

# 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  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1704  
citing authors



#	ARTICLE	IF	CITATIONS
19	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
20	Enhanced water desalination performance through hierarchically-structured ceramic membranes. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2431-2438.	5.7	30
21	Ni infiltrated Sr <sub>2</sub> Fe <sub>1.5</sub> Mo <sub>0.5</sub> O <sub>6-<math>\delta</math></sub> -Ce <sub>0.8</sub> Sm <sub>0.2</sub> O <sub>1.9</sub> electrode for methane assisted steam electrolysis process. <i>Electrochemistry Communications</i> , 2017, 79, 63-67.	4.7	30
22	Enhancing the Oxygen Permeation Rate of Zr <sub>0.84</sub> Y <sub>0.16</sub> O <sub>1.92</sub> –La <sub>0.8</sub> Sr <sub>0.2</sub> Cr <sub>0.5</sub> Fe <sub>0.5</sub> Dual-Phase Hollow Fiber Membrane by Coating with Ce <sub>0.8</sub> Sm <sub>0.2</sub> O <sub>1.9</sub> Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 9454-9460.	8.0	29
23	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
24	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
25	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
26	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
27	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
28	Methane assisted solid oxide co-electrolysis process for syngas production. <i>Journal of Power Sources</i> , 2017, 344, 119-127.	7.8	25
29	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
30	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
31	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
32	Performance and distribution of relaxation times analysis of Ruddlesden-Popper oxide Sr <sub>3</sub> Fe <sub>1.3</sub> Co <sub>0.2</sub> Mo <sub>0.5</sub> O <sub>7-<math>\delta</math></sub> as a potential cathode for protonic solid oxide fuel cells. <i>Electrochimica Acta</i> , 2020, 352, 136444.	5.2	23
33	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
34	Preparation and characterization of a redox-stable Pr <sub>0.4</sub> Sr <sub>0.6</sub> Fe <sub>0.875</sub> Mo <sub>0.125</sub> O <sub>3-<math>\delta</math></sub> 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
35	Transformable Helical Self-Assembly for Cancerous Golgi Apparatus Disruption. <i>Nano Letters</i> , 2021, 21, 8455-8465.	9.1	22
36	A Highly-Performed, Dual-Layered Cathode Supported Solid Oxide Electrolysis Cell for Efficient CO <sub>2</sub> Electrolysis Fabricated by Phase Inversion Co-Tape Casting Method. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1130-F1135.	2.9	20

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37	Synergistic effect and mechanisms of compound bioflocculant and AlCl <sub>3</sub> salts on enhancing <i>Chlorella regularis</i> harvesting. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 5653-5660.	3.6	19
38	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
39	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
40	Purification, biochemical and secondary structural characterisation of Î <sup>2</sup> -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
41	Robust Ruddlesden-Popper phase Sr <sub>3</sub> Fe <sub>1.3</sub> Mo <sub>0.5</sub> N <sub>0.2</sub> O <sub>7</sub> decorated with in-situ exsolved Ni nanoparticles as an efficient anode for hydrocarbon fueled solid oxide fuel cells. <i>SusMat</i> , 2022, 2, 487-501.	14.9	18
42	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
43	Fiber based organic electrochemical transistor integrated with molecularly imprinted membrane for uric acid detection. <i>Talanta</i> , 2022, 238, 123055.	5.5	17
44	Mesoscale fracture analysis of recycled aggregate concrete based on digital image processing technique. <i>Structural Concrete</i> , 2021, 22, E33.	3.1	16
45	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
46	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
47	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
48	Catalysis with Supramolecular Carbon-Bonding Interactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22717-22721.	13.8	13
49	Catalytic hairpin assembled polymeric tetrahedral DNA frameworks for MicroRNA imaging in live cells. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113783.	10.1	12
50	The response surface optimization of Î <sup>2</sup> -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
51	Biotin plays an important role in <i>Arabidopsis thaliana</i> seedlings under carbonate stress. <i>Plant Science</i> , 2020, 300, 110639.	3.6	11
52	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
53	DNA Logic Nanodevices for Real-Time Monitoring of ATP in Lysosomes. <i>Analytical Chemistry</i> , 2021, 93, 15331-15339.	6.5	10
54	Direct Use of Unprotected Aliphatic Amines to Generate N-Heterocycles via Î <sup>2</sup> -C-H Malonylation with Iodonium Ylide. <i>Organic Letters</i> , 2020, 22, 230-233.	4.6	9

