

Ming Gong

List of Publications by Year in descending order

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59
papers

15,072
citations

109321

35
h-index

114465

63
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68
all docs

68
docs citations

68
times ranked

18576
citing authors

#	ARTICLE	IF	CITATIONS
1	An Advanced Ni-Fe Layered Double Hydroxide Electrocatalyst for Water Oxidation. <i>Journal of the American Chemical Society</i> , 2013, 135, 8452-8455.	13.7	2,498
2	An ultrafast rechargeable aluminium-ion battery. <i>Nature</i> , 2015, 520, 324-328.	27.8	1,970
3	Nanoscale nickel oxide/nickel heterostructures for active hydrogen evolution electrocatalysis. <i>Nature Communications</i> , 2014, 5, 4695.	12.8	1,413
4	A mini review of NiFe-based materials as highly active oxygen evolution reaction electrocatalysts. <i>Nano Research</i> , 2015, 8, 23-39.	10.4	1,201
5	Advanced zinc-air batteries based on high-performance hybrid electrocatalysts. <i>Nature Communications</i> , 2013, 4, 1805.	12.8	976
6	Highly Active and Stable Hybrid Catalyst of Cobalt-Doped FeS ₂ Nanosheets-Carbon Nanotubes for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 1587-1592.	13.7	800
7	A mini review on nickel-based electrocatalysts for alkaline hydrogen evolution reaction. <i>Nano Research</i> , 2016, 9, 28-46.	10.4	773
8	Oxygen Reduction Electrocatalyst Based on Strongly Coupled Cobalt Oxide Nanocrystals and Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2012, 134, 15849-15857.	13.7	747
9	High-Performance Silicon Photoanodes Passivated with Ultrathin Nickel Films for Water Oxidation. <i>Science</i> , 2013, 342, 836-840.	12.6	630
10	Advanced rechargeable aluminium ion battery with a high-quality natural graphite cathode. <i>Nature Communications</i> , 2017, 8, 14283.	12.8	453
11	An ultrafast nickel-iron battery from strongly coupled inorganic nanoparticle/nanocarbon hybrid materials. <i>Nature Communications</i> , 2012, 3, 917.	12.8	347
12	3D Graphitic Foams Derived from Chloroaluminate Anion Intercalation for Ultrafast Aluminum-Ion Battery. <i>Advanced Materials</i> , 2016, 28, 9218-9222.	21.0	302
13	Atomic-Precision Gold Clusters for NIR-II Imaging. <i>Advanced Materials</i> , 2019, 31, e1901015.	21.0	279
14	Ultrafast high-capacity NiZn battery with NiAlCo-layered double hydroxide. <i>Energy and Environmental Science</i> , 2014, 7, 2025.	30.8	265
15	Reversibly Switching Bilayer Permeability and Release Modules of Photochromic Polymersomes Stabilized by Cooperative Noncovalent Interactions. <i>Journal of the American Chemical Society</i> , 2015, 137, 15262-15275.	13.7	245
16	Covalently Connected Carbon Nanostructures for Current Collectors in Both the Cathode and Anode of Li-S Batteries. <i>Advanced Materials</i> , 2016, 28, 9094-9102.	21.0	184
17	Facile synthesis of mesoporous nitrogen-doped graphene: An efficient methanol-tolerant cathodic catalyst for oxygen reduction reaction. <i>Nano Energy</i> , 2014, 3, 55-63.	16.0	183
18	Blending Cr ₂ O ₃ into a NiO-Ni Electrocatalyst for Sustained Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11989-11993.	13.8	172

