

Yao Wang

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

1,856
citations

236925

25
h-index

302126

39
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81
all docs

81
docs citations

81
times ranked

1704
citing authors

#	ARTICLE	IF	CITATIONS
1	IL-6 induced enhanced clearance of proANP and ANP by insulin-degrading enzyme in T1DM mice. <i>Biochemistry and Cell Biology</i> , 2022, 100, 37-44.	2.0	1
2	Analysis of the Effect of Porosity in Concrete under Compression Based on DIP Technology. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	10
3	Fiber based organic electrochemical transistor integrated with molecularly imprinted membrane for uric acid detection. <i>Talanta</i> , 2022, 238, 123055.	5.5	17
4	Catalytic hairpin assembled polymeric tetrahedral DNA frameworks for MicroRNA imaging in live cells. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113783.	10.1	12
5	Robust <i>in situ</i> exsolved nanocatalysts on perovskite oxide as an efficient anode for hydrocarbon fueled solid oxide fuel cells. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1373-1381.	4.9	7
6	A highly active and stable Sr ₂ Fe _{1.5} Mo _{0.5} O _{6-δ} -Ce _{0.8} Sm _{0.2} O _{1.95} ceramic fuel electrode for efficient hydrogen production via a steam electrolyzer without safe gas. <i>International Journal of Coal Science and Technology</i> , 2022, 9, 1.	6.0	6
7	Role of <i>lncRNAs</i> in <i>cis</i> - and <i>trans</i> -regulatory responses to salt in <i>Populus trichocarpa</i> . <i>Plant Journal</i> , 2022, 110, 978-993.	5.7	26
8	Advanced Ru ϵ -infiltrated Perovskite Oxide Electrodes for Boosting the Performance of Syngas Fueled Solid Oxide Fuel Cell. <i>ChemElectroChem</i> , 2022, 9, .	3.4	6
9	Co-generation of liquid chemicals and electricity over Co-Fe alloy/perovskite anode catalyst in a propane fueled solid oxide fuel cell. <i>Separation and Purification Technology</i> , 2022, 291, 120890.	7.9	15
10	Robust Ruddlesden-Popper phase Sr ₃ Fe _{1.3} Mo _{0.5} N _{0.2} O _{7δ} decorated with <i>in situ</i> exsolved Ni nanoparticles as an efficient anode for hydrocarbon fueled solid oxide fuel cells. <i>SusMat</i> , 2022, 2, 487-501.	14.9	18
11	A novel multimeric <i>sCD19</i> streptavidin fusion protein for functional detection and selective expansion of <i>CD19</i> targeted <i>CAR</i> cells. <i>Cancer Medicine</i> , 2022, 11, 2978-2989.	2.8	2
12	Mesoscale fracture analysis of recycled aggregate concrete based on digital image processing technique. <i>Structural Concrete</i> , 2021, 22, E33.	3.1	16
13	Understanding the A-site non-stoichiometry in perovskites: promotion of exsolution of metallic nanoparticles and the hydrogen oxidation reaction in solid oxide fuel cells. <i>Sustainable Energy and Fuels</i> , 2021, 5, 401-411.	4.9	26
14	Trace element contamination in urban topsoil in China during 2000-2009 and 2010-2019: Pollution assessment and spatiotemporal analysis. <i>Science of the Total Environment</i> , 2021, 758, 143647.	8.0	31
15	Enhancing performance of molybdenum doped strontium ferrite electrode by surface modification through Ni infiltration. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 10876-10891.	7.1	23
16	Chalcogen... Bonding Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9395-9400.	13.8	42
17	SGPNet: A Three-Dimensional Multitask Residual Framework for Segmentation and IDH Genotype Prediction of Gliomas. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-9.	1.7	4
18	Hypoglycemic and Hypolipidemic Activity of <i>Polygonatum sibiricum</i> Fermented with <i>Lactobacillus brevis</i> YM 1301 in Diabetic C57BL/6 Mice. <i>Journal of Medicinal Food</i> , 2021, 24, 720-731.	1.5	14

