: Composition Tuning to Break the Scaling Relationship. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33074-33081	9.5	36
64	Carbon-Based Nanomaterials as Sustainable Noble-Metal-Free Electrocatalysts. <i>Frontiers in Chemistry</i> , 2019 , 7, 759	5	15
63	Heterostructured MoC-MoP/N-doped carbon nanofibers as efficient electrocatalysts for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019 , 299, 708-716	6.7	31

62	Bimetallic Ni ₂ -xCoxP/N-doped carbon nanofibers: Solid-solution-alloy engineering toward efficient hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 244, 620-627	21.8	83
61	Structural Design and Electronic Modulation of Transition-Metal-Carbide Electrocatalysts toward Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2019 , 31, e1802880	24	267
60	CoNiSe ₂ heteronanorods decorated with layered-double-hydroxides for efficient hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 242, 132-139	21.8	132
59	Hydrogen Doping into MoO ₃ Supports toward Modulated Metal-Support Interactions and Efficient Furfural Hydrogenation on Iridium Nanocatalysts. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 641-647	4.5	15
58	MoS ₂ nanosheets with peroxidase mimicking activity as viable dual-mode optical probes for determination and imaging of intracellular hydrogen peroxide. <i>Mikrochimica Acta</i> , 2018 , 185, 287	5.8	21
57	MoC/C nanowires as high-rate and long cyclic life anode for lithium ion batteries. <i>Electrochimica Acta</i> , 2018 , 277, 205-210	6.7	22
56	Organic-Inorganic-Hybrid-Derived Molybdenum Carbide Nanoladders: Impacts of Surface Oxidation for Hydrogen Evolution Reaction. <i>ChemNanoMat</i> , 2018 , 4, 194-202	3.5	19
55	Reduced-graphene-oxide supported tantalum-based electrocatalysts: Controlled nitrogen doping and oxygen reduction reaction. <i>Applied Surface Science</i> , 2018 , 434, 243-250	6.7	11
54	Enhancing formaldehyde oxidation on iridium catalysts using hydrogenated TiO ₂ supports. <i>New Journal of Chemistry</i> , 2018 , 42, 18381-18387	3.6	8
53	Molybdenum-Incorporated Mesoporous Silica: Surface Engineering toward Enhanced Metal-Support Interactions and Efficient Hydrogenation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42475-42483	9.5	10
52	Chemoselective Hydrogenation of Cinnamaldehyde on Iron-Oxide Modified Pt/MoO ₃ Catalysts. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3737-3744	4.5	11
51	MoS ₂ /Ni ₃ S ₂ Heteronanorods as Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Catalysis</i> , 2017 , 7, 2357-2366	13.1	705
50	Mo ₂ C/N-doped carbon nanowires as anode materials for sodium-ion batteries. <i>Materials Letters</i> , 2017 , 194, 30-33	3.3	18
49	Phosphorus-Mo ₂ C@carbon nanowires toward efficient electrochemical hydrogen evolution: composition, structural and electronic regulation. <i>Energy and Environmental Science</i> , 2017 , 10, 1262-1274	15.4	295
48	Efficient electrochemical detection of cancer cells on in situ surface-functionalized MoS ₂ nanosheets. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 5532-5538	7.3	34
47	Mesoporous and Skeletal Molybdenum Carbide for Hydrogen Evolution Reaction: Diatomite-Type Structure and Formation Mechanism. <i>ChemElectroChem</i> , 2017 , 4, 2169-2177	4.3	23
46	Electrospinning Hetero-Nanofibers of Fe ₃ C-Mo ₂ C/Nitrogen-Doped-Carbon as Efficient Electrocatalysts for Hydrogen Evolution. <i>ChemSusChem</i> , 2017 , 10, 2546-2546	8.3	1
45	Electrospinning Hetero-Nanofibers of Fe ₃ C-Mo ₂ C/Nitrogen-Doped-Carbon as Efficient Electrocatalysts for Hydrogen Evolution. <i>ChemSusChem</i> , 2017 , 10, 2597-2604	8.3	82

44	MoS ₂ Nanosheets with Conformal Carbon Coating as Stable Anode Materials for Sodium-Ion Batteries. <i>Electrochimica Acta</i> , 2017 , 254, 172-180	6.7	44