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55	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. Geological Magazine, 2020, 157, 864-878.	1.5	9
56	Preparation and characterization of LaNiO <sub>3</sub> films grown by metal-organic deposition. Bulletin of Materials Science, 2011, 34, 1379-1383.	1.7	8
57	High-Power Highly Linear-Polarized Nanosecond All-Fiber MOPA at 2040 nm. IEEE Photonics Technology Letters, 2015, 27, 986-989.	2.5	8
58	3D Compressed Convolutional Neural Network Differentiates Neuromyelitis Optic Spectrum Disorders From Multiple Sclerosis Using Automated White Matter Hyperintensities Segmentations. Frontiers in Physiology, 2020, 11, 612928.	2.8	8
59	Anti-sintering Pt Particles Confined in Short Ordered Mesoporous Carbon with Rapid Mass Transport for Superior and Robust Oxygen Reduction. ChemCatChem, 2020, 12, 1958-1962.	3.7	8
60	Pr and Mo Co-doped SrFeO <sub>3</sub> as an Efficient Cathode for Pure CO <sub>2</sub> Reduction Reaction in a Solid Oxide Electrolysis Cell. Energy Technology, 2020, 8, 2000539.	3.8	7
61	Robust in situ exsolved nanocatalysts on perovskite oxide as an efficient anode for hydrocarbon fueled solid oxide fuel cells. Sustainable Energy and Fuels, 2022, 6, 1373-1381.	4.9	7
62	A highly active and stable Sr <sub>2</sub> Fe <sub>1.5</sub> Mo <sub>0.5</sub> O <sub>6-<math>\delta</math></sub> -Ce <sub>0.8</sub> Sm <sub>0.2</sub> O <sub>1.95</sub> ceramic fuel electrode for efficient hydrogen production via a steam electrolyzer without safe gas. International Journal of Coal Science and Technology, 2022, 9, 1.	6.0	6
63	Advanced Ru-infiltrated Perovskite Oxide Electrodes for Boosting the Performance of Syngas Fueled Solid Oxide Fuel Cell. ChemElectroChem, 2022, 9, .	3.4	6
64	Microbial characteristics of culturable fungi and bacteria in aerosol particles of a coastal region. Aerobiologia, 2020, 36, 507-525.	1.7	5
65	Application of Base Force Element Method to Mesomechanics Analysis for Concrete. Mathematical Problems in Engineering, 2014, 2014, 1-11.	1.1	4
66	SGPNet: A Three-Dimensional Multitask Residual Framework for Segmentation and IDH Genotype Prediction of Gliomas. Computational Intelligence and Neuroscience, 2021, 2021, 1-9.	1.7	4
67	An Efficient v-Minimum Absolute Deviation Distribution Regression Machine. IEEE Access, 2020, 8, 85533-85551.	4.2	3
68	A Data-Driven Multiobjective Dynamic Robust Modeling and Operation Optimization for Continuous Annealing Production Process. ISIJ International, 2020, 60, 1225-1236.	1.4	3
69	Cancer genotypes prediction and associations analysis from imaging phenotypes: a survey on radiogenomics. Biomarkers in Medicine, 2020, 14, 1151-1164.	1.4	3
70	Aspheric optical surface profiling based on laser scanning and auto-collimation. Review of Scientific Instruments, 2017, 88, 113106.	1.3	2
71	A novel multimeric sCD19- $\sigma$ streptavidin fusion protein for functional detection and selective expansion of sCD19-targeted CAR-T cells. Cancer Medicine, 2022, 11, 2978-2989.	2.8	2
72	Growth and structure of NdGaO <sub>3</sub> films prepared by metal-organic deposition. International Journal of Materials Research, 2010, 101, 349-352.	0.3	1

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73	An Improved MOEA/D Algorithm for the Carbon Black Production Line Static and Dynamic Multiobjective Scheduling Problem. , 2020, , .		1
74	2-(Benzotriazol-1-ylmethylamino)benzoic acid. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o735-o735.	0.2	1
75	IL-6 induced enhanced clearance of proANP and ANP by insulin-degrading enzyme in T1DM mice. Biochemistry and Cell Biology, 2022, 100, 37-44.	2.0	1
76	Biotinylated subunit of 3-methylcrotonyl-CoA carboxylase encoding gene (AtMCCA) participating in Arabidopsis resistance to carbonate Stress by transcriptome analysis. Plant Science, 2021, 315, 111130.	3.6	1
77	EFFECT OF ECAP ON THE HIGH-TEMPERATURE COMPRESSIVE DEFORMATION BEHAVIOR OF LY12 ALUMINUM ALLOYS. , 2011, , .		0
78	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
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