Yue Gong

List of Publications by Year
in descending order

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75 papers	9,082 citations	46918 47 h-index	76769 74 g-index
76 all docs	76 docs citations	76 times ranked	12378 citing authors

#	Article	IF	Citations
1	Degrees of freedom for energy storage material. , 2022, 4, 633-644.		9
2	Pillar-beam structures prevent layered cathode materials from destructive phase transitions. Nature Communications, 2021, 12, 13.	5.8	85
3	Long-Term Cycle Stability Enabled by the Incorporation of Ni into Li₂MnO₃ Phase in the Mn-Based Li-Rich Layered Materials. ACS Energy Letters, 2021, 6, 789-798.	8.8	27
4	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. Science Advances, 2021, 7, .	4.7	64
5	Cation-synergy stabilizing anion redox of Chevrel phase Mo6S8 in aluminum ion battery. Energy Storage Materials, 2021, 37, 87-93.	9.5	31
6	Unveiling the Interface Structure of the Exsolved Coâ€“Fe Alloy Nanoparticles from Double Perovskite and Its Application in Solid Oxide Fuel Cells. ACS Applied Materials & Interfaces, 2021, 13, 3287-3294.	4.0	8
7	Atomically dispersed Fe atoms anchored on COF-derived N-doped carbon nanospheres as efficient multi-functional catalysts. Chemical Science, 2020, 11, 786-790.	3.7	110
8	Impact of the Coordination Environment on Atomically Dispersed Pt Catalysts for Oxygen Reduction Reaction. ACS Catalysis, 2020, 10, 907-913.	5.5	121
9	Alkali ions secure hydrides for catalytic hydrogenation. Nature Catalysis, 2020, 3, 703-709.	16.1	123
10	Fully Exploited Oxygen Redox Reaction by the Interâ€Diffused Cations in Coâ€Free Liâ€Rich Materials for High Performance Liâ€Ion Batteries. Advanced Science, 2020, 7, 2001658.	5.6	17
11	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general hostâ€“guest strategy. Nature Chemistry, 2020, 12, 764-772.	6.6	452
12	A new lithium diffusion model in layered oxides based on asymmetric but reversible transition metal migration. Energy and Environmental Science, 2020, 13, 1269-1278.	15.6	39
13	Carbon Monoxide Promotes the Catalytic Hydrogenation on Metal Cluster Catalysts. Research, 2020, 2020, 4172794.	2.8	14
14	Structural evolution and matter transportation of the interface in all-solid-state battery. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 226801.	0.2	3
15	A simple electrochemical method for conversion of Pt wires to Pt concave icosahedra and nanocubes on carbon paper for electrocatalytic hydrogen evolution. Science China Materials, 2019, 62, 115-121.	3.5	16
16	Elemental Segregation in Multimetallic Coreâ€“Shell Nanoplates. Journal of the American Chemical Society, 2019, 141, 14496-14500.	6.6	46
17	High loading single-atom Cu dispersed on graphene for efficient oxygen reduction reaction. Nano Energy, 2019, 66, 104088.	8.2	138
18	Scalable Production of Two-Dimensional Metallic Transition Metal Dichalcogenide Nanosheet Powders Using NaCl Templates toward Electrocatalytic Applications. Journal of the American Chemical Society, 2019, 141, 18694-18703.	6.6	56

