

Guohua Chen

List of Publications by Year in descending order

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355
papers

27,145
citations

3919

88
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7718

150
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367
all docs

367
docs citations

367
times ranked

27139
citing authors

#	ARTICLE	IF	CITATIONS
1	A thin and multifunctional CoS@g-C3N4/Ketjen black interlayer deposited on polypropylene separator for boosting the performance of lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 470-481.	5.0	26
2	Multiscale Understanding of Surface Structural Effects on High-Temperature Operational Resiliency of Layered Oxide Cathodes. <i>Advanced Materials</i> , 2022, 34, e2107326.	11.1	21
3	Rational design of a heterogeneous double-layered composite solid electrolyte via synergistic strategies of asymmetric polymer matrices and functional additives to enable 4.5 V all-solid-state lithium batteries with superior performance. <i>Energy Storage Materials</i> , 2022, 45, 1062-1073.	9.5	21
4	N, O co-doped porous carbon with rich pseudocapacitive groups exhibiting superior energy density in an acidic 2.4 V Li2SO4 electrolyte. <i>Chinese Chemical Letters</i> , 2022, 33, 3883-3888.	4.8	2
5	Sodium-rich NASICON-structured cathodes for boosting the energy density and lifespan of sodium-free anode sodium metal batteries. <i>Informa Mater</i> , 2022, 4, .	8.5	41
6	HP-MnCo2O4/C nanomaterials synthesized by Co Mn metal organic framework supported with the pyridine-3,5-dicarboxylate ligand for anode in lithium-ion batteries. <i>Ionics</i> , 2022, 28, 1667-1677.	1.2	5
7	Effects of oxygen functional groups on electrochemical performance of carbon materials for dechlorination of 1,2-dichloroethane to ethylene. <i>Chemical Engineering Journal</i> , 2022, 434, 134547.	6.6	12
8	High entropy oxide nanofiber by electrospun method and its application for lithium battery anode material. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 2004-2015.	1.1	14
9	Encapsulating sulphur inside Magn@li phase Ti4O7 nanotube array for high performance lithium sulphur battery cathode. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 2417-2431.	0.9	3
10	Core-shell copper-manganese oxide nanoparticles synthesized from a copper-manganese metal-organic framework with pyromellitic acid as ligand for lithium-ion battery anode. <i>Ionics</i> , 2022, 28, 3719-3729.	1.2	5
11	Rapid synthesis of zeolites through g-C3N4-based photocatalysis. <i>Green Chemistry</i> , 2022, 24, 5792-5799.	4.6	2
12	Ether-Induced Phase Transition toward Stabilized Layered Structure of MoS2 with Extraordinary Sodium Storage Performance. , 2022, 4, 1341-1349.		11
13	Highly Efficient Electrocatalytic Upgrade of Valeraldehyde to Octane over Au SACs NiMn2O4 Spinel Synergetic Composites. <i>Small</i> , 2022, 18, .	5.2	8
14	Integrating N-Doped Porous Carbon-Encapsulated Ultrafine SnO2 with MXene Nanosheets via Electrostatic Self-Assembly as a Superior Anode Material for Lithium Ion Capacitors. <i>ACS Applied Energy Materials</i> , 2022, 5, 8198-8210.	2.5	11
15	Wave-absorbing material aided microwave freeze-drying of vitamin C solution frozen with preformed pores. <i>Drying Technology</i> , 2021, 39, 2025-2038.	1.7	10
16	Ultrathin Fe-N C single-atom catalysts with bifunctional active site for simultaneous production of ethylene and aromatic chlorides. <i>Nano Energy</i> , 2021, 80, 105532.	8.2	33
17	Ultrasensitive Fe3+ ion detection based on pH-insensitive fluorescent graphene nanosensors in strong acid and neutral media. <i>New Journal of Chemistry</i> , 2021, 45, 5829-5836.	1.4	3
18	Ultrahigh capacity and cyclability of dual-phase TiO2 nanowires with low working potential at room and subzero temperatures. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9256-9265.	5.2	13