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19	Transformable Helical Self-Assembly for Cancerous Golgi Apparatus Disruption. <i>Nano Letters</i> , 2021, 21, 8455-8465.	9.1	22
20	Catalysis with Supramolecular Carbon-Bonding Interactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22717-22721.	13.8	13
21	Biotinylated subunit of 3-methylcrotonyl-CoA carboxylase encoding gene (AtMCCA) participating in Arabidopsis resistance to carbonate Stress by transcriptome analysis. <i>Plant Science</i> , 2021, 315, 111130.	3.6	1
22	DNA Logic Nanodevices for Real-Time Monitoring of ATP in Lysosomes. <i>Analytical Chemistry</i> , 2021, 93, 15331-15339.	6.5	10
23	Self-Targeting Carbon Quantum Dots for Peroxynitrite Detection and Imaging in Live Cells. <i>Analytical Chemistry</i> , 2021, 93, 16466-16473.	6.5	32
24	Direct Use of Unprotected Aliphatic Amines to Generate N-Heterocycles via $\hat{\text{I}}^2\text{-C}^{\text{H}}$ Malonylation with Iodonium Ylide. <i>Organic Letters</i> , 2020, 22, 230-233.	4.6	9
25	Robust redox-reversible perovskite type steam electrolyser electrode decorated with <i>in situ</i> exsolved metallic nanoparticles. <i>Journal of Materials Chemistry A</i> , 2020, 8, 582-591.	10.3	47
26	High-Level Production of a Thermostable Mutant of <i>Yarrowia lipolytica</i> Lipase 2 in <i>Pichia pastoris</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 279.	4.1	36
27	Base force element method based on the complementary energy principle for the damage analysis of recycled aggregate concrete. <i>International Journal for Numerical Methods in Engineering</i> , 2020, 121, 1484-1506.	2.8	17
28	Pr and Mo Co-doped $\text{SrFeO}_{3-\delta}$ as an Efficient Cathode for Pure CO_2 Reduction Reaction in a Solid Oxide Electrolysis Cell. <i>Energy Technology</i> , 2020, 8, 2000539.	3.8	7
29	An Improved MOEA/D Algorithm for the Carbon Black Production Line Static and Dynamic Multiobjective Scheduling Problem. , 2020, , .		1
30	Biotin plays an important role in Arabidopsis thaliana seedlings under carbonate stress. <i>Plant Science</i> , 2020, 300, 110639.	3.6	11
31	3D Compressed Convolutional Neural Network Differentiates Neuromyelitis Optical Spectrum Disorders From Multiple Sclerosis Using Automated White Matter Hyperintensities Segmentations. <i>Frontiers in Physiology</i> , 2020, 11, 612928.	2.8	8
32	Preparation and characterization of a redox-stable $\text{Pr}_{0.4}\text{Sr}_{0.6}\text{Fe}_{0.875}\text{Mo}_{0.125}\text{O}_{3-\delta}$ material as a novel symmetrical electrode for solid oxide cell application. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 21825-21835.	7.1	22
33	Growth of Carbonaceous Nanoparticles on Steel Fiber from Candle Flame for the Long-Term Preservation of Ultratrace Mercury by Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2020, 92, 9583-9590.	6.5	18
34	An Efficient v -Minimum Absolute Deviation Distribution Regression Machine. <i>IEEE Access</i> , 2020, 8, 85533-85551.	4.2	3
35	A Data-Driven Multiobjective Dynamic Robust Modeling and Operation Optimization for Continuous Annealing Production Process. <i>ISIJ International</i> , 2020, 60, 1225-1236.	1.4	3
36	Purification, biochemical and secondary structural characterisation of $\hat{\text{I}}^2$ -mannanase from <i>Lactobacillus casei</i> HDS-01 and juice clarification potential. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 826-834.	7.5	18