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19	Oleylamine-Mediated Shape Evolution of Palladium Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6315-6319.	13.8	152
20	Recognition of Surface Oxygen Intermediates on NiFe Oxyhydroxide Oxygen-Evolving Catalysts by Homogeneous Oxidation Reactivity. <i>Journal of the American Chemical Society</i> , 2021, 143, 1493-1502.	13.7	111
21	Chelating N-Heterocyclic Carbene Ligands Enable Tuning of Electrocatalytic CO ₂ Reduction to Formate and Carbon Monoxide: Surface Organometallic Chemistry. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4981-4985.	13.8	110
22	Deciphering and Suppressing Over-Oxidized Nitrogen in Nickel-Catalyzed Urea Electrolysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26656-26662.	13.8	81
23	Supramolecular Porphyrin Cages Assembled at Molecular Materials Interfaces for Electrocatalytic CO Reduction. <i>ACS Central Science</i> , 2017, 3, 1032-1040.	11.3	65
24	Nickel-coated silicon photocathode for water splitting in alkaline electrolytes. <i>Nano Research</i> , 2015, 8, 1577-1583.	10.4	63
25	Sub-10-nm graphene nanoribbons with atomically smooth edges from squashed carbon nanotubes. <i>Nature Electronics</i> , 2021, 4, 653-663.	26.0	61
26	Interlayer Structure Manipulation of Iron Oxide by Potassium Cation Intercalation to Steer H ₂ O ₂ Activation Pathway. <i>Journal of the American Chemical Society</i> , 2022, 144, 4294-4299.	13.7	52
27	Top-Down Patterning and Self-Assembly for Regular Arrays of Semiconducting Single-Walled Carbon Nanotubes. <i>Advanced Materials</i> , 2014, 26, 6151-6156.	21.0	42
28	Amorphous nickel-iron oxides/carbon nanohybrids for an efficient and durable oxygen evolution reaction. <i>Nano Research</i> , 2017, 10, 3629-3637.	10.4	42
29	A review of pulse electrolysis for efficient energy conversion and chemical production. <i>Journal of Energy Chemistry</i> , 2021, 59, 69-82.	12.9	42
30	Chelating N-Heterocyclic Carbene Ligands Enable Tuning of Electrocatalytic CO ₂ Reduction to Formate and Carbon Monoxide: Surface Organometallic Chemistry. <i>Angewandte Chemie</i> , 2018, 130, 5075-5079.	2.0	39
31	Plasmonic micro-beads for fluorescence enhanced, multiplexed protein detection with flow cytometry. <i>Chemical Science</i> , 2014, 5, 4070-4075.	7.4	38
32	Steering the Glycerol Electro-Reforming Selectivity via Cation-Intermediate Interactions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	37
33	Overcoming the Coupling Dilemma in DNA-Programmable Nanoparticle Assemblies by Ag ⁺ Soldering. <i>Small</i> , 2015, 11, 2247-2251.	10.0	36
34	Graphene Nanoribbons Under Mechanical Strain. <i>Advanced Materials</i> , 2015, 27, 303-309.	21.0	36
35	Pd nanocrystals with single-, double-, and triple-cavities: facile synthesis and tunable plasmonic properties. <i>Chemical Science</i> , 2011, 2, 2392.	7.4	35
36	Dry Sintering Meets Wet Silver Ion Soldering: Charge-Transfer Plasmon Engineering of Solution-Assembled Gold Nanodimers From Visible to Near-Infrared...I and II...Regions. <i>Angewandte Chemie International Edition</i> , 2016, 55, 14296-14300.	3.8	34