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19	Hydrazine Detection during Ammonia Electro-oxidation Using an Aggregation-Induced Emission Dye. <i>Journal of the American Chemical Society</i> , 2021, 143, 2433-2440.	6.6	41
20	Deep Eutectic Solvents for Boosting Electrochemical Energy Storage and Conversion: A Review and Perspective. <i>Advanced Functional Materials</i> , 2021, 31, 2011102.	7.8	172
21	The synergistic effect of P-doping and carbon coating for boosting electrochemical performance of TiO ₂ nanospheres for sodium-ion batteries. <i>Chinese Chemical Letters</i> , 2021, 32, 3847-3851.	4.8	17
22	Toward High Performance All-Solid-State Lithium Batteries with High-Voltage Cathode Materials: Design Strategies for Solid Electrolytes, Cathode Interfaces, and Composite Electrodes. <i>Advanced Energy Materials</i> , 2021, 11, 2003154.	10.2	65
23	Fe ₃ C/Fe nanoparticles embedded in N-doped porous carbon nanosheets and graphene: A thin functional interlayer for PP separator to boost performance of Li-S batteries. <i>Chemical Engineering Journal</i> , 2021, 415, 129001.	6.6	47
24	The effect of ruthenium content on the stability and activity of Ti/RuO ₂ -Sb ₂ O ₅ -SnO ₂ for oxygen evolution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 125, 186-194.	2.7	4
25	Dendrite-free lithium deposition enabled by a vertically aligned graphene pillar architecture. <i>Carbon</i> , 2021, 185, 152-160.	5.4	14
26	A novel eutectic solvent precursor for efficiently preparing N-doped hierarchically porous carbon nanosheets with unique surface functional groups and micropores towards dual-carbon lithium-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13631-13641.	5.2	22
27	B-N Coordination Enables Efficient p-Doping in a Pyrazine-Based Polymer Donor Toward Enhanced Photovoltaic Performance. <i>Macromolecules</i> , 2021, 54, 10758-10766.	2.2	4
28	Cyclodextrin-Integrated PEO-Based Composite Solid Electrolytes for High-Rate and Ultrastable All-Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57380-57391.	4.0	29
29	High-performance In ₂ O ₃ @PANI core@shell architectures with ultralong charge carriers lifetime for photocatalytic degradation of gaseous 1,2-dichlorobenzene. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118278.	10.8	96
30	A biscuit-like separator enabling high performance lithium batteries by continuous and protected releasing of NO ₃ ⁻ in carbonate electrolyte. <i>Energy Storage Materials</i> , 2020, 24, 229-236.	9.5	31
31	An appropriate amount of new spinel phase induced by control synthesis for the improvement of electrochemical performance of Li-rich layered oxide cathode material. <i>Electrochimica Acta</i> , 2020, 330, 135240.	2.6	51
32	Restructured rimous copper foam as robust lithium host. <i>Energy Storage Materials</i> , 2020, 26, 250-259.	9.5	34
33	Preparation of graphene via wet ball milling and in situ reversible modification with the Diels-Alder reaction. <i>New Journal of Chemistry</i> , 2020, 44, 1236-1244.	1.4	9
34	Toward a practical Li-S battery enabled by synergistic confinement of a nitrogen-enriched porous carbon as a multifunctional interlayer and sulfur-host material. <i>Journal of Electroanalytical Chemistry</i> , 2020, 858, 113797.	1.9	17
35	Na-ion conducting gel polymer membrane for flexible supercapacitor application. <i>Electrochimica Acta</i> , 2020, 330, 135322.	2.6	36
36	Active Sites in Single-Atom Fe-N-C Nanosheets for Selective Electrochemical Dechlorination of 1,2-Dichloroethane to Ethylene. <i>ACS Nano</i> , 2020, 14, 9929-9937.	7.3	83

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37	Boosting Electrocatalytic Nitrogen Fixation with Co ³⁺ Site-Decorated Porous Carbon. ACS Sustainable Chemistry and Engineering, 2020, 8, 13430-13439.	3.2	28
38	Horizontal Stress Release for Protuberance-Free Li Metal Anode. Advanced Functional Materials, 2020, 30, 2002522.	7.8	22
39	Facile Synthesis of Ant-Nest-Like Porous Duplex Copper as Deeply Cycling Host for Lithium Metal Anodes. Small, 2020, 16, e2001784.	5.2	33
40	Multiphysics Modeling for Microwave Freeze-Drying of Initially Porous Frozen Material Assisted by Wave-Absorptive Medium. Industrial & Engineering Chemistry Research, 2020, 59, 20903-20915.	1.8	7
41	Understanding of the effect of nitrogen-doping level and micropore volume ratio on the capacitive performance of N,S-codoped hierarchically porous carbon. Electrochimica Acta, 2020, 354, 136639.	2.6	8
42	Synthesis of low surface energy thin film of polyepichlorohydrin-triazole-ols. Journal of Colloid and Interface Science, 2020, 575, 452-463.	5.0	14
43	Surface engineering in improving activity of Pt nanocubes for ammonia electrooxidation reaction. Applied Catalysis B: Environmental, 2020, 269, 118821.	10.8	58
44	Nitrogen-rich porous carbon in ultra-high yield derived from activation of biomass waste by a novel eutectic salt for high performance Li-ion capacitors. Carbon, 2020, 161, 25-35.	5.4	80
45	Dynamic Response Analysis of Large Arch-Roof Oil Tank Subjected to the Coupling Impact of Two-Source Blast Waves Based on Finite Element Method. Journal of Failure Analysis and Prevention, 2020, 20, 333-347.	0.5	1
46	An environmentally friendly strategy to prepare nitrogen-rich hierarchical porous carbon for high-performance supercapacitors. Chemical Communications, 2020, 56, 2182-2185.	2.2	20
47	The synergistic effects study between metal oxides and graphene on far-infrared emission performance. SN Applied Sciences, 2020, 2, 1.	1.5	2
48	Customizing coaxial stacking VS ₂ nanosheets for dual-band microwave absorption with superior performance in the C- and K _u -bands. Journal of Materials Chemistry C, 2020, 8, 5923-5933.	2.7	86
49	Freeze-drying of ceftriaxone sodium solution frozen with prefabricated porosity. Canadian Journal of Chemical Engineering, 2019, 97, 709-716.	0.9	5
50	Oxygen and nitrogen co-doped porous carbon granules enabling dendrite-free lithium metal anode. Energy Storage Materials, 2019, 18, 320-327.	9.5	102
51	Multiple regulations of Mn-based oxides in boosting peroxydisulfate activation for norfloxacin removal. Applied Catalysis A: General, 2019, 584, 117170.	2.2	24
52	Ultrafine Titanium Nitride Sheath Decorated Carbon Nanofiber Network Enabling Stable Lithium Metal Anodes. Advanced Functional Materials, 2019, 29, 1903229.	7.8	112
53	Two Dimensional WS ₂ /C Nanosheets as a Polysulfides Immobilizer for High Performance Lithium-Sulfur Batteries. Journal of the Electrochemical Society, 2019, 166, A5386-A5395.	1.3	29
54	Carbon Aerogels for Environmental Cleanup. European Journal of Inorganic Chemistry, 2019, 2019, 3126-3141.	1.0	52