43	Metallic Cobalt@Nitrogen-Doped Carbon Nanocomposites: Carbon-Shell Regulation toward Efficient Bi-Functional Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37721-37730	9.5	48
42	Bimetallic Platinum-Tin Nanoparticles on Hydrogenated Molybdenum Oxide for the Selective Hydrogenation of Functionalized Nitroarenes. <i>ChemCatChem</i> , 2017 , 9, 4199-4205	5.2	18
41	Mesoporous and Skeletal Molybdenum Carbide for Hydrogen Evolution Reaction: Diatomite-type Structure and Formation Mechanism. <i>ChemElectroChem</i> , 2017 , 4, 2129-2129	4.3	
40	Bimetallic Platinum-Tin Nanoparticles on Hydrogenated Molybdenum Oxide for the Selective Hydrogenation of Functionalized Nitroarenes. <i>ChemCatChem</i> , 2017 , 9, 4158-4158	5.2	
39	Ni/Mo ₂ C nanowires and their carbon-coated composites as efficient catalysts for nitroarenes hydrogenation. <i>Applied Surface Science</i> , 2017 , 396, 339-346	6.7	27
38	Polymer-Derived Carbon/Inorganic Nanohybrids for Electrochemical Energy Storage and Conversion. <i>Engineering Materials and Processes</i> , 2017 , 419-480		
37	Hierarchical MoO ₂ /Mo ₂ C/C Hybrid Nanowires as High-Rate and Long-Life Anodes for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19987-93	9.5	78
36	Chemoselective hydrogenation of α,β -unsaturated aldehydes on hydrogenated MoO _x nanorods supported iridium nanoparticles. <i>Journal of Molecular Catalysis A</i> , 2016 , 425, 248-254		33
35	Enhancing Metal-Support Interactions by Molybdenum Carbide: An Efficient Strategy toward the Chemoselective Hydrogenation of α,β -Unsaturated Aldehydes. <i>Chemistry - A European Journal</i> , 2016 , 22, 5698-704	4.8	31
34	Mesoporous Mo ₂ C/N-doped carbon heteronanowires as high-rate and long-life anode materials for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10842-10849	13	119
33	Molybdenum carbide supported by N-doped carbon: Controlled synthesis and application in electrocatalytic hydrogen evolution reaction. <i>Materials Letters</i> , 2016 , 176, 101-105	3.3	17
32	Porous nanoMoC@graphite shell derived from a MOFs-directed strategy: an efficient electrocatalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6006-6013	13	158
31	Heteronanowires of MoC-MoC as efficient electrocatalysts for hydrogen evolution reaction. <i>Chemical Science</i> , 2016 , 7, 3399-3405	9.4	412
30	Hierarchical MoO ₂ /N-doped carbon heteronanowires with high rate and improved long-term performance for lithium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 306, 78-84	8.9	92
29	Cobalt-Doping in Molybdenum-Carbide Nanowires Toward Efficient Electrocatalytic Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2016 , 26, 5590-5598	15.6	311
28	Mo ₂ C/Reduced-Graphene-Oxide Nanocomposite: An Efficient Electrocatalyst for the Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2016 , 3, 2110-2115	4.3	25
27	Microwave-Assisted Reactant-Protecting Strategy toward Efficient MoS ₂ Electrocatalysts in Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23741-9	9.5	88

26	Controlled nitridation of tantalum (oxy)nitride nanoparticles towards optimized metal-support interactions with gold nanocatalysts. <i>RSC Advances</i> , 2015 , 5, 89282-89289	3.7	10
25	Ultrathin MoS ₂ nanosheets growing within an in-situ-formed template as efficient electrocatalysts for hydrogen evolution. <i>Journal of Power Sources</i> , 2015 , 275, 588-594	8.9	97
24	Conjugated-Polymer/Inorganic Nanocomposites as Electrode Materials for Li-Ion Batteries 2015 , 379-418		
23	Design of N-graphene-NbO _x hybrid nanosheets with sandwich-like structure and electrocatalytic performance towards oxygen reduction reaction. <i>Electrochimica Acta</i> , 2015 , 158, 42-48	6.7	7
