

Yue Gong

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.

74
papers

6,055
citations

44
h-index

76
g-index

76
ext. papers

7,628
ext. citations

15.3
avg, IF

5.73
L-index

#	Paper	IF	Citations
74	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. <i>Science Advances</i> , 2021 , 7,	14.3	25
73	Cation-synergy stabilizing anion redox of Chevrel phase Mo ₆ S ₈ in aluminum ion battery. <i>Energy Storage Materials</i> , 2021 , 37, 87-93	19.4	12
72	Pillar-beam structures prevent layered cathode materials from destructive phase transitions. <i>Nature Communications</i> , 2021 , 12, 13	17.4	24
71	Long-Term Cycle Stability Enabled by the Incorporation of Ni into Li ₂ MnO ₃ Phase in the Mn-Based Li-Rich Layered Materials. <i>ACS Energy Letters</i> , 2021 , 6, 789-798	20.1	7
70	Unveiling the Interface Structure of the Exsolved Co-Fe Alloy Nanoparticles from Double Perovskite and Its Application in Solid Oxide Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 3287-3294	9.5	4
69	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. <i>Nature Chemistry</i> , 2020 , 12, 764-772	17.6	207
68	Carbon Monoxide Promotes the Catalytic Hydrogenation on Metal Cluster Catalysts. <i>Research</i> , 2020 , 2020, 4172794	7.8	11
67	Structural evolution and matter transportation of the interface in all-solid-state battery. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020 , 69, 226801-226801	0.6	2
66	A new lithium diffusion model in layered oxides based on asymmetric but reversible transition metal migration. <i>Energy and Environmental Science</i> , 2020 , 13, 1269-1278	35.4	20
65	Impact of the Coordination Environment on Atomically Dispersed Pt Catalysts for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2020 , 10, 907-913	13.1	68
64	Alkali ions secure hydrides for catalytic hydrogenation. <i>Nature Catalysis</i> , 2020 , 3, 703-709	36.5	56
63	Fully Exploited Oxygen Redox Reaction by the Inter-Diffused Cations in Co-Free Li-Rich Materials for High Performance Li-Ion Batteries. <i>Advanced Science</i> , 2020 , 7, 2001658	13.6	8
62	Elemental Segregation in Multimetallic Core-Shell Nanoplates. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14496-14500	16.4	29
61	High loading single-atom Cu dispersed on graphene for efficient oxygen reduction reaction. <i>Nano Energy</i> , 2019 , 66, 104088	17.1	88
60	Scalable Production of Two-Dimensional Metallic Transition Metal Dichalcogenide Nanosheet Powders Using NaCl Templates toward Electrocatalytic Applications. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18694-18703	16.4	34
59	Suppression of Monoclinic Phase Transitions of O ₃ -Type Cathodes Based on Electronic Delocalization for Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22067-22073	9.5	21
58	Phase Control on Surface for the Stabilization of High Energy Cathode Materials of Lithium Ion Batteries. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4900-4907	16.4	54

