Yong Chen

List of Publications by Year
in descending order

104 papers	6,283 citations	218677 26 h-index	69250 77 g-index
107 all docs	107 docs citations	107 times ranked	8546 citing authors

#	Article	IF	Citations
1	Thermal behaviors and kinetics for cellulose pyrolysis using CexZr1â^'x-T catalysts. Biomass Conversion and Biorefinery, 2024, 14, 4041-4053.	4.6	0
2	Defect Engineering of Carbons for Energy Conversion and Storage Applications. Energy and Environmental Materials, 2023, 6, .	12.8	28
3	Pyrolysis of long chain hydrocarbon-based plastics via self-exothermic effects: The origin and influential factors of exothermic processes. Journal of Hazardous Materials, 2022, 424, 127476.	12.4	4
4	Relieving the Reaction Heterogeneity at the Subparticle Scale in Ni-Rich Cathode Materials with Boosted Cyclability. ACS Applied Materials & Interfaces, 2022, 14, 6729-6739.	8.0	4
5	A Look-Up Table Based Fractional Order Composite Controller Synthesis Method for the PMSM Speed Servo System. Fractal and Fractional, 2022, 6, 47.	3.3	9
6	Catalytic Pyrolysis of Polyethylene for the Selective Production of Monocyclic Aromatics over the Zinc-Loaded ZSM-5 Catalyst. ACS Omega, 2022, 7, 2752-2765.	3.5	19
7	Chemical looping gasification using Nickel-containing electroplating sludge and dyeing sludge as oxygen carrier. Waste Management, 2022, 141, 194-201.	7.4	8
8	Magnetically Recyclable Loofah Biochar by KMnO₄ Modification for Adsorption of Cu(II) from Aqueous Solutions. ACS Omega, 2022, 7, 8844-8853.	3.5	17
9	Automated retinal layer segmentation in optical coherence tomography images with intraretinal fluid. Journal of Innovative Optical Health Sciences, 2022, 15, .	1.0	1
10	Fabrication of Single-Particle Microelectrodes and Their Electrochemical Properties. ACS Applied Materials & Interfaces, 2022, 14, 20981-20987.	8.0	4
11	Application of three-electrode technology in Li4Ti5O12 electrochemical oscillation system. Journal of Electroanalytical Chemistry, 2022, 918, 116494.	3.8	1
12	Multi-dimensional graded electrodes with enhanced capacitance and superior cyclic stability. Journal of Power Sources, 2021, 481, 228911.	7.8	10
13	A review of charge storage in porous carbon-based supercapacitors. New Carbon Materials, 2021, 36, 49-68.	6.1	152
14	Renewable biomassâ€derived carbons for electrochemical capacitor applications. SusMat, 2021, 1, 211-240.	14.9	98
15	Surface Roughness-Governed Shape Stability of the Coal Fly Ash-Based Phase Change Material: Molten Salt Processing and Thermal Properties. Energies, 2021, 14, 1427.	3.1	0
16	Deep Transfer Learning Method Based on 1D-CNN for Bearing Fault Diagnosis. Shock and Vibration, 2021, 2021, 1-16.	0.6	20
17	Effects of Various Elements Doping on LiNi_{0.6}Co_{0.2}Mn_{0.2}O₂ Layered Materials for Lithiumâ€ion Batteries. Energy Technology, 2021, 9, 2100074.	3.8	7
18	Catalytic fast pyrolysis of waste mixed cloth for the production of value-added chemicals. Waste Management, 2021, 127, 141-146.	7.4	9

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19	Electrochemical Oscillation during Galvanostatic Charging of LiCrTiO4 in Li-Ion Batteries. Materials, 2021, 14, 3624.	2.9	3
20	Preparation of LiFePO4 Powders by Ultrasonic Spray Drying Method and Their Memory Effect. Materials, 2021, 14, 3193.	2.9	5
21	Uniform Zn Deposition Achieved by Conductive Carbon Additive for Zn Anode in Zincâ€Ion Hybrid Supercapacitors. Energy Technology, 2021, 9, 2100297.	3.8	13