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55	Surfactant-free carbon black@graphene conductive ink for flexible electronics. Journal of Materials Science, 2019, 54, 11157-11167.	1.7	11
56	In-Plane Highly Dispersed Cu ₂ O Nanoparticles for Seeded Lithium Deposition. Nano Letters, 2019, 19, 4601-4607.	4.5	75
57	Conductive metal-organic framework with redox metal center as cathode for high rate performance lithium ion battery. Journal of Power Sources, 2019, 429, 22-29.	4.0	133
58	Ultrathin sheets of MoS ₂ /g-C ₃ N ₄ composite as a good hosting material of sulfur for lithium-sulfur batteries. Journal of Power Sources, 2019, 431, 93-104.	4.0	61
59	Synergistic effect of composite carbon source and simple pre-calcining process on significantly enhanced electrochemical performance of porous LiFe _{0.5} Mn _{0.5} PO ₄ /C agglomerations. Electrochimica Acta, 2019, 314, 102-114.	2.6	17
60	Building ultraconformal protective layers on both secondary and primary particles of layered lithium transition metal oxide cathodes. Nature Energy, 2019, 4, 484-494.	19.8	345
61	A scalable slurry process to fabricate a 3D lithiophilic and conductive framework for a high performance lithium metal anode. Journal of Materials Chemistry A, 2019, 7, 13225-13233.	5.2	49
62	Porous frozen material approach to freeze-drying of instant coffee. Drying Technology, 2019, 37, 2126-2136.	1.7	8
63	CoS-interposed and Ketjen black-embedded carbon nanofiber framework as a separator modulation for high performance Li-S batteries. Chemical Engineering Journal, 2019, 369, 77-86.	6.6	75
64	Thermal-oxidative aging performance and life prediction of polyethylene pipe under cyclic and constant internal pressure. Journal of Applied Polymer Science, 2019, 136, 47766.	1.3	11
65	<i>In situ</i> grown \pm -Cos/Co heterostructures on nitrogen doped carbon polyhedra enabling the trapping and reaction-intensification of polysulfides towards high performance lithium-sulfur batteries. Nanoscale, 2019, 11, 20579-20588.	2.8	16
66	Biomass waste-derived nitrogen-rich hierarchical porous carbon offering superior capacitive behavior in an environmentally friendly aqueous MgSO ₄ electrolyte. Journal of Colloid and Interface Science, 2019, 537, 475-485.	5.0	14
67	The effect of Ir content on the stability of Ti/IrO ₂ -SnO ₂ -Sb ₂ O ₅ electrodes for O ₂ evolution. Canadian Journal of Chemical Engineering, 2019, 97, 743-754.	0.9	8
68	Insight to the synergistic effect of N-doping level and pore structure on improving the electrochemical performance of sulfur/N-doped porous carbon cathode for Li-S batteries. Carbon, 2019, 144, 745-755.	5.4	75
69	N-doped carbon-coated hollow carbon nanofibers with interspersed TiO ₂ for integrated separator of Li-S batteries. Electrochimica Acta, 2019, 297, 641-649.	2.6	49
70	Experimental and numerical investigations on freeze-drying of porous media with prebuilt porosity. Chemical Physics Letters, 2018, 700, 80-87.	1.2	12
71	An interwoven MoO ₃ @CNT scaffold interlayer for high-performance lithium-sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 8612-8619.	5.2	141
72	Hierarchically porous nitrogen-doped carbon derived from the activation of agriculture waste by potassium hydroxide and urea for high-performance supercapacitors. Journal of Power Sources, 2018, 378, 579-588.	4.0	246

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73	CoFe-CoFe ₂ O ₄ /N-doped carbon nanocomposite derived from in situ pyrolysis of a single source precursor as a superior bifunctional electrocatalyst for water splitting. <i>Electrochimica Acta</i> , 2018, 262, 18-26.	2.6	28
74	Multiphase transport modeling for freeze-drying of aqueous material frozen with prebuilt porosity. <i>International Journal of Heat and Mass Transfer</i> , 2018, 122, 1353-1365.	2.5	18
75	Hybrids of aluminum hypophosphite and ammonium polyphosphate: Highly effective flame retardant system for unsaturated polyester resin. <i>Polymer Composites</i> , 2018, 39, 1763-1770.	2.3	26
76	Electrosprayed silicon-embedded porous carbon microspheres as lithium-ion battery anodes with exceptional rate capacities. <i>Carbon</i> , 2018, 127, 424-431.	5.4	150
77	Net-Structured Filter of Co(OH) ₂ -Anchored Carbon Nanofibers with Ketjen Black for High Performance Li-S Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 17099-17107.	3.2	23
78	Experimental Investigation of Combustion Kinetics of Wood Powder and Pellet. <i>Journal of Combustion</i> , 2018, 2018, 1-7.	0.5	5
79	Porous Anatase-TiO ₂ (B) Dual-Phase Nanorods Prepared from <i>in Situ</i> Pyrolysis of a Single Molecule Precursor Offer High Performance Lithium-Ion Storage. <i>Inorganic Chemistry</i> , 2018, 57, 12245-12254.	1.9	17
80	Embedding Co ₂ P Nanoparticles in N-Doped Carbon Nanotubes Grown on Porous Carbon Polyhedra for High-Performance Lithium-Ion Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 13019-13025.	1.8	21
81	Finite Element Analysis of Sealing Performance of Rubber D-Ring Seal in High-Pressure Hydrogen Storage Vessel. <i>Journal of Failure Analysis and Prevention</i> , 2018, 18, 846-855.	0.5	28
82	Highly oriented SnS ₂ /RGO/Ag heterostructures for boosting photoelectrochemical and photocatalytic performances via schottky and RGO-n dual-heterojunctions interfacial effects. <i>Applied Catalysis A: General</i> , 2018, 563, 118-126.	2.2	13
83	A fast estimation algorithm for lithium-ion battery state of health. <i>Journal of Power Sources</i> , 2018, 396, 453-458.	4.0	240
84	Failure Analysis of Buried Polyethylene Pipe Subjected to Combined Loading of Non-uniform Settlement and Landslide Based on FEM. <i>Journal of Failure Analysis and Prevention</i> , 2018, 18, 1278-1285.	0.5	5
85	Origin of the High Capacity Manganese-Based Oxyfluoride Electrodes for Rechargeable Batteries. <i>Chemistry of Materials</i> , 2018, 30, 5362-5372.	3.2	16
86	Fe ₃ O ₄ -Decorated Porous Graphene Interlayer for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26264-26273.	4.0	117
87	The enhancement of rate and cycle performance of LiMn ₂ O ₄ at elevated temperatures by the synergistic roles of porous structure and dual-cation doping. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 1083-1094.	1.5	5
88	Recent Advances of Mn-Rich LiFe _{1-x} Co _x Mn _y PO ₄ (0.5 ≤ x < 1.0) Cathode Materials for High Energy Density Lithium Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1601958.	10.2	89
89	Electrochemically activated MnO as a cathode material for sodium-ion batteries. <i>Electrochemistry Communications</i> , 2017, 77, 81-84.	2.3	12
90	Self-templated formation of ZnFe ₂ O ₄ double-shelled hollow microspheres for photocatalytic degradation of gaseous o-dichlorobenzene. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8909-8915.	5.2	84