57	A simple electrochemical method for conversion of Pt wires to Pt concave icosahedra and nanocubes on carbon paper for electrocatalytic hydrogen evolution. <i>Science China Materials</i> , 2019 , 62, 115-121	7.1	15
56	Atomically dispersed Fe atoms anchored on COF-derived N-doped carbon nanospheres as efficient multi-functional catalysts. <i>Chemical Science</i> , 2019 , 11, 786-790	9.4	64
55	Single-atom cobalt array bound to distorted 1T MoS with ensemble effect for hydrogen evolution catalysis. <i>Nature Communications</i> , 2019 , 10, 5231	17.4	204
54	Epitaxial Growth of Two-Dimensional Metal-Semiconductor Transition-Metal Dichalcogenide Vertical Stacks (VSe/MX) and Their Band Alignments. <i>ACS Nano</i> , 2019 , 13, 885-893	16.7	58
53	Boosting the rate capability of multichannel porous TiO ₂ nanofibers with well-dispersed Cu nanodots and Cu ²⁺ -doping derived oxygen vacancies for sodium-ion batteries. <i>Nano Research</i> , 2019 , 12, 2211-2217	10	21
52	Synthesis of MoX ₂ (X = Se or S) monolayers with high-concentration 1T' phase on 4H/fcc-Au nanorods for hydrogen evolution. <i>Nano Research</i> , 2019 , 12, 1301-1305	10	28
51	Surface Oxidation of AuNi Heterodimers to Achieve High Activities toward Hydrogen/Oxygen Evolution and Oxygen Reduction Reactions. <i>Small</i> , 2018 , 14, e1703749	11	49
50	Vertical 1T-TaS Synthesis on Nanoporous Gold for High-Performance Electrocatalytic Applications. <i>Advanced Materials</i> , 2018 , 30, e1705916	24	55
49	An interpenetrating 3D porous reticular Nb ₂ O ₅ @carbon thin film for superior sodium storage. <i>Nano Energy</i> , 2018 , 48, 448-455	17.1	75
48	ZirconiumPorphyrin-Based MetalOrganic Framework Hollow Nanotubes for Immobilization of Noble-Metal Single Atoms. <i>Angewandte Chemie</i> , 2018 , 130, 3551-3556	3.6	72
47	Zirconium-Porphyrin-Based Metal-Organic Framework Hollow Nanotubes for Immobilization of Noble-Metal Single Atoms. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3493-3498	16.4	237
46	Mimic the Photosystem II for Water Oxidation in Neutral Solution: A Case of Co ₃ O ₄ . <i>Advanced Energy Materials</i> , 2018 , 8, 1702313	21.8	14
45	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018 , 30, 1705509	24	234
44	An Unusual Strong Visible-Light Absorption Band in Red Anatase TiO Photocatalyst Induced by Atomic Hydrogen-Occupied Oxygen Vacancies. <i>Advanced Materials</i> , 2018 , 30, 1704479	24	152
43	Fe Isolated Single Atoms on S, N Codoped Carbon by Copolymer Pyrolysis Strategy for Highly Efficient Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2018 , 30, e1800588	24	338
42	The promoting effect of low-level sulfidation in PdCuS nanoparticles catalyzed alkyne semihydrogenation. <i>Nano Research</i> , 2018 , 11, 4883-4889	10	4
41	Isolated Fe and Co dual active sites on nitrogen-doped carbon for a highly efficient oxygen reduction reaction. <i>Chemical Communications</i> , 2018 , 54, 4274-4277	5.8	128
40	High Br Content CsPb(Cl Br) Perovskite Nanocrystals with Strong Mn Emission through Diverse Cation/Anion Exchange Engineering. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11739-11746	9.5	74

39	Ultrathin 2D Zirconium Metal-Organic Framework Nanosheets: Preparation and Application in Photocatalysis. <i>Small</i> , 2018 , 14, e1703929	11	110
38	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. <i>Nature Chemistry</i> , 2018 , 10, 456-461	17.6	160
37	Application of chemical vapor deposited monolayer ReSe ₂ in the electrocatalytic hydrogen evolution reaction. <i>Nano Research</i> , 2018 , 11, 1787-1797	10	48
36	Synthesis of Hierarchical 4H/fcc Ru Nanotubes for Highly Efficient Hydrogen Evolution in Alkaline Media. <i>Small</i> , 2018 , 14, e1801090	11	52
35	A Flexible Sulfur-Enriched Nitrogen Doped Multichannel Hollow Carbon Nanofibers Film for High Performance Sodium Storage. <i>Small</i> , 2018 , 14, e1802218	11	73
34	Direct observation of noble metal nanoparticles transforming to thermally stable single atoms. <i>Nature Nanotechnology</i> , 2018 , 13, 856-861	28.7	471
33	Three-dimensional atomic-scale observation of structural evolution of cathode material in a working all-solid-state battery. <i>Nature Communications</i> , 2018 , 9, 3341	17.4	45
32	Crystal Phase and Architecture Engineering of Lotus-Thalamus-Shaped Pt-Ni Anisotropic Superstructures for Highly Efficient Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018 , 30, e1801741	24	128
31	Selenium embedded in MOF-derived N-doped microporous carbon polyhedrons as a high performance cathode for sodium-selenium batteries. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1574-1582	7.8	32
30	Two-dimensional spinodal interface in one-step grown graphene-molybdenum carbide heterostructures. <i>Physical Review Materials</i> , 2018 , 2,	3.2	6
29	Constructing NiCo/FeO Heteroparticles within MOF-74 for Efficient Oxygen Evolution Reactions. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15336-15341	16.4	193
28	Surfaces/Interfaces Modification for Vacancies Enhancing Lithium Storage Capability of CuO Ultrasmall Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35137-35144	9.5	15
27	Chemical Vapor Deposition Grown Wafer-Scale 2D Tantalum Diselenide with Robust Charge-Density-Wave Order. <i>Advanced Materials</i> , 2018 , 30, e1804616	24	45
26	Li-Rich Li[Li Fe Ni Mn]O (LFNMO) Cathodes: Atomic Scale Insight on the Mechanisms of Cycling Decay and of the Improvement due to Cobalt Phosphate Surface Modification. <i>Small</i> , 2018 , 14, e1802570 ¹	11	30
25	Stabilizing Cathode Materials of Lithium-Ion Batteries by Controlling Interstitial Sites on the Surface. <i>Chem</i> , 2018 , 4, 1685-1695	16.2	45
24	In Situ Atomic-Scale Observation of Electrochemical Delithiation Induced Structure Evolution of LiCoO ₂ Cathode in a Working All-Solid-State Battery. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4274-4277	16.4	109
23	PdAuCu Nanobranch as Self-Repairing Electrocatalyst for Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2017 , 10, 1469-1474	8.3	15
22	Transformation of monolayer MoS ₂ into multiphasic MoTe ₂ : Chalcogen atom-exchange synthesis route. <i>Nano Research</i> , 2017 , 10, 2761-2771	10	11