22	Electrochemical Oscillation during the Galvanostatic Charging of Li₄Ti₅O₁₂ in Li-Ion Batteries. Journal of Physical Chemistry C, 2021, 125, 14549-14558.	3.1	6
23	Graphene as regulating zinc deposition layer for long-life zinc ion hybrid supercapacitors. Journal of Energy Storage, 2021, 42, 103037.	8.1	25
24	Insight into the role of varied acid-base sites on fast pyrolysis kinetics and mechanism of cellulose. Waste Management, 2021, 135, 140-149.	7.4	10
25	Cathode/gel polymer electrolyte integration design based on continuous composition and preparation technique for high performance lithium ion batteries. RSC Advances, 2021, 11, 3854-3862.	3.6	10
26	Understanding the interlayer rearrangement toward enhanced lithium storage for LiBC anode. Chemical Communications, 2021, 57, 12492-12495.	4.1	1
27	Binder-Free Thin-Film Electrode Fabricated by Spray Drying Method: A Case of LiFePO4. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, .	2.1	2
28	Synthesis, Characterization, and Dye Removal of ZnCl₂-Modified Biochar Derived from Pulp and Paper Sludge. ACS Omega, 2021, 6, 34712-34723.	3.5	23
29	Improved cycling stability of LiNi0.6Co0.2Mn0.2O2 through microstructure consolidation by TiO2 coating for Li-ion batteries. Journal of Power Sources, 2020, 448, 227439.	7.8	56
30	The promotion of phase transitions for Ni-based layered cathode towards enhanced high-voltage cycle stability. Journal of Power Sources, 2020, 477, 228699.	7.8	20
31	Carbon dioxide reduction to multicarbon hydrocarbons and oxygenates on plant moss-derived, metal-free, in situ nitrogen-doped biochar. Science of the Total Environment, 2020, 739, 140340.	8.0	15
32	Effect of the oxygen functional groups of activated carbon on its electrochemical performance for supercapacitors. New Carbon Materials, 2020, 35, 232-243.	6.1	100
33	An environment-friendly crosslinked binder endowing LiFePO₄ electrode with structural integrity and long cycle life performance. RSC Advances, 2020, 10, 29362-29372.	3.6	17
34	Renewable and Metal-Free Carbon Derived from Aquatic Scindapsus Affording Mesoâ€“microporosity, Large Interface, and Enriched Pyridinic-N for Efficient Oxygen Reduction Reaction Catalysis. Energy & Fuels, 2020, 34, 13089-13095.	5.1	9
35	Self-recycling of sewage sludge as a coagulant and mechanism in sewage sludge dewatering. Journal of Material Cycles and Waste Management, 2020, 22, 1867-1876.	3.0	4
36	A flexible Cellulose/Methylcellulose gel polymer electrolyte endowing superior Li+ conducting property for lithium ion battery. Carbohydrate Polymers, 2020, 246, 116622.	10.2	47

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37	MXene-Derived Defect-Rich TiO2@rGO as High-Rate Anodes for Full Na Ion Batteries and Capacitors. Nano-Micro Letters, 2020, 12, 128.	27.0	93
38	Building nickel-rich cathodes with large concentration gradient for high performance lithium-ion batteries. Journal of Power Sources, 2020, 468, 228405.	7.8	17
39	Voltage control of millimeter-wave ferromagnetic resonance in multiferroic heterostructures thin films. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126639.	2.1	2
40	Reversible Al-Site Switching and Consequent Memory Effect of Al-Doped Li4Ti5O12 in Li-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 17415-17423.	8.0	11
41	Radially Microstructural Design of LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ Cathode Material toward Long-Term Cyclability and High Rate Capability at High Voltage. ACS Applied Energy Materials, 2020, 3, 6657-6669.	5.1	26
