Jiong Wang

List of Publications by Year in descending order

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44 papers	4,361 citations	168829 31 h-index	286692 43 g-index
45 all docs	45 docs citations	45 times ranked	8267 citing authors

#	Article	IF	Citations
1	Tuning the reversible chemisorption of hydroxyl ions to promote the electrocatalysis on ultrathin metal-organic framework nanosheets. Journal of Energy Chemistry, 2022, 65, 71-77.	7.1	17
2	Insights into Tuning of Moâ€Based Structures toward Enhanced Electrocatalytic Performance of Nitrogenâ€toâ€Ammonia Conversion. Advanced Energy and Sustainability Research, 2022, 3, .	2.8	3
3	Structural Evolution and Underlying Mechanism of Single-Atom Centers on Mo2C(100) Support during Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2021, 13, 17075-17084.	4.0	4
4	Structural tuning of heterogeneous molecular catalysts for electrochemical energy conversion. Science Advances, 2021, 7, .	4.7	48
5	Axial Modification of Cobalt Complexes on Heterogeneous Surface with Enhanced Electron Transfer for Carbon Dioxide Reduction. Angewandte Chemie, 2020, 132, 19324-19329.	1.6	11
6	InnenrÃ¼cktitelbild: Axial Modification of Cobalt Complexes on Heterogeneous Surface with Enhanced Electron Transfer for Carbon Dioxide Reduction (Angew. Chem. 43/2020). Angewandte Chemie, 2020, 132, 19527-19527.	1.6	0
7	Ethylene Selectivity in Electrocatalytic CO₂ Reduction on Cu Nanomaterials: A Crystal Phase-Dependent Study. Journal of the American Chemical Society, 2020, 142, 12760-12766.	6.6	183
8	A new strategy to immobilize molecular Fe sites into a cationic polymer to fabricate an oxygen reduction catalyst. Electrochemistry Communications, 2020, 117, 106781.	2.3	1
9	Unraveling the oxide layer on Mo2C as the active center for hydrogen evolution reaction. Journal of Catalysis, 2020, 389, 461-467.	3.1	38
10	Axial Modification of Cobalt Complexes on Heterogeneous Surface with Enhanced Electron Transfer for Carbon Dioxide Reduction. Angewandte Chemie - International Edition, 2020, 59, 19162-19167.	7.2	64
11	Incorporation of single cobalt active sites onto N-doped graphene for superior conductive membranes in electrochemical filtration. Journal of Membrane Science, 2020, 602, 117966.	4.1	20
12	Investigation of Structural Evolution of SnO 2 Nanosheets towards Electrocatalytic CO 2 Reduction. Chemistry - an Asian Journal, 2020, 15, 1558-1561.	1.7	13
13	Linkage Effect in the Heterogenization of Cobalt Complexes by Doped Graphene for Electrocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2019, 58, 13532-13539.	7.2	143
14	Linkage Effect in the Heterogenization of Cobalt Complexes by Doped Graphene for Electrocatalytic CO₂ Reduction. Angewandte Chemie, 2019, 131, 13666-13673.	1.6	24
15	Boosting Electrochemical CO₂ Reduction on Metalâ€“Organic Frameworks via Ligand Doping. Angewandte Chemie, 2019, 131, 4081-4085.	1.6	66
16	Boosting Electrochemical CO₂ Reduction on Metalâ€“Organic Frameworks via Ligand Doping. Angewandte Chemie - International Edition, 2019, 58, 4041-4045.	7.2	199
17	An essential descriptor for the oxygen evolution reaction on reducible metal oxide surfaces. Chemical Science, 2019, 10, 3340-3345.	3.7	63
18	Multifunctional Piezoelectric Heterostructure of BaTiO₃@Graphene: Decomplexation of Cu-EDTA and Recovery of Cu. Environmental Science & Technology, 2019, 53, 8342-8351.	4.6	70