22	Metal non-oxide nanostructures developed from organic-inorganic hybrids and their catalytic application. <i>Nanoscale</i> , 2014 , 6, 14106-20	7.7	42
21	Hierarchical MoS ₂ /polyaniline nanowires with excellent electrochemical performance for lithium-ion batteries. <i>Advanced Materials</i> , 2013 , 25, 1180-4	24	529
20	SiO ₂ -surface-assisted controllable synthesis of TaON and Ta ₃ N ₅ nanoparticles for alkene epoxidation. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 961-5	16.4	47
19	Biomimetic Oxygen Activation by MoS ₂ /Ta ₃ N ₅ Nanocomposites for Selective Aerobic Oxidation. <i>Angewandte Chemie</i> , 2012 , 124, 11910-11914	3.6	16
18	Biomimetic oxygen activation by MoS ₂ /Ta ₃ N ₅ nanocomposites for selective aerobic oxidation. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11740-4	16.4	56
17	One-dimensional growth of MoO _x -based organic/inorganic hybrid nanowires with tunable photochromic properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4709		89
16	Preparation of organic-inorganic hybrid Fe-MoO(x)/polyaniline nanorods as efficient catalysts for alkene epoxidation. <i>Chemical Communications</i> , 2012 , 48, 260-2	5.8	39
15	SiO ₂ -Surface-Assisted Controllable Synthesis of TaON and Ta ₃ N ₅ Nanoparticles for Alkene Epoxidation. <i>Angewandte Chemie</i> , 2012 , 124, 985-989	3.6	10
14	Controllable synthesis of organic-inorganic hybrid MoO _x /polyaniline nanowires and nanotubes. <i>Chemistry - A European Journal</i> , 2011 , 17, 1465-72	4.8	43
13	Controlled synthesis of tantalum oxynitride and nitride nanoparticles. <i>Small</i> , 2011 , 7, 3334-40	11	46
12	Inside Cover: Controllable Synthesis of Organic/Inorganic Hybrid MoO _x /Polyaniline Nanowires and Nanotubes (Chem. Eur. J. 5/2011). <i>Chemistry - A European Journal</i> , 2011 , 17, 1370-1370	4.8	
11	Synthesis, characterization and lithium-storage performance of MoO ₂ /carbon hybrid nanowires. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2807		129
10	Preparation of supported Mo(2)C-based catalysts from organic-inorganic hybrid precursor for hydrogen production from methanol decomposition. <i>Chemical Communications</i> , 2010 , 46, 6494-6	5.8	36
9	Mesoporous germanium as anode material of high capacity and good cycling prepared by a mechanochemical reaction. <i>Electrochemistry Communications</i> , 2010 , 12, 418-421	5.1	111

8	Synthesis of Nanoporous Molybdenum Carbide Nanowires Based on Organic/Inorganic Hybrid Nanocomposites with Sub-Nanometer Periodic Structures. <i>Chemistry of Materials</i> , 2009 , 21, 5560-5562	9.6	115
7	High-Concentration Preparation of Silver Nanowires: Restraining in Situ Nitric Acidic Etching by Steel-Assisted Polyol Method. <i>Chemistry of Materials</i> , 2008 , 20, 1699-1704	9.6	71
6	MoO ₂ synthesized by reduction of MoO ₃ with ethanol vapor as an anode material with good rate capability for the lithium ion battery. <i>Journal of Power Sources</i> , 2008 , 179, 357-360	8.9	124
5	Synthesis and Characterization of Organic/Inorganic Hybrid GeO _x /Ethylenediamine Nanowires. <i>Advanced Materials</i> , 2008 , 20, 1837-1842	24	54
4	The production of carbon nanospheres by the pyrolysis of polyacrylonitrile. <i>Carbon</i> , 2008 , 46, 1816-1818	10.4	25
3	Tremella-like molybdenum dioxide consisting of nanosheets as an anode material for lithium ion battery. <i>Electrochemistry Communications</i> , 2008 , 10, 118-122	5.1	151
2	Bromine anion mediated epitaxial growth of core-shell Pd@Ag towards efficient electrochemical CO ₂ reduction. <i>Materials Chemistry Frontiers</i> ,	7.8	5
1	Intercalation-Driven Defect-Engineering of MoS ₂ for Catalytic Transfer Hydrogenation. <i>Advanced Materials Interfaces</i> , 2020 , 5, 2000505	4.6	2