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91	Antifouling ceramic membrane electrode modified by Magn ²⁺ @Li Ti ₄ O ₇ for electro-microfiltration of humic acid. Separation and Purification Technology, 2017, 185, 61-71.	3.9	36
92	High-rate and long-life performance of a truncated spinel cathode material with off-stoichiometric composition at elevated temperature. Electrochimica Acta, 2017, 225, 198-206.	2.6	33
93	Triggering the In Situ Electrochemical Formation of High Capacity Cathode Material from MnO. Advanced Energy Materials, 2017, 7, 1602200.	10.2	15
94	AgInS ₂ nanoparticles modified TiO ₂ nanotube array electrodes: Ultrasonic-assisted SILAR preparation and mechanism of enhanced photoelectrocatalytic activity. Molecular Catalysis, 2017, 442, 97-106.	1.0	18
95	Carbon-Encapsulated Sn@N-Doped Carbon Nanotubes as Anode Materials for Application in SIBs. ACS Applied Materials & Interfaces, 2017, 9, 37682-37693.	4.0	52
96	Importance of synergistic role of cobalt and aluminum on a greatly improved electrochemical performance of Li-rich oxyfluoride spinel at elevated-temperature. Journal of Alloys and Compounds, 2017, 728, 612-622.	2.8	8
97	An Unprecedented Case: A Low Specific Surface Area Anatase/N-Doped Carbon Nanocomposite Derived from a New Single Source Precursor Affords Fast and Stable Lithium Storage. ACS Applied Materials & Interfaces, 2017, 9, 28527-28536.	4.0	6
98	CoO functionalized IrO ₂ -Sb ₂ O ₅ -SnO ₂ anode with an enhanced activity and stability for electrocatalytic oxygen evolution. Journal of Alloys and Compounds, 2017, 696, 257-265.	2.8	24
99	In situ synthesis of a novel transparent poly (methyl methacrylate) resin with markedly enhanced flame retardancy. Polymers for Advanced Technologies, 2016, 27, 266-272.	1.6	20
100	A Carbon-Sulfur Hybrid with Pomegranate-Like Structure for Lithium-Sulfur Batteries. Chemistry - an Asian Journal, 2016, 11, 1343-1347.	1.7	17
101	3-D structured SnO ₂ polypyrrole nanotubes applied in Na-ion batteries. RSC Advances, 2016, 6, 103124-103131.	1.7	19
102	Unique three dimensional architecture using a metal-free semiconductor cross-linked bismuth vanadate for efficient photoelectrochemical water oxidation. Nano Energy, 2016, 24, 148-157.	8.2	44
103	In-situ hydrothermal synthesis of Na ₃ MnCO ₃ PO ₄ /rGO hybrid as a cathode for Na-ion battery. Electrochimica Acta, 2016, 208, 188-194.	2.6	36
104	Self-assembly graphitic carbon nitride quantum dots anchored on TiO ₂ nanotube arrays: An efficient heterojunction for pollutants degradation under solar light. Journal of Hazardous Materials, 2016, 316, 159-168.	6.5	100
105	Anomalous Enhancement of Li ₂ Battery Performance with Li ₂ O ₂ Films Assisted by NiFeO _x Nanofiber Catalysts: Insights into Morphology Control. Advanced Functional Materials, 2016, 26, 8290-8299.	7.8	47
106	Synthesis of a novel highly effective flame retardant containing multivalent phosphorus and its application in unsaturated polyester resins. RSC Advances, 2016, 6, 86632-86639.	1.7	35
107	Ball mill assisted synthesis of Na ₃ MnCO ₃ PO ₄ nanoparticles anchored on reduced graphene oxide for sodium ion battery cathodes. Electrochimica Acta, 2016, 220, 683-689.	2.6	35
108	Graphene-linked graphitic carbon nitride/TiO ₂ nanowire arrays heterojunction for efficient solar-driven water splitting. Journal of Applied Electrochemistry, 2016, 46, 807-817.	1.5	19