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37	Microbial characteristics of culturable fungi and bacteria in aerosol particles of a coastal region. <i>Aerobiologia</i> , 2020, 36, 507-525.	1.7	5
38	Anti-sintering Pt Particles Confined in Short Ordered Mesoporous Carbon with Rapid Mass Transport for Superior and Robust Oxygen Reduction. <i>ChemCatChem</i> , 2020, 12, 1958-1962.	3.7	8
39	In-situ exsolution of nanoparticles from Ni substituted Sr ₂ Fe _{1.5} Mo _{0.5} O ₆ perovskite oxides with different Ni doping contents. <i>Electrochimica Acta</i> , 2020, 348, 136351.	5.2	73
40	Phased evolution and variation of the South Asian monsoon, and resulting weathering and surface erosion in the Himalaya-Karakoram Mountains, since late Pliocene time using data from Arabian Sea core. <i>Geological Magazine</i> , 2020, 157, 864-878.	1.5	9
41	Performance and distribution of relaxation times analysis of Ruddlesden-Popper oxide Sr ₃ Fe _{1.3} Co _{0.2} Mo _{0.5} O _{7-δ} as a potential cathode for protonic solid oxide fuel cells. <i>Electrochimica Acta</i> , 2020, 352, 136444.	5.2	23
42	Cancer genotypes prediction and associations analysis from imaging phenotypes: a survey on radiogenomics. <i>Biomarkers in Medicine</i> , 2020, 14, 1151-1164.	1.4	3
43	Impacts of climate warming, cultivar shifts, and phenological dates on rice growth period length in China after correction for seasonal shift effects. <i>Climatic Change</i> , 2019, 155, 127-143.	3.6	28
44	Thermal Stability of an in Situ Exsolved Metallic Nanoparticle Structured Perovskite Type Hydrogen Electrode for Solid Oxide Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17834-17844.	6.7	50
45	Chalcogen-Chalcogen Bonding Catalysis Enables Assembly of Discrete Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 9175-9179.	13.7	137
46	A robust solid oxide electrolyzer for highly efficient electrochemical reforming of methane and steam. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13550-13558.	10.3	58
47	Mesomechanical properties of concrete with different shapes and replacement ratios of recycled aggregate based on base force element method. <i>Structural Concrete</i> , 2019, 20, 1425-1437.	3.1	28
48	The response surface optimization of α -mannanase produced by <i>Lactobacillus casei</i> HDS-01 and its potential in juice clarification. <i>Preparative Biochemistry and Biotechnology</i> , 2019, 49, 202-207.	1.9	11
49	Improvement of output performance of solid oxide fuel cell by optimizing the active anode functional layer. <i>Electrochimica Acta</i> , 2019, 298, 112-120.	5.2	51
50	Construction of N-Heterocycles through Cyclization of Tertiary Amines. <i>Chemistry - A European Journal</i> , 2019, 25, 2423-2441.	3.3	50
51	Direct Cyclization of Tertiary Aryl Amines with Iodonium Ylides. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3792-3796.	13.8	32
52	In-situ growth of metallic nanoparticles on perovskite parent as a hydrogen electrode for solid oxide cells. <i>Journal of Power Sources</i> , 2018, 405, 114-123.	7.8	45
53	Robust Freeze-Cast Bilayer Dual-Phase Oxygen Transport Membrane Targeting Chemical Reactor Application. <i>ACS Applied Nano Materials</i> , 2018, 1, 3774-3778.	5.0	13
54	Genetic and serological identification of three <i>Vibrio parahaemolyticus</i> strains as candidates for novel provisional O serotypes. <i>International Journal of Food Microbiology</i> , 2017, 245, 53-58.	4.7	22