21	Designing Air-Stable O ₃ -Type Cathode Materials by Combined Structure Modulation for Na-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8440-8443	16.4	219
20	High stored energy of metallic glasses induced by high pressure. <i>Applied Physics Letters</i> , 2017 , 110, 111904	9.1	32
19	Significantly Increased Raman Enhancement on MoX ₂ (X = S, Se) Monolayers upon Phase Transition. <i>Advanced Functional Materials</i> , 2017 , 27, 1606694	15.6	114
18	Highly Active and Durable Pt ₇₂ Ru ₂₈ Porous Nanoalloy Assembled with Sub-4.0 nm Particles for Methanol Oxidation. <i>Advanced Energy Materials</i> , 2017 , 7, 1601593	21.8	69
17	Vanadium Diselenide Single Crystals: Van der Waals Epitaxial Growth of 2D Metallic Vanadium Diselenide Single Crystals and their Extra-High Electrical Conductivity (Adv. Mater. 37/2017). <i>Advanced Materials</i> , 2017 , 29,	24	16
16	Two-dimensional metallic tantalum disulfide as a hydrogen evolution catalyst. <i>Nature Communications</i> , 2017 , 8, 958	17.4	143
15	Optical properties of Mn ²⁺ doped cesium lead halide perovskite nanocrystals via a cation/anion co-substitution exchange reaction. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9281-9287	7.1	65
14	Unusual Spinel-to-Layered Transformation in LiMnO ₂ Cathode Explained by Electrochemical and Thermal Stability Investigation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35463-35475	9.5	63
13	Metallic Vanadium Disulfide Nanosheets as a Platform Material for Multifunctional Electrode Applications. <i>Nano Letters</i> , 2017 , 17, 4908-4916	11.5	155
12	Van der Waals Epitaxial Growth of 2D Metallic Vanadium Diselenide Single Crystals and their Extra-High Electrical Conductivity. <i>Advanced Materials</i> , 2017 , 29, 1702359	24	135
11	Edge Epitaxy of Two-Dimensional MoSe and MoS Nanosheets on One-Dimensional Nanowires. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8653-8660	16.4	90
10	Surface evolution of a Pt ₂ Bd ₂ Au electrocatalyst for stable oxygen reduction. <i>Nature Energy</i> , 2017 , 2,	62.3	233
9	One-step synthesis of van der Waals heterostructures of graphene and two-dimensional superconducting Mo ₂ C. <i>Physical Review B</i> , 2017 , 95,	3.3	40
8	C/L-band emission of InAs QDs monolithically grown on Ge substrate. <i>Optical Materials Express</i> , 2017 , 7, 2955	2.6	9
7	High-Performance Anode Material Sr ₂ FeMo _{0.65} Ni _{0.35} O _{6-δ} with In Situ Exsolved Nanoparticle Catalyst. <i>ACS Nano</i> , 2016 , 10, 8660-9	16.7	206
6	Tracking the morphology evolution of nano-lead electrodeposits on the internal surface of porous carbon and its influence on lead-carbon batteries. <i>Electrochimica Acta</i> , 2016 , 222, 376-384	6.7	22
5	Submonolayered Ru Deposited on Ultrathin Pd Nanosheets used for Enhanced Catalytic Applications. <i>Advanced Materials</i> , 2016 , 28, 10282-10286	24	117
4	Manganous oxide nanoparticles encapsulated in few-layer carbon as an efficient electrocatalyst for oxygen reduction in alkaline media. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11775-11781	13	20

3	Tuning Pt-skin to Ni-rich surface of Pt ₃ Ni catalysts supported on porous carbon for enhanced oxygen reduction reaction and formic electro-oxidation. <i>Nano Energy</i> , 2016 , 19, 198-209	17.1	83
2	Temperature-Mediated Selective Growth of MoS ₂ /WS ₂ and WS ₂ /MoS ₂ Vertical Stacks on Au Foils for Direct Photocatalytic Applications. <i>Advanced Materials</i> , 2016 , 28, 10664-10672	24	142
1	Degrees of freedom for energy storage material		0