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109	Hexagonal microspindle of NH_2 -MIL-101(Fe) metal-organic frameworks with visible-light-induced photocatalytic activity for the degradation of toluene. <i>RSC Advances</i> , 2016, 6, 4289-4295.	1.7	190
110	Ultrasmall graphitic carbon nitride quantum dots decorated self-organized TiO_2 nanotube arrays with highly efficient photoelectrochemical activity. <i>Applied Catalysis B: Environmental</i> , 2016, 186, 127-135.	10.8	153
111	The developments of SnO_2 /graphene nanocomposites as anode materials for high performance lithium ion batteries: A review. <i>Journal of Power Sources</i> , 2016, 304, 81-101.	4.0	216
112	Numerical investigation on freeze-drying of aqueous material frozen with pre-built pores. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 116-125.	1.7	10
113	Magnetically modified ceramic membrane for electrically-assisted filtration with antifouling property. <i>Journal of Membrane Science</i> , 2016, 498, 302-314.	4.1	89
114	One-pot synthesis of carbon-coated nanosized $\text{LiTi}_2(\text{PO}_4)_3$ as anode materials for aqueous lithium ion batteries. <i>Journal of Power Sources</i> , 2015, 293, 562-569.	4.0	40
115	One-dimensional structured IrO_2 nanorods modified membrane for electrochemical anti-fouling in filtration of oily wastewater. <i>Separation and Purification Technology</i> , 2015, 156, 931-941.	3.9	47
116	Improving the Electrochemical Performance of Si Nanoparticle Anode Material by Synergistic Strategies of Polydopamine and Graphene Oxide Coatings. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1720-1728.	1.5	68
117	Ultra-small nanoparticles of MgTi_2O_5 embedded in carbon rods with superior rate performance for sodium ion batteries. <i>Chemical Communications</i> , 2015, 51, 3545-3548.	2.2	24
118	Ultrathin Nanosheets of Organic-Modified $\text{Ni}(\text{OH})_2$ with Excellent Thermal Stability: Fabrication and Its Reinforcement Application in Polymers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14603-14613.	4.0	27
119	Influence of relative humidity on the structure and electrochemical performance of sustainable LiFeSO_4F electrodes for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16988-16997.	5.2	32
120	Specially designed carbon black nanoparticle-sulfur composite cathode materials with a novel structure for lithium-sulfur battery application. <i>Journal of Power Sources</i> , 2015, 285, 478-484.	4.0	45
121	Sulfur impregnated in tunable porous N-doped carbon as sulfur cathode: effect of pore size distribution. <i>Electrochimica Acta</i> , 2015, 173, 282-289.	2.6	21
122	A novel lithium-sulfur battery cathode from butadiene rubber-caged sulfur-rich polymeric composites. <i>RSC Advances</i> , 2015, 5, 38792-38800.	1.7	9
123	Ni/Mn ratio and morphology-dependent crystallographic facet structure and electrochemical properties of the high-voltage spinel $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ cathode material. <i>RSC Advances</i> , 2015, 5, 25988-25997.	1.7	37
124	Durable polydopamine-coated porous sulfur core-shell cathode for high performance lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2015, 300, 386-394.	4.0	62
125	Freeze-drying of aqueous solution frozen with prebuilt pores. <i>AIChE Journal</i> , 2015, 61, 2048-2057.	1.8	23
126	Novel phosphorus doped carbon nitride modified TiO_2 nanotube arrays with improved photoelectrochemical performance. <i>Nanoscale</i> , 2015, 7, 16282-16289.	2.8	96

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127	The enhanced rate performance of $\text{LiFe}_{0.5}\text{Mn}_{0.5}\text{PO}_4/\text{C}$ cathode material via synergistic strategies of surfactant-assisted solid state method and carbon coating. <i>Journal of Materials Chemistry A</i> , 2015, 3, 996-1004.	5.2	75
128	Highly-Ordered Magn O @ TiO_2 Nanotube Arrays as Effective Anodic Material for Electro-oxidation. <i>Electrochimica Acta</i> , 2015, 153, 316-324.	2.6	108
129	A new clean approach for production of cobalt dihydroxide from aqueous Co(II) using oxygen-reducing biocathode microbial fuel cells. <i>Journal of Cleaner Production</i> , 2015, 86, 441-446.	4.6	61
130	Improving the electrochemical performance of the $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ spinel by polypyrrole coating as a cathode material for the lithium-ion battery. <i>Journal of Materials Chemistry A</i> , 2015, 3, 404-411.	5.2	130
131	Dependency of simultaneous Cr(VI) , Cu(II) and Cd(II) reduction on the cathodes of microbial electrolysis cells self-driven by microbial fuel cells. <i>Journal of Power Sources</i> , 2015, 273, 1103-1113.	4.0	82
132	A surfactant-assisted synthesis route for scalable preparation of high performance of $\text{LiFe}_{0.15}\text{Mn}_{0.85}\text{PO}_4/\text{C}$ cathode using bimetallic precursor. <i>Journal of Power Sources</i> , 2014, 265, 223-230.	4.0	37
133	Fabrication of High Conductive S/C Cathode by Sulfur Infiltration into Hierarchical Porous Carbon/Carbon Fiber Weave-Structured Materials via Vapor-Melting Method. <i>Electrochimica Acta</i> , 2014, 127, 123-131.	2.6	24
134	Removal of cadmium ions from wastewater using innovative electronic waste-derived material. <i>Journal of Hazardous Materials</i> , 2014, 273, 118-123.	6.5	146
135	Polysulfide rubber-based sulfur-rich composites as cathode material for high energy lithium/sulfur batteries. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16067-16072.	3.8	16
136	Recent advances in Mn-based oxides as anode materials for lithium ion batteries. <i>RSC Advances</i> , 2014, 4, 23914-23935.	1.7	143
137	Mechanism of arsenic removal using chitosan and nanochitosan. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 1-10.	5.0	100
138	Kinetics and equilibrium studies for the removal of cadmium ions by ion exchange resin. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 698-707.	3.3	100
139	A novel approach to synthesize ultrasmall Cu doped ZnInSe nanocrystal emitters in a colloidal system. <i>Nanoscale</i> , 2014, 6, 3403-3409.	2.8	19
140	A new approach to preparing porous carbons with controllable pore structure and morphology. <i>Chemical Communications</i> , 2014, 50, 14824-14827.	2.2	15
141	Improved electrochemical performance of $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ by Mg doping for lithium ion battery cathode material. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15015-15021.	5.2	107
142	Sulfur-rich polymeric materials with semi-interpenetrating network structure as a novel lithium-sulfur cathode. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9280.	5.2	149
143	The superior cycle and rate performance of a novel sulfur cathode by immobilizing sulfur into porous N-doped carbon microspheres. <i>Chemical Communications</i> , 2014, 50, 10468-10470.	2.2	41
144	Electrostatic shield effect: an effective way to suppress dissolution of polysulfide anions in lithium-sulfur battery. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15938-15944.	5.2	42