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55	Methane assisted solid oxide co-electrolysis process for syngas production. <i>Journal of Power Sources</i> , 2017, 344, 119-127.	7.8	25
56	Enhanced water desalination performance through hierarchically-structured ceramic membranes. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2431-2438.	5.7	30
57	Ni infiltrated Sr ₂ Fe _{1.5} Mo _{0.5} O _{6-δ} -Ce _{0.8} Sm _{0.2} O _{1.9} electrode for methane assisted steam electrolysis process. <i>Electrochemistry Communications</i> , 2017, 79, 63-67.	4.7	30
58	High temperature solid oxide H ₂ O/CO ₂ co-electrolysis for syngas production. <i>Fuel Processing Technology</i> , 2017, 161, 248-258.	7.2	95
59	Optimal stress and deformation partition in gradient materials for better strength and tensile ductility: A numerical investigation. <i>Scientific Reports</i> , 2017, 7, 10954.	3.3	38
60	A Highly-Performed, Dual-Layered Cathode Supported Solid Oxide Electrolysis Cell for Efficient CO ₂ Electrolysis Fabricated by Phase Inversion Co-Tape Casting Method. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1130-F1135.	2.9	20
61	Bifurcation analysis and operation region estimation of current-mode-controlled SIDO boost converter. <i>IET Power Electronics</i> , 2017, 10, 846-853.	2.1	24
62	Aspheric optical surface profiling based on laser scanning and auto-collimation. <i>Review of Scientific Instruments</i> , 2017, 88, 113106.	1.3	2
63	The role of starvation in biomass harvesting and lipid accumulation: Co-culture of microalgae and bacteria in synthetic wastewater. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 103-109.	2.3	18
64	Efficient syngas generation for electricity storage through carbon gasification assisted solid oxide co-electrolysis. <i>Applied Energy</i> , 2016, 173, 52-58.	10.1	36
65	Synergistic effect and mechanisms of compound bioflocculant and AlCl ₃ salts on enhancing <i>Chlorella regularis</i> harvesting. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 5653-5660.	3.6	19
66	A dual-phase bilayer oxygen permeable membrane with hierarchically porous structure fabricated by freeze-drying tape-casting method. <i>Journal of Membrane Science</i> , 2016, 520, 354-363.	8.2	27
67	Syngas production on a symmetrical solid oxide H ₂ O/CO ₂ co-electrolysis cell with Sr ₂ Fe _{1.5} Mo _{0.5} O _{6-δ} -Sm _{0.2} Ce _{0.8} O _{1.9} electrodes. <i>Journal of Power Sources</i> , 2016, 305, 240-248.	7.8	90
68	Steam electrolysis in a solid oxide electrolysis cell fabricated by the phase-inversion tape casting method. <i>Electrochemistry Communications</i> , 2015, 61, 106-109.	4.7	62
69	Lethal and Sublethal Effects of Cantharidin on Development and Reproduction of <i>Plutella xylostella</i> (Lepidoptera: Plutellidae). <i>Journal of Economic Entomology</i> , 2015, 108, 1054-1064.	1.8	23
70	High-Power Highly Linear-Polarized Nanosecond All-Fiber MOPA at 2040 nm. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 986-989.	2.5	8
71	Application of Base Force Element Method to Mesomechanics Analysis for Concrete. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-11.	1.1	4
72	Enhancing the Oxygen Permeation Rate of Zr _{0.84} Y _{0.16} O _{1.92} -La _{0.8} Sr _{0.2} Cr _{0.5} Fe _{0.5} O _{3-δ} Dual-Phase Hollow Fiber Membrane by Coating with Ce _{0.8} Sm _{0.2} O _{1.9} Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9454-9460.	8.0	29

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73	Applying SEBAL model and P-M formula to estimate forestland evapotranspiration and ecological water consumption of the Banchengzi watershed of China. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	0
74	Electrochemical characteristics of nano-structured PrBaCo ₂ O _{5+x} cathodes fabricated with ion impregnation process. Journal of Power Sources, 2012, 203, 34-41.	7.8	62
75	EFFECT OF ECAP ON THE HIGH-TEMPERATURE COMPRESSIVE DEFORMATION BEHAVIOR OF LY12 ALUMINUM ALLOYS. , 2011, , .		0
76	Preparation and characterization of LaNiO ₃ films grown by metal-organic deposition. Bulletin of Materials Science, 2011, 34, 1379-1383.	1.7	8
77	Growth and structure of NdGaO ₃ films prepared by metal-organic deposition. International Journal of Materials Research, 2010, 101, 349-352.	0.3	1
78	2-(Benzotriazol-1-ylmethylamino)benzoic acid. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o735-o735.	0.2	1
79	Microstructure evolution and mechanical properties of copper/304 stainless-steel joints by low-temperature soldering. International Journal of Modern Physics B, 0, , .	2.0	0
80	The relationships between health risk and special weather conditions according to fungal community characteristics. Aerobiologia, 0, , .	1.7	0