

Panpan Li

List of Publications by Year in descending order

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51
papers

3,551
citations

218592

26
h-index

189801

50
g-index

53
all docs

53
docs citations

53
times ranked

4089
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogels and Hydrogel-Derived Materials for Energy and Water Sustainability. <i>Chemical Reviews</i> , 2020, 120, 7642-7707.	23.0	646
2	Stretchable All-Gel-State Fiber-Shaped Supercapacitors Enabled by Macromolecularly Interconnected 3D Graphene/Nanostructured Conductive Polymer Hydrogels. <i>Advanced Materials</i> , 2018, 30, e1800124.	11.1	396
3	Understanding the inter-site distance effect in single-atom catalysts for oxygen electroreduction. <i>Nature Catalysis</i> , 2021, 4, 615-622.	16.1	336
4	Metallic Co ₂ P ultrathin nanowires distinguished from CoP as robust electrocatalysts for overall water-splitting. <i>Green Chemistry</i> , 2016, 18, 1459-1464.	4.6	254
5	A single-site iron catalyst with preoccupied active centers that achieves selective ammonia electrosynthesis from nitrate. <i>Energy and Environmental Science</i> , 2021, 14, 3522-3531.	15.6	243
6	Three-dimensional amorphous tungsten-doped nickel phosphide microsphere as an efficient electrocatalyst for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18593-18599.	5.2	109
7	A Surface-Strained and Geometry-Tailored Nanoreactor that Promotes Ammonia Electrosynthesis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22610-22616.	7.2	100
8	Probing Enhanced Site Activity of Co-Fe Bimetallic Subnanoclusters Derived from Dual Cross-Linked Hydrogels for Oxygen Electrocatalysis. <i>ACS Energy Letters</i> , 2019, 4, 1793-1802.	8.8	99
9	A one-step synthesis of Co-P-B/rGO at room temperature with synergistically enhanced electrocatalytic activity in neutral solution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18420-18427.	5.2	96
10	Porous Two-dimensional Iron-Cyano Nanosheets for High-rate Electrochemical Nitrate Reduction. <i>ACS Nano</i> , 2022, 16, 1072-1081.	7.3	89
11	Supramolecular confinement of single Cu atoms in hydrogel frameworks for oxygen reduction electrocatalysis with high atom utilization. <i>Materials Today</i> , 2020, 35, 78-86.	8.3	88
12	Gel Electrocatalysts: An Emerging Material Platform for Electrochemical Energy Conversion. <i>Advanced Materials</i> , 2020, 32, e2003191.	11.1	78
13	Highly Active 3D-Nanoarray-Supported Oxygen-Evolving Electrode Generated From Cobalt-Phytate Nanoplates. <i>Chemistry of Materials</i> , 2016, 28, 153-161.	3.2	69
14	Three-dimensional nanotube-array anode enables a flexible Ni/Zn fibrous battery to ultrafast charge and discharge in seconds. <i>Energy Storage Materials</i> , 2018, 12, 232-240.	9.5	66
15	Enhanced Electrocatalytic Performance for Oxygen Reduction via Active Interfaces of Layer-By-Layered Titanium Nitride/Titanium Carbonitride Structures. <i>Scientific Reports</i> , 2014, 4, 6712.	1.6	59
16	Emerging Electrochemical Techniques for Probing Site Behavior in Single-Atom Electrocatalysts. <i>Accounts of Chemical Research</i> , 2022, 55, 759-769.	7.6	58
17	Enhancing catalytic formaldehyde oxidation on CuO-Ag ₂ O nanowires for gas sensing and hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14736.	5.2	52
18	Recent progress in conductive polymers for advanced fiber-shaped electrochemical energy storage devices. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1140-1163.	3.2	51