#	ARTICLE	IF	CITATIONS
145	Novel Hierarchically Porous Carbon Materials Obtained from Natural Biopolymer as Host Matrixes for Lithium-Sulfur Battery Applications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13174-13182.	4.0	133
146	Graphene Oxide-Immobilized NH ₂ -Terminated Silicon Nanoparticles by Cross-Linked Interactions for Highly Stable Silicon Negative Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11277-11285.	4.0	72
147	Investigation of the Effect of Extra Lithium Addition and Postannealing on the Electrochemical Performance of High-Voltage Spinel LiNi _{0.5} Mn _{1.5} O ₄ Cathode Material. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15581-15589.	1.5	31
148	Graphene-wrapped chromium-MOF(MIL-101)/sulfur composite for performance improvement of high-rate rechargeable Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13509-13512.	5.2	171
149	Supercritical-hydrothermal accelerated solid state reaction route for synthesis of LiMn ₂ O ₄ cathode material for high-power Li-ion batteries. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 1414-1424.	1.7	7
150	Genetic engineering of yeasts to improve ethanol production from xylose. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 32-39.	2.7	12
151	Novel Germanium/Polypyrrole Composite for High Power Lithium-ion Batteries. <i>Scientific Reports</i> , 2014, 4, 6095.	1.6	63
152	Cobalt leaching from lithium cobalt oxide in microbial electrolysis cells. <i>Chemical Engineering Journal</i> , 2013, 220, 72-80.	6.6	19
153	Graphene-encapsulated sulfur (GES) composites with a core-shell structure as superior cathode materials for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15142.	5.2	102
154	Fabrication of Ag/Ag ₃ PO ₄ /TiO ₂ heterostructure photoelectrodes for efficient decomposition of 2-chlorophenol under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9060.	5.2	158
155	Sub-micrometer-sized LiMn _{1.5} Ni _{0.5} O ₄ spheres as high rate cathode materials for long-life lithium ion batteries. <i>Electrochemistry Communications</i> , 2013, 27, 92-95.	2.3	41
156	Treatment of Restaurant Wastewater by Pilot-Scale Electrocoagulation-Electroflotation: Optimization of Operating Conditions. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 1004-1016.	0.7	22
157	Synergetic interactions improve cobalt leaching from lithium cobalt oxide in microbial fuel cells. <i>Bioresource Technology</i> , 2013, 128, 539-546.	4.8	72
158	Porous LiMn ₂ O ₄ microspheres as durable high power cathode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8170.	5.2	65
159	Bioanodes/biocathodes formed at optimal potentials enhance subsequent pentachlorophenol degradation and power generation from microbial fuel cells. <i>Bioelectrochemistry</i> , 2013, 94, 13-22.	2.4	54
160	ZnFe ₂ O ₄ multi-porous microbricks/graphene hybrid photocatalyst: Facile synthesis, improved activity and photocatalytic mechanism. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 80-88.	10.8	159
161	Boron and Nitrogen Codoped Nanodiamond as an Efficient Metal-Free Catalyst for Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14992-14998.	1.5	80
162	The effects of persulfate treatment on the electrochemical properties of Li[Li _{0.2} Mn _{0.54} Ni _{0.13} Co _{0.13}]O ₂ cathode material. <i>Journal of Power Sources</i> , 2013, 221, 108-113.	4.0	110