42	Uniform Near-Spherical Nanoscale Silver Films for Surface-Enhanced Raman Spectroscopy Sensing. ACS Applied Nano Materials, 2020, 3, 2008-2015.	5.0	4
43	High-Temperature Treatment to Improve the Capacity of LiBC Anode Material in Li-ion Battery. Frontiers in Energy Research, 2020, 8, .	2.3	2
44	Artefact peaks of pore size distributions caused by unclosed sorption isotherm and tensile strength effect. Adsorption, 2020, 26, 633-644.	3.0	27
45	Efficient optimization of nickel-cerium interface by constructing ethylene glycol ligand environment for fast water oxidation reaction kinetics. Science China Materials, 2020, 63, 1731-1740.	6.3	5
46	Electrode structural changes and their effects on capacitance performance during preparation and charge-discharge processes. Journal of Energy Storage, 2019, 24, 100799.	8.1	11
47	Biomass-Tar-Enabled Nitrogen-Doped Highly Ultramicroporous Carbon as an Efficient Absorbent for CO₂ Capture. Energy & Fuels, 2019, 33, 8927-8936.	5.1	19
48	A novel sewage sludge biochar and ferrate synergetic conditioning for enhancing sludge dewaterability. Chemosphere, 2019, 237, 124339.	8.2	28
49	Memory-effect-induced electrochemical oscillation of an Al-doped Li₄Ti₅O₁₂ composite in Li-ion batteries. Chemical Communications, 2019, 55, 1279-1282.	4.1	7
50	A CoMoO₄â€“Co₂Mo₃O₈ heterostructure with valence-rich molybdenum for a high-performance hydrogen evolution reaction in alkaline solution. Journal of Materials Chemistry A, 2019, 7, 16761-16769.	10.3	50
51	Hyperâ€crossâ€linked polymer based carbonaceous materials as efficient catalysts for ethyl levulinate production from carbohydrates. Journal of Chemical Technology and Biotechnology, 2019, 94, 3073-3083.	3.2	22
52	Surface chemistry of tube-in-tube nanostructured cuprous sulfide@void@carbon in catalytical polysulfide conversion. Journal of Materials Chemistry A, 2019, 7, 12815-12824.	10.3	5
53	A Collaboratively Polar Conductive Interface for Accelerating Polysulfide Redox Conversion. ACS Applied Materials & Interfaces, 2019, 11, 14035-14043.	8.0	10
54	Surface passivation of perovskite film for efficient solar cells. Nature Photonics, 2019, 13, 460-466.	31.4	3,458

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55	Significant enhancement of electron transfer from Shewanella oneidensis using a porous N-doped carbon cloth in a bioelectrochemical system. Science of the Total Environment, 2019, 665, 882-889.	8.0	36
56	A stable filamentous coaxial microelectrode for Li-ion batteries: a case of olivine LiFePO₄. Chemical Communications, 2019, 55, 3529-3531.	4.1	7
57	Chlorine migration mechanisms during torrefaction of fermentation residue from food waste. Bioresource Technology, 2019, 271, 9-15.	9.6	25
58	Correlating structural changes of the improved cyclability upon Nd-substitution in LiNi0.5Co0.2Mn0.3O2 cathode materials. Energy Storage Materials, 2019, 18, 260-268.	18.0	82
59	Ultrathin NiFe-layered double hydroxide decorated NiCo2O4 arrays with enhanced performance for supercapacitors. Applied Surface Science, 2019, 465, 929-936.	6.1	38
60	Aptamer-Patterned Hydrogel Films for Spatiotemporally Programmable Capture and Release of Multiple Proteins. ACS Applied Materials & Interfaces, 2018, 10, 8546-8554.	8.0	23
61	High-voltage performance of concentration-gradient Li[Ni_{0.6}Co_{0.2}Mn_{0.2}]O₂ layered oxide cathode materials for lithium batteries. New Journal of Chemistry, 2018, 42, 5868-5874.	2.8	13