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37	Visible to Near-Infrared Fluorescence Enhanced Cellular Imaging on Plasmonic Gold Chips. <i>Small</i> , 2016, 12, 457-465.	10.0	33
38	Flash-preparation of strongly coupled metal nanoparticle clusters with sub-nm gaps by Ag ⁺ sintering: toward effective plasmonic tuning of solution-assembled nanomaterials. <i>Chemical Science</i> , 2016, 7, 5435-5440.	7.4	33
39	Multiplexed Anti-Toxoplasma IgG, IgM, and IgA Assay on Plasmonic Gold Chips: towards Making Mass Screening Possible with Dye Test Precision. <i>Journal of Clinical Microbiology</i> , 2016, 54, 1726-1733.	3.9	29
40	An Integrated Peptide-Antigen Microarray on Plasmonic Gold Films for Sensitive Human Antibody Profiling. <i>PLoS ONE</i> , 2013, 8, e71043.	2.5	27
41	Shape-controlled CuCl crystallite catalysts for aniline coupling. <i>Nano Research</i> , 2010, 3, 174-179.	10.4	26
42	Surface Charge Polarization at the Interface: Enhancing the Oxygen Reduction via Precise Synthesis of Heterogeneous Ultrathin Pt/PtTe Nanowire. <i>Chemistry of Materials</i> , 2016, 28, 8890-8898.	6.7	24
43	Nanosecond-Laser-Based Charge Transfer Plasmon Engineering of Solution-Assembled Nanodimers. <i>Nano Letters</i> , 2018, 18, 7014-7020.	9.1	21
44	Electrochemical Urea Oxidation in Different Environment: From Mechanism to Devices. <i>ChemCatChem</i> , 2022, 14, .	3.7	21
45	Catalyst Design and Progresses for Urea Oxidation Electrolysis in Alkaline Media. <i>Topics in Catalysis</i> , 2021, 64, 532-558.	2.8	19
46	Core solution: a strategy towards gold core/non-gold shell nanoparticles bearing strict DNA-valences for programmable nanoassembly. <i>Chemical Science</i> , 2014, 5, 1015-1020.	7.4	18
47	Deciphering and Suppressing Overoxidized Nitrogen in Nickel-Catalyzed Urea Electrolysis. <i>Angewandte Chemie</i> , 2021, 133, 26860-26866.	2.0	18
48	Caspases cleave and inhibit the microRNA processing protein DiGeorge Critical Region 8. <i>Protein Science</i> , 2012, 21, 797-808.	7.6	13
49	Role of miR-29 in mediating offspring lung phenotype in a rodent model of intrauterine growth restriction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R1017-R1026.	1.8	13
50	Chemically modified nanofoci unifying plasmonics and catalysis. <i>Chemical Science</i> , 2019, 10, 5929-5934.	7.4	13
51	Dihydroxyacetone valorization with high atom efficiency via controlling radical oxidation pathways over natural mineral-inspired catalyst. <i>Nature Communications</i> , 2021, 12, 6840.	12.8	13
52	Dry Sintering Meets Wet Silver Soldering: Charge Transfer Plasmon Engineering of Solution-Assembled Gold Nanodimers From Visible to Near-Infrared...I and II...Regions. <i>Angewandte Chemie</i> , 2016, 128, 14508-14512.	2.0	12
53	Steering the Glycerol Electroreforming Selectivity via Cation-Intermediate Interactions. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	6
54	Carbon Nanostructures: Covalently Connected Carbon Nanostructures for Current Collectors in Both the Cathode and Anode of Li-S Batteries (Adv. Mater. 41/2016). <i>Advanced Materials</i> , 2016, 28, 9016-9016.	21.0	5

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55	Copper-mediated synthesis of Pd ₂ colloidal spheres. <i>Science China Chemistry</i> , 2011, 54, 1027-1031.	8.2	4
56	Semiconductors: A Unique Semiconductor-Metal-Graphene Stack Design to Harness Charge Flow for Photocatalysis (<i>Adv. Mater.</i> 32/2014). <i>Advanced Materials</i> , 2014, 26, 5578-5578.	21.0	4
57	Graphene: Graphene Nanoribbons Under Mechanical Strain (<i>Adv. Mater.</i> 2/2015). <i>Advanced Materials</i> , 2015, 27, 392-392.	21.0	3
58	Reply to Comment on: "Nucleation and Growth of BaF ₂ Cl ₂ Nanorods". <i>Chemistry - A European Journal</i> , 2010, 16, 12528-12528.	3.3	0
59	Innenr��cktitelbild: Deciphering and Suppressing Overoxidized Nitrogen in Nickel-Catalyzed Urea Electrolysis (<i>Angew. Chem.</i> 51/2021). <i>Angewandte Chemie</i> , 2021, 133, 27071-27071.	2.0	0