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19	Suppression of Monoclinic Phase Transitions of O3-Type Cathodes Based on Electronic Delocalization for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 22067-22073.	4.0	48
20	Phase Control on Surface for the Stabilization of High Energy Cathode Materials of Lithium Ion Batteries. Journal of the American Chemical Society, 2019, 141, 4900-4907.	6.6	83
21	Single-atom cobalt array bound to distorted 1T MoS2 with ensemble effect for hydrogen evolution catalysis. Nature Communications, 2019, 10, 5231.	5.8	371
22	Epitaxial Growth of Two-Dimensional Metalâ€“Semiconductor Transition-Metal Dichalcogenide Vertical Stacks (VSe₂/MX₂) and Their Band Alignments. ACS Nano, 2019, 13, 885-893.	7.3	102
23	Boosting the rate capability of multichannel porous TiO2 nanofibers with well-dispersed Cu nanodots and Cu2+-doping derived oxygen vacancies for sodium-ion batteries. Nano Research, 2019, 12, 2211-2217.	5.8	34
24	Synthesis of MoX2 (X = Se or S) monolayers with high-concentration 1Tâ€² phase on 4H/fcc-Au nanorods for hydrogen evolution. Nano Research, 2019, 12, 1301-1305.	5.8	44
25	Surface Oxidation of AuNi Heterodimers to Achieve High Activities toward Hydrogen/Oxygen Evolution and Oxygen Reduction Reactions. Small, 2018, 14, e1703749.	5.2	60
26	Vertical 1Tâ€TaS₂ Synthesis on Nanoporous Gold for Highâ€Performance Electrocatalytic Applications. Advanced Materials, 2018, 30, e1705916.	11.1	75
27	An interpenetrating 3D porous reticular Nb2O5@carbon thin film for superior sodium storage. Nano Energy, 2018, 48, 448-455.	8.2	97
28	Zirconiumâ€“Porphyrinâ€Based Metalâ€“Organic Framework Hollow Nanotubes for Immobilization of Nobleâ€Metal Single Atoms. Angewandte Chemie, 2018, 130, 3551-3556.	1.6	102
29	Zirconiumâ€“Porphyrinâ€Based Metalâ€“Organic Framework Hollow Nanotubes for Immobilization of Nobleâ€Metal Single Atoms. Angewandte Chemie - International Edition, 2018, 57, 3493-3498.	7.2	341
30	Mimic the Photosystem II for Water Oxidation in Neutral Solution: A Case of Co₃O₄. Advanced Energy Materials, 2018, 8, 1702313.	10.2	18
31	Preparation of Highâ€Percentage 1Tâ€Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. Advanced Materials, 2018, 30, 1705509.	11.1	341
32	An Unusual Strong Visibleâ€Light Absorption Band in Red Anatase TiO₂ Photocatalyst Induced by Atomic Hydrogenâ€Occupied Oxygen Vacancies. Advanced Materials, 2018, 30, 1704479.	11.1	231
33	Fe Isolated Single Atoms on S, N Codoped Carbon by Copolymer Pyrolysis Strategy for Highly Efficient Oxygen Reduction Reaction. Advanced Materials, 2018, 30, e1800588.	11.1	511
34	The promoting effect of low-level sulfidation in PdCuS nanoparticles catalyzed alkyne semihydrogenation. Nano Research, 2018, 11, 4883-4889.	5.8	6
35	Isolated Fe and Co dual active sites on nitrogen-doped carbon for a highly efficient oxygen reduction reaction. Chemical Communications, 2018, 54, 4274-4277.	2.2	166
36	High Br^{â€“} Content CsPb(Cl_yBr_{1â€“y})₃ Perovskite Nanocrystals with Strong Mn²⁺ Emission through Diverse Cation/Anion Exchange Engineering. ACS Applied Materials & Interfaces, 2018, 10, 11739-11746.	4.0	92

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37	Ultrathin 2D Zirconium Metalâ€"Organic Framework Nanosheets: Preparation and Application in Photocatalysis. Small, 2018, 14, e1703929.	5.2	171
38	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. Nature Chemistry, 2018, 10, 456-461.	6.6	220
39	Application of chemical vaporâ€"deposited monolayer ReSe2 in the electrocatalytic hydrogen evolution reaction. Nano Research, 2018, 11, 1787-1797.	5.8	71
40	Constructing NiCo/Fe₃O₄ Heteroparticles within MOF-74 for Efficient Oxygen Evolution Reactions. Journal of the American Chemical Society, 2018, 140, 15336-15341.	6.6	310
41	Surfaces/Interfaces Modification for Vacancies Enhancing Lithium Storage Capability of Cu2O Ultrasmall Nanocrystals. ACS Applied Materials & Interfaces, 2018, 10, 35137-35144.	4.0	31
42	Chemical Vapor Deposition Grown Waferâ€Scale 2D Tantalum Diselenide with Robust Chargeâ€Densityâ€Wave Order. Advanced Materials, 2018, 30, e1804616.	11.1	63
43	Liâ€Rich Li[Li_{1/6}Fe_{1/6}Ni_{1/6}Mn_{1/2}]O₂ (LFNMO) Cathodes: Atomic Scale Insight on the Mechanisms of Cycling Decay and of the Improvement due to Cobalt Phosphate Surface Modification. Small, 2018, 14, e1802570.	5.2	41
44	Stabilizing Cathode Materials of Lithium-Ion Batteries by Controlling Interstitial Sites on the Surface. CheM, 2018, 4, 1685-1695.	5.8	63
45	Synthesis of Hierarchical 4H/fcc Ru Nanotubes for Highly Efficient Hydrogen Evolution in Alkaline Media. Small, 2018, 14, e1801090.	5.2	80
46	A Flexible Sulfurâ€Enriched Nitrogen Doped Multichannel Hollow Carbon Nanofibers Film for High Performance Sodium Storage. Small, 2018, 14, e1802218.	5.2	103
47	Direct observation of noble metal nanoparticles transforming to thermally stable single atoms. Nature Nanotechnology, 2018, 13, 856-861.	15.6	741
48	Three-dimensional atomic-scale observation of structural evolution of cathode material in a working all-solid-state battery. Nature Communications, 2018, 9, 3341.	5.8	60
49	Crystal Phase and Architecture Engineering of Lotusâ€Thalamusâ€Shaped Ptâ€Ni Anisotropic Superstructures for Highly Efficient Electrochemical Hydrogen Evolution. Advanced Materials, 2018, 30, e1801741.	11.1	163
50	Selenium embedded in MOF-derived N-doped microporous carbon polyhedrons as a high performance cathode for sodiumâ€"selenium batteries. Materials Chemistry Frontiers, 2018, 2, 1574-1582.	3.2	48
51	Two-dimensional spinodal interface in one-step grown graphene-molybdenum carbide heterostructures. Physical Review Materials, 2018, 2, .	0.9	9
52	In Situ Atomic-Scale Observation of Electrochemical Delithiation Induced Structure Evolution of LiCoO₂ Cathode in a Working All-Solid-State Battery. Journal of the American Chemical Society, 2017, 139, 4274-4277.	6.6	142
53	PdAuCu Nanobranch as Selfâ€Repairing Electrocatalyst for Oxygen Reduction Reaction. ChemSusChem, 2017, 10, 1469-1474.	3.6	19
54	Transformation of monolayer MoS2 into multiphasic MoTe2: Chalcogen atom-exchange synthesis route. Nano Research, 2017, 10, 2761-2771.	5.8	13