#	ARTICLE	IF	CITATIONS
163	Recent Developments of Graphene Electrodes in Bioelectrochemical Systems. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2013, 29, 889-896.	2.2	8
164	Maghemite nanoparticles for As(V) removal: desorption characteristics and adsorbent recovery. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1927-1936.	1.2	36
165	Two-Dimensional Mathematical Modeling of Heat and Mass Transfer in Fluidized-Bed Drying of Porous Material. <i>International Journal of Food Engineering</i> , 2012, 8, .	0.7	2
166	Porous Mn ₂ O ₃ microsphere as a superior anode material for lithium ion batteries. <i>RSC Advances</i> , 2012, 2, 4645.	1.7	142
167	Wastewater quality monitoring system using sensor fusion and machine learning techniques. <i>Water Research</i> , 2012, 46, 1133-1144.	5.3	94
168	Fabrication and surface photovoltage study of hematite microparticles with hollow spindle-shaped structure. <i>Applied Surface Science</i> , 2012, 258, 7099-7104.	3.1	15
169	Combined effects of enrichment procedure and non-fermentable or fermentable co-substrate on performance and bacterial community for pentachlorophenol degradation in microbial fuel cells. <i>Bioresource Technology</i> , 2012, 120, 120-126.	4.8	50
170	Synthesis of spinel LiMn ₂ O ₄ microspheres with durable high rate capability. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 2541-2547.	1.7	2
171	Effect of Competing Anions on Arsenate Adsorption onto Maghemite Nanoparticles. <i>Chinese Journal of Chemical Engineering</i> , 2012, 20, 505-514.	1.7	50
172	Issues in Freeze Drying of Aqueous Solutions. <i>Chinese Journal of Chemical Engineering</i> , 2012, 20, 551-559.	1.7	21
173	Role of Hydroxyl Radicals and Mechanism of <i>Escherichia coli</i> Inactivation on Ag/AgBr/TiO ₂ Nanotube Array Electrode under Visible Light Irradiation. <i>Environmental Science & Technology</i> , 2012, 46, 4042-4050.	4.6	235
174	Synthesis of sub-micrometer lithium iron phosphate particles using supercritical hydrothermal method for lithium ion batteries. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2012, 17, 517-522.	0.5	4
175	Mineralization of pentachlorophenol with enhanced degradation and power generation from air cathode microbial fuel cells. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2211-2221.	1.7	47
176	Surface photovoltage property of magnesium ferrite/hematite heterostructured hollow nanospheres prepared with one-pot strategy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 403, 35-40.	2.3	22
177	Ammonia gas-sensing characteristics of fluorescence-based poly(2-(acetoacetoxy)ethyl methacrylate) thin films. <i>Journal of Colloid and Interface Science</i> , 2012, 373, 94-101.	5.0	8
178	Synergies of the crystallinity and conductive agents on the electrochemical properties of the hollow Fe ₃ O ₄ spheres. <i>Electrochimica Acta</i> , 2012, 76, 495-503.	2.6	35
179	Reductive dechlorination and mineralization of pentachlorophenol in biocathode microbial fuel cells. <i>Bioresource Technology</i> , 2012, 111, 167-174.	4.8	112
180	Submerged membrane bioreactor in treatment of simulated restaurant wastewater. <i>Separation and Purification Technology</i> , 2012, 88, 184-190.	3.9	28

#	ARTICLE	IF	CITATIONS
181	Hollow Fe ₃ O ₄ /C spheres as superior lithium storage materials. <i>Journal of Power Sources</i> , 2012, 197, 305-309.	4.0	111
182	Shape-controlled fabrication of the porous Co ₃ O ₄ nanoflower clusters for efficient catalytic oxidation of gaseous toluene. <i>Journal of Hazardous Materials</i> , 2012, 209-210, 385-391.	6.5	142
183	Effects of Surface Features on Sulfur Dioxide Adsorption on Calcined NiAl Hydrotalcite-like Compounds. <i>Environmental Science & Technology</i> , 2011, 45, 5373-5379.	4.6	51
184	TiO ₂ nanotube/Ag@AgBr three-component nanojunction for efficient photoconversion. <i>Journal of Materials Chemistry</i> , 2011, 21, 18067.	6.7	89
185	Effect of Set Potential on Hexavalent Chromium Reduction and Electricity Generation from Biocathode Microbial Fuel Cells. <i>Environmental Science & Technology</i> , 2011, 45, 5025-5031.	4.6	146
186	One-pot synthesis of ZnFe ₂ O ₄ /C hollow spheres as superior anode materials for lithium ion batteries. <i>Chemical Communications</i> , 2011, 47, 6828.	2.2	214
187	A Model for Drying of Porous Materials: From Generality to Specific Applications. <i>Drying Technology</i> , 2011, 29, 1542-1555.	1.7	6
188	Controllable synthesis of spinel nano-ZnMn ₂ O ₄ via a single source precursor route and its high capacity retention as anode material for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 11987.	6.7	130
189	Synthesis and Photoinduced Charge-Transfer Properties of a ZnFe ₂ O ₄ -Sensitized TiO ₂ Nanotube Array Electrode. <i>Langmuir</i> , 2011, 27, 3113-3120.	1.6	104
190	Uniform Fe ₃ O ₄ -Fe ₂ O ₃ nanotubes fabricated for adsorption and photocatalytic oxidation of naphthalene. <i>Materials Chemistry and Physics</i> , 2011, 129, 683-687.	2.0	22
191	Facile solution synthesis and characterization of porous cubic-shaped superstructure of ZnAl ₂ O ₄ . <i>Materials Letters</i> , 2011, 65, 194-197.	1.3	40
192	Alteration of xylose reductase coenzyme preference to improve ethanol production by <i>Saccharomyces cerevisiae</i> from high xylose concentrations. <i>Bioresource Technology</i> , 2011, 102, 9206-9215.	4.8	32
193	Degradation of pentachlorophenol with the presence of fermentable and non-fermentable co-substrates in a microbial fuel cell. <i>Bioresource Technology</i> , 2011, 102, 8762-8768.	4.8	51
194	Capability of novel ZnFe ₂ O ₄ nanotube arrays for visible-light induced degradation of 4-chlorophenol. <i>Chemosphere</i> , 2011, 82, 581-586.	4.2	94
195	Surface photovoltage properties and photocatalytic activities of nanocrystalline CoFe ₂ O ₄ particles with porous superstructure fabricated by a modified chemical coprecipitation method. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2147-2155.	0.8	36
196	Evaluation of carbon-based materials in tubular biocathode microbial fuel cells in terms of hexavalent chromium reduction and electricity generation. <i>Chemical Engineering Journal</i> , 2011, 166, 652-661.	6.6	121
197	Bioelectrochemical systems for efficient recalcitrant wastes treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 481-491.	1.6	121
198	Water-Based Isotropically Conductive Adhesives: Towards Green and Low-Cost Flexible Electronics. <i>Advanced Functional Materials</i> , 2011, 21, 4582-4588.	7.8	88