62	Electrochemical Oscillation in Li-Ion Batteries. Joule, 2018, 2, 1265-1277.	24.0	44
63	Cathode materials with cross-stack structures for suppressing intergranular cracking and high-performance lithium-ion batteries. Electrochimica Acta, 2018, 261, 513-520.	5.2	11
64	Three-dimensional porous graphene-like sheets synthesized from biocarbon via low-temperature graphitization for a supercapacitor. Green Chemistry, 2018, 20, 694-700.	9.0	202
65	Steamed cake-derived 3D carbon foam with surface anchored carbon nanoparticles as freestanding anodes for high-performance microbial fuel cells. Science of the Total Environment, 2018, 636, 1081-1088.	8.0	33
66	A Label-Free Fluorescent DNA Calculator Based on Gold Nanoparticles for Sensitive Detection of ATP. Molecules, 2018, 23, 2494.	3.8	5
67	Size-Dependent Memory Effect of the LiFePO₄ Electrode in Li-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 41407-41414.	8.0	17
68	Low-temperature sintering and magnetic properties of CoTi dopant barium ferrites with Bi2O3 addition. AIP Conference Proceedings, 2018, , .	0.4	0
69	A Label-Free Fluorescent AND Logic Gate Aptasensor for Sensitive ATP Detection. Sensors, 2018, 18, 3281.	3.8	6
70	Composition and Interface Engineering for Efficient and Thermally Stable Pbâ€“Sn Mixed Lowâ€Bandgap Perovskite Solar Cells. Advanced Functional Materials, 2018, 28, 1804603.	14.9	87
71	Enhanced Rhodococcus pyridinivorans HR-1 anode performance by adding trehalose lipid in microbial fuel cell. Bioresource Technology, 2018, 267, 774-777.	9.6	25
72	Electrochemical behavior of horseradish peroxidase on WS₂ nanosheetâ€modified electrode and electrocatalytic investigation. Journal of the Chinese Chemical Society, 2018, 65, 1127-1135.	1.4	20

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73	Coin-Cell-Based In Situ Characterization Techniques for Li-Ion Batteries. Frontiers in Energy Research, 2018, 6, .	2.3	10
74	Lithium Borocarbide LiBC as an Anode Material for Rechargeable Li-Ion Batteries. Journal of Physical Chemistry C, 2018, 122, 18231-18236.	3.1	16
75	Hierarchical carbon microstructures prepared from oil-palm-shell tracheids for Liâ€“S batteries. New Journal of Chemistry, 2017, 41, 4110-4115.	2.8	12
76	Facile synthesis of graphene/polypyrrole 3<scp>D</scp> composite for a highâ€sensitivity nonâ€enzymatic dopamine detection. Journal of Applied Polymer Science, 2017, 134, 44840.	2.6	26
77	One-step hydroprocessing of fatty acids into renewable aromatic hydrocarbons over Ni/HZSM-5: insights into the major reaction pathways. Physical Chemistry Chemical Physics, 2017, 19, 2961-2973.	2.8	30
78	Nd-doped LiNi0.5Co0.2Mn0.3O2 as a cathode material for better rate capability in high voltage cycling of Li-ion batteries. Electrochimica Acta, 2017, 254, 50-58.	5.2	75
79	Insight into forced hydrogen re-arrangement and altered reaction pathways in a protocol for CO₂ catalytic processing of oleic acid into C₈â€“C₁₅ alkanes. Green Chemistry, 2017, 19, 4157-4168.	9.0	25
80	Relaxation-Induced Memory Effect of LiFePO₄ Electrodes in Li-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 24561-24567.	8.0	23
81	Combustion and Heat Release Characteristics of Biogas under Hydrogen- and Oxygen-Enriched Condition. Energies, 2017, 10, 1200.	3.1	23
82	Farmersâ€™ Perception of the Decade-Long Grazing Ban Policy in Northern China: A Case Study of Yanchi County. Sustainability, 2016, 8, 1113.	3.2	8