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55	Designing Air-Stable O3-Type Cathode Materials by Combined Structure Modulation for Na-Ion Batteries. Journal of the American Chemical Society, 2017, 139, 8440-8443.	6.6	303
56	High stored energy of metallic glasses induced by high pressure. Applied Physics Letters, 2017, 110, .	1.5	40
57	Significantly Increased Raman Enhancement on MoX₂ (X = S, Se) Monolayers upon Phase Transition. Advanced Functional Materials, 2017, 27, 1606694.	7.8	158
58	Highly Active and Durable Pt₇₂Ru₂₈ Porous Nanoalloy Assembled with Subâ€4.0 nm Particles for Methanol Oxidation. Advanced Energy Materials, 2017, 7, 1601593.	10.2	81
59	Vanadium Diselenide Single Crystals: Van der Waals Epitaxial Growth of 2D Metallic Vanadium Diselenide Single Crystals and their Extraâ€High Electrical Conductivity (Adv. Mater. 37/2017). Advanced Materials, 2017, 29, .	11.1	26
60	Two-dimensional metallic tantalum disulfide as a hydrogen evolution catalyst. Nature Communications, 2017, 8, 958.	5.8	191
61	Optical properties of Mn²⁺ doped cesium lead halide perovskite nanocrystals via a cationâ€“anion co-substitution exchange reaction. Journal of Materials Chemistry C, 2017, 5, 9281-9287.	2.7	76
62	Unusual Spinel-to-Layered Transformation in LiMn₂O₄ Cathode Explained by Electrochemical and Thermal Stability Investigation. ACS Applied Materials & Interfaces, 2017, 9, 35463-35475.	4.0	90
63	Metallic Vanadium Disulfide Nanosheets as a Platform Material for Multifunctional Electrode Applications. Nano Letters, 2017, 17, 4908-4916.	4.5	230
64	Van der Waals Epitaxial Growth of 2D Metallic Vanadium Diselenide Single Crystals and their Extraâ€High Electrical Conductivity. Advanced Materials, 2017, 29, 1702359.	11.1	191
65	Edge Epitaxy of Two-Dimensional MoSe₂ and MoS₂ Nanosheets on One-Dimensional Nanowires. Journal of the American Chemical Society, 2017, 139, 8653-8660.	6.6	118
66	Surface evolution of a Ptâ€“Pdâ€“Au electrocatalyst for stable oxygen reduction. Nature Energy, 2017, 2, .	19.8	302
67	One-step synthesis of van der Waals heterostructures of graphene and two-dimensional superconducting Î±â^'Mo2C. Physical Review B, 2017, 95, .	1.1	49
68	C/L-band emission of InAs QDs monolithically grown on Ge substrate. Optical Materials Express, 2017, 7, 2955.	1.6	12
69	C/L-band emission of InAs QDs monolithically grown on Ge platform. , 2017, , .		0
70	Temperatureâ€Mediated Selective Growth of MoS₂/WS₂ and WS₂/MoS₂ Vertical Stacks on Au Foils for Direct Photocatalytic Applications. Advanced Materials, 2016, 28, 10664-10672.	11.1	188
71	High-Performance Anode Material Sr₂FeMo_{0.65}Ni_{0.35}O_{6â^'Î´} with In Situ Exsolved Nanoparticle Catalyst. ACS Nano, 2016, 10, 8660-8669.	7.3	287
72	Tracking the morphology evolution of nano-lead electrodeposits on the internal surface of porous carbon and its influence on lead-carbon batteries. Electrochimica Acta, 2016, 222, 376-384.	2.6	39

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73	Submonolayered Ru Deposited on Ultrathin Pd Nanosheets used for Enhanced Catalytic Applications. Advanced Materials, 2016, 28, 10282-10286.	11.1	148
74	Manganous oxide nanoparticles encapsulated in few-layer carbon as an efficient electrocatalyst for oxygen reduction in alkaline media. Journal of Materials Chemistry A, 2016, 4, 11775-11781.	5.2	27
75	Tuning Pt-skin to Ni-rich surface of Pt3Ni catalysts supported on porous carbon for enhanced oxygen reduction reaction and formic electro-oxidation. Nano Energy, 2016, 19, 198-209.	8.2	94