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19	Efficient Electrochemical Reduction of CO₂ to HCOOH over Subâ€2â€…nm SnO₂ Quantum Wires with Exposed Grain Boundaries. Angewandte Chemie, 2019, 131, 8587-8591.	1.6	38
20	Efficient Electrochemical Reduction of CO₂ to HCOOH over Subâ€2â€…nm SnO₂ Quantum Wires with Exposed Grain Boundaries. Angewandte Chemie - International Edition, 2019, 58, 8499-8503.	7.2	322
21	A Waterâ€Soluble Cu Complex as Molecular Catalyst for Electrocatalytic CO₂ Reduction on Grapheneâ€Based Electrodes. Advanced Energy Materials, 2019, 9, 1803151.	10.2	85
22	In situ formation of molecular Ni-Fe active sites on heteroatom-doped graphene as a heterogeneous electrocatalyst toward oxygen evolution. Science Advances, 2018, 4, eaap7970.	4.7	176
23	Heterogeneous Electrocatalyst with Molecular Cobalt Ions Serving as the Center of Active Sites. Journal of the American Chemical Society, 2017, 139, 1878-1884.	6.6	129
24	Recent Methods for the Synthesis of Noble-Metal-Free Hydrogen-Evolution Electrocatalysts: From Nanoscale to Sub-nanoscale. Small Methods, 2017, 1, 1700118.	4.6	96
25	Hexagonal-Phase Cobalt Monophosphosulfide for Highly Efficient Overall Water Splitting. ACS Nano, 2017, 11, 11031-11040.	7.3	297
26	Highly Efficient and Durable Pd Hydride Nanocubes Embedded in 2D Amorphous NiB Nanosheets for Oxygen Reduction Reaction. Advanced Energy Materials, 2017, 7, 1700919.	10.2	84
27	Design of Efficient Bifunctional Oxygen Reduction/Evolution Electrocatalyst: Recent Advances and Perspectives. Advanced Energy Materials, 2017, 7, 1700544.	10.2	593
28	Highly Efficient Oxygen Reduction Electrocatalyst Derived from a New Three-Dimensional PolyPorphyrin. ACS Applied Materials & Interfaces, 2016, 8, 25875-25880.	4.0	36
29	A simple way to fine tune the redox potentials of cobalt ions encapsulated in nitrogen doped graphene molecular catalysts for the oxygen evolution reaction. Chemical Communications, 2016, 52, 13409-13412.	2.2	11
30	Exploration of the Copper Active Sites in Electrooxidation of Glucose on a Copper/Nitrogen Doped Graphene Nanocomposite. Journal of Physical Chemistry C, 2016, 120, 15593-15599.	1.5	17
31	Hot Electron of Au Nanorods Activates the Electrocatalysis of Hydrogen Evolution on MoS₂ Nanosheets. Journal of the American Chemical Society, 2015, 137, 7365-7370.	6.6	556
32	Hollow Coreâ€“Shell Structured Niâ€“Sn@C Nanoparticles: A Novel Electrocatalyst for the Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2015, 7, 9098-9102.	4.0	71
33	Ultrasensitive Protein Concentration Detection on a Micro/Nanofluidic Enrichment Chip Using Fluorescence Quenching. ACS Applied Materials & Interfaces, 2015, 7, 6835-6841.	4.0	25
34	The room temperature electrochemical synthesis of N-doped graphene and its electrocatalytic activity for oxygen reduction. Chemical Communications, 2015, 51, 1198-1201.	2.2	57
35	Hybrids of gold nanoparticles highly dispersed on graphene for the oxygen reduction reaction. Electrochemistry Communications, 2014, 38, 82-85.	2.3	39
36	Bioinspired copper catalyst effective for both reduction and evolution of oxygen. Nature Communications, 2014, 5, 5285.	5.8	202

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37	Low-loading cobalt coupled with nitrogen-doped porous graphene as excellent electrocatalyst for oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 9079.	5.2	61
38	A rapid and sensitive method for hydroxyl radical detection on a microfluidic chip using an N-doped porous carbon nanofiber modified pencil graphite electrode. Analyst, The, 2014, 139, 3416.	1.7	32
39	Ice crystals growth driving assembly of porous nitrogen-doped graphene for catalyzing oxygen reduction probed by in situ fluorescence electrochemistry. Scientific Reports, 2014, 4, 6723.	1.6	33
40	A green approach to the synthesis of novel â€œDesert rose stoneâ€•like nanobiocatalytic system with excellent enzyme activity and stability. Scientific Reports, 2014, 4, 6606.	1.6	36
41	Synthesis of a hydrophilic poly-l-lysine/graphene hybrid through multiple non-covalent interactions for biosensors. Journal of Materials Chemistry B, 2013, 1, 1406.	2.9	62
42	Synthesis of nitrogen doped graphene with high electrocatalytic activity toward oxygen reduction reaction. Electrochemistry Communications, 2013, 28, 24-26.	2.3	214
43	Immobilization and catalytic activity of horseradish peroxidase on molybdenum disulfide nanosheets modified electrode. Electrochemistry Communications, 2013, 35, 146-148.	2.3	82
44	Greatly improved catalytic activity and direct electron transfer rate of cytochrome C due to the confinement effect in a layered self-assembly structure. Chemical Communications, 2012, 48, 2316.	2.2	40