83	Fast Synthesis of Hierarchical Co(OH)2 Nanosheet Hollow Spheres with Enhanced Glucose Sensing. European Journal of Inorganic Chemistry, 2016, 2016, 3163-3168.	2.0	25
84	Rapid synthesis of hollow Ni(OH)₂ with low-crystallinity for the electrochemical detection of ascorbic acid with high sensitivity. RSC Advances, 2016, 6, 43598-43604.	3.6	8
85	Synthesis of Double-Shell SnO₂@C Hollow Nanospheres as Sulfur/Sulfide Cages for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2016, 8, 27795-27802.	8.0	87
86	Synthesis of TiC Nanoparticles Anchored on Hollow Carbon Nanospheres for Enhanced Polysulfide Adsorption in Liâ€“S Batteries. ChemSusChem, 2016, 9, 3338-3344.	6.8	34
87	Highly dispersed Ag nanoparticles embedded in alumina nanobelts as excellent surface-enhanced Raman scattering substrates. RSC Advances, 2016, 6, 8580-8583.	3.6	2
88	Highly sensitive self-complementary DNA nanoswitches triggered by polyelectrolytes. Nanoscale, 2016, 8, 464-470.	5.6	2
89	Characteristic of heavy metals in biochar derived from sewage sludge. Journal of Material Cycles and Waste Management, 2016, 18, 725-733.	3.0	123
90	Facile Synthesis of MnO₂/Polypyrrole/MnO₂ Multiwalled Nanotubes as Advanced Electrocatalysts for the Oxygen Reduction Reaction. ChemElectroChem, 2015, 2, 1152-1158.	3.4	33

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91	Nitrogen-doped carbon sheets derived from chitin as non-metal bifunctional electrocatalysts for oxygen reduction and evolution. RSC Advances, 2015, 5, 56121-56129.	3.6	79
92	Chitosan-collagen/organomontmorillonite scaffold for bone tissue engineering. Frontiers of Materials Science, 2015, 9, 405-412.	2.2	22
93	Effect of prohibiting grazing policy in northern China: a case study of Yanchi County. Environmental Earth Sciences, 2014, 72, 67-77.	2.7	9
94	Exploring the potential of community-based grassland management in Yanchi County of Ningxia Hui Autonomous Region, China: an application of the SWOT-AHP method. Environmental Earth Sciences, 2014, 72, 1811-1820.	2.7	13
95	Catalytic Purification of Raw Gas from Biomass Gasification on Moâ€“Niâ€“Co/Cordierite Monolithic Catalyst. Energy & Fuels, 2013, 27, 2099-2106.	5.1	9
96	Influence of temperature on product distribution and biochar properties by municipal sludge pyrolysis. Journal of Material Cycles and Waste Management, 2013, 15, 357-361.	3.0	124
97	Catalytic Dehydration of Ethanol to Ethylene on TiO2/4A Zeolite Composite Catalysts. Catalysis Letters, 2009, 130, 308-311.	2.6	18
98	Pore structures of multi-walled carbon nanotubes activated by air, CO2 and KOH. Journal of Porous Materials, 2006, 13, 141-146.	2.6	51
99	Pyrolysis and Combustion of Refuse-Derived Fuels in a Spoutingâ^'Moving Bed Reactor. Energy & Fuels, 2002, 16, 136-142.	5.1	11
100	HCl Formation from RDF Pyrolysis and Combustion in a Spouting-Moving Bed Reactor. Energy & Fuels, 2002, 16, 608-614.	5.1	22
101	THE EFFECT OF A SUPPORT LAYER ON THE PERMEABILITY OF WATER VAPOR IN ASYMMETRIC COMPOSITE MEMBRANES. Separation Science and Technology, 2001, 36, 3701-3720.	2.5	25
102	Study on the Hydrodynamics of a Spoutingâ^'Moving Bed. Industrial & Engineering Chemistry Research, 2001, 40, 4983-4989.	3.7	6
103	A Study on Combustion Characteristics and Kinetic Model of Municipal Solid Wastes. Energy & Fuels, 2001, 15, 1441-1446.	5.1	22
104	On the Pyrolysis of Sewage Sludge: The Influence of Pyrolysis Temperature on Biochar, Liquid and Gas Fractions. Advanced Materials Research, 0, 518-523, 3412-3420.	0.3	11