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19	A phytic acid etched Ni/Fe nanostructure based flexible network as a high-performance wearable hybrid energy storage device. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3274-3283.	5.2	48
20	Superficial-defect engineered nickel/iron oxide nanocrystals enable high-efficient flexible fiber battery. <i>Energy Storage Materials</i> , 2018, 13, 160-167.	9.5	48
21	Enzyme-Regulated Healable Polymeric Hydrogels. <i>ACS Central Science</i> , 2020, 6, 1507-1522.	5.3	48
22	Confining intermediates within a catalytic nanoreactor facilitates nitrate-to-ammonia electrosynthesis. <i>Applied Catalysis B: Environmental</i> , 2022, 315, 121548.	10.8	44
23	Bioinspired Self-Healing of Kinetically Inert Hydrogels Mediated by Chemical Nutrient Supply. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6471-6478.	4.0	42
24	A Hydrogen-Evolving Hybrid Electrolyte Battery with Electrochemical/Photoelectrochemical Charging from Water Oxidation. <i>ChemSusChem</i> , 2017, 10, 483-488.	3.6	38
25	Transient Healability of Metallosupramolecular Polymer Networks Mediated by Kinetic Control of Competing Chemical Reactions. <i>Macromolecules</i> , 2020, 53, 2856-2863.	2.2	30
26	Self-enhanced electrogenerated chemiluminescence of ruthenium(II) complexes conjugated with Schiff bases. <i>Dalton Transactions</i> , 2015, 44, 2208-2216.	1.6	28
27	Three-dimensional flexible electrode derived from low-cost nickel phytate with improved electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9486-9495.	5.2	28
28	Enhanced electrochemical performance of C-NiO/NiCo ₂ O ₄ /AC asymmetric supercapacitor based on material design and device exploration. <i>Electrochimica Acta</i> , 2019, 296, 335-344.	2.6	27
29	Photoanode-immobilized molecular cobalt-based oxygen-evolving complexes with enhanced solar-to-fuel efficiency. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11228-11233.	5.2	24
30	Tri-metallic phytate in situ electrodeposited on 3D Ni foam as a highly efficient electrocatalyst for enhanced overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18786-18792.	5.2	24
31	Lab-based investigation of enhanced BTEX attenuation driven by groundwater table fluctuation. <i>Chemosphere</i> , 2017, 169, 678-684.	4.2	23
32	A Surface-Strained and Geometry-Tailored Nanoreactor that Promotes Ammonia Electrosynthesis. <i>Angewandte Chemie</i> , 2020, 132, 22799-22805.	1.6	23
33	Boron- and Iron-Incorporated $\text{Co}(\text{OH})_2$ Ultrathin Nanosheets as an Efficient Oxygen Evolution Catalyst. <i>ChemElectroChem</i> , 2018, 5, 593-597.	1.7	21
34	Interconnecting 3D Conductive Networks with Nanostructured Iron/Iron Oxide Enables a High-Performance Flexible Battery. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57411-57421.	4.0	19
35	Design principles of hydrogen-evolution-suppressing single-atom catalysts for aqueous electrosynthesis. <i>Chem Catalysis</i> , 2022, 2, 1277-1287.	2.9	19
36	Cu@Ag ₂ O nanoparticles grown on a AgCuZn alloy substrate in situ for use as a highly sensitive non-enzymatic glucose sensor. <i>Analytical Methods</i> , 2014, 6, 2215.	1.3	17

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37	Ammonia electrosynthesis on single-atom catalysts: Mechanistic understanding and recent progress. <i>Chemical Physics Reviews</i> , 2021, 2, .	2.6	17
38	Enhanced catalytic performance of ZnO-CoOx electrode generated from electrochemical corrosion of Co-Zn alloy for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2016, 222, 999-1006.	2.6	15
39	A highly sensitive luminescent probe based on Ru(II)-bipyridine complex for Cu ²⁺ , l-Histidine detection and cellular imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 201, 161-169.	2.0	14
40	Dispersive liquid phase micro-extraction of aromatic amines in environmental water samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2010, 90, 1099-1107.	1.8	11
41	Amoeba-inspired reengineering of polymer networks. <i>Green Chemistry</i> , 2021, 23, 2496-2506.	4.6	9
42	Highly Selective and Sensitive Luminescent Turn-Off Probe for Pyrophosphate Detection in Aqueous Solution. <i>ChemistrySelect</i> , 2018, 3, 10057-10063.	0.7	8
43	Comprehensive insights into the organic fractions on solid-liquid separation performance of anaerobic digestates from food waste. <i>Science of the Total Environment</i> , 2021, 800, 149608.	3.9	8
44	Systems Chemistry in Self-Healing Materials. <i>ChemSystemsChem</i> , 2021, 3, e2100016.	1.1	6
45	Lithiated interface of Pt/TiO ₂ enables an efficient wire-shaped Zn-Air solar micro-battery. <i>Chemical Communications</i> , 2022, 58, 5988-5991.	2.2	5
46	Non-oxidative Propane Dehydrogenation over Vanadium Doped Graphitic Carbon Nitride Catalysts. <i>Catalysis Letters</i> , 2023, 153, 1120-1129.	1.4	5
47	Preparing porous Cu/Pd electrode on nickel foam using hydrogen bubbles dynamic template for high-efficiency and high-stability removal of nitrate from water. <i>Environmental Science and Pollution Research</i> , 2022, 29, 57629-57643.	2.7	4
48	Feedback-controlled topological reconfiguration of molecular assemblies for programming supramolecular structures. <i>Soft Matter</i> , 2022, 18, 3856-3866.	1.2	4
49	The structure and properties of electroless Ni-Mo-Cr-P coatings on copper alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2013, 64, 341-346.	0.8	3
50	Enhanced dewaterability of waste-activated sludge with zero-valent iron-activated persulfate oxidation under mild hydrothermal conditions. <i>Water Science and Technology</i> , 2022, 85, 851-861.	1.2	2
51	Årktitelbild: A Surface-Strained and Geometry-Tailored Nanoreactor that Promotes Ammonia Electrosynthesis (<i>Angew. Chem.</i> 50/2020). <i>Angewandte Chemie</i> , 2020, 132, 22992-22992.	1.6	0