#	ARTICLE	IF	CITATIONS
199	Copper-ion exchanged Ti-pillared clays for selective catalytic reduction of NO by propylene. Chemical Engineering Journal, 2011, 168, 1128-1133.	6.6	24
200	Oxidative degradation of azo dye by hydrogen peroxide electrogenerated in situ on anthraquinonemonosulphonate/polypyrrole composite cathode with heterogeneous CuO/ γ -Al ₂ O ₃ catalyst. Applied Catalysis B: Environmental, 2011, 106, 370-378.	10.8	65
201	Stable spinel type cobalt and copper oxide electrodes for O ₂ and H ₂ evolutions in alkaline solution. Electrochimica Acta, 2010, 55, 8197-8206.	2.6	35
202	Facile synthesis of ZnO/Zn ₂ TiO ₄ core/shell nanowires for photocatalytic oxidation of acetone. Journal of Hazardous Materials, 2010, 184, 864-868.	6.5	38
203	Effects of the geometry and operating temperature on the stability of Ti/IrO ₂ -SnO ₂ -Sb ₂ O ₅ electrodes for O ₂ evolution. Journal of Applied Electrochemistry, 2010, 40, 1797-1805.	1.5	18
204	FTIR study of the photocatalytic degradation of gaseous benzene over UV-irradiated TiO ₂ nanoballs synthesized by hydrothermal treatment in alkaline solution. Materials Research Bulletin, 2010, 45, 1889-1893.	2.7	17
205	Facile solution synthesis and characterization of CaCO ₃ microspheres with urchin-shaped structure. Materials Letters, 2010, 64, 71-73.	1.3	22
206	Electrochemical Method for Synthesis of a ZnFe ₂ O ₄ /TiO ₂ Composite Nanotube Array Modified Electrode with Enhanced Photoelectrochemical Activity. Advanced Functional Materials, 2010, 20, 2165-2174.	7.8	317
207	Synthesis, characterization and adsorptive performance of MgFe ₂ O ₄ nanospheres for SO ₂ removal. Journal of Hazardous Materials, 2010, 184, 704-709.	6.5	64
208	Correlations of WO ₃ species and structure with the catalytic performance of the selective oxidation of cyclopentene to glutaraldehyde on WO ₃ /TiO ₂ catalysts. Chemical Engineering Journal, 2010, 159, 242-246.	6.6	70
209	Porous "brick-like" NiFe ₂ O ₄ nanocrystals loaded with Ag species towards effective degradation of toluene. Chemical Engineering Journal, 2010, 165, 64-70.	6.6	53
210	Synthesis, structures and photocatalytic properties of a mononuclear copper complex with pyridine-carboxylato ligands. Inorganic Chemistry Communication, 2010, 13, 526-528.	1.8	18
211	High-efficient photooxidative degradation of dyes catalyzed by hetero-nuclear complex under light irradiation. Inorganic Chemistry Communication, 2010, 13, 1527-1529.	1.8	5
212	Experiments on Enhanced Heat Transfer of Self-Exciting Mode Oscillating-Flow Heat Pipe with Non-Uniform Structure. International Journal of Food Engineering, 2010, 6, .	0.7	0
213	Electroflotation. , 2010, , 263-277.		11
214	Techniques of Electrode Fabrication. , 2010, , 55-98.		5
215	Electrochemically Assisted Photocatalytic Degradation of 4-Chlorophenol by ZnFe ₂ O ₄ -Modified TiO ₂ Nanotube Array Electrode under Visible Light Irradiation. Environmental Science & Technology, 2010, 44, 5098-5103.	4.6	176
216	Gas-Liquid Equilibrium Data for the Mixture Gas of Sulfur Dioxide + Nitrogen with Poly(ethylene Terephthalate). Journal of Chemical Engineering Data, 2010, 55, 959-961.	1.0	21

#	ARTICLE	IF	CITATIONS
217	Gas-Liquid Equilibrium Data for Sulfur Dioxide + Nitrogen in Diethylene Glycol + Water at 298.15 K and 123.15 kPa. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 1446-1448.	1.0	17
218	Fabrication of Photoelectrode Materials. , 2010, , 473-513.		2
219	Environmental Photo(electro)catalysis: Fundamental Principles and Applied Catalysts. , 2010, , 371-442.		2
220	Iron-Based Magnetic Nanoparticles for Removal of Heavy Metals from Electroplating and Metal-Finishing Wastewater. , 2009, , 213-268.		3
221	iCVD growth of poly(N-vinylimidazole) and poly(N-vinylimidazole-co-N-vinylpyrrolidone). <i>Thin Solid Films</i> , 2009, 517, 3539-3542.	0.8	12
222	Facile fabrication, characterization, and enhanced photoelectrocatalytic degradation performance of highly oriented TiO ₂ nanotube arrays. <i>Journal of Nanoparticle Research</i> , 2009, 11, 2153-2162.	0.8	29
223	HFCVD of diamond and its application as electrode in aluminum electrolysis. <i>Thin Solid Films</i> , 2009, 517, 3559-3561.	0.8	4
224	As(V) adsorption on maghemite nanoparticles. <i>Journal of Hazardous Materials</i> , 2009, 166, 1415-1420.	6.5	368
225	Simultaneous photocatalytic removal of ammonium and nitrite in water using Ce ³⁺ /Ag ⁺ modified TiO ₂ . <i>Separation and Purification Technology</i> , 2009, 67, 244-248.	3.9	13
226	Fabrication and photo-electrocatalytic properties of highly oriented titania nanotube arrays with {101} crystal face. <i>Separation and Purification Technology</i> , 2009, 67, 135-140.	3.9	12
227	Evaluation of bias potential enhanced photocatalytic degradation of 4-chlorophenol with TiO ₂ nanotube fabricated by anodic oxidation method. <i>Chemical Engineering Journal</i> , 2009, 146, 30-35.	6.6	131
228	Structural and photovoltaic properties of highly ordered ZnFe ₂ O ₄ nanotube arrays fabricated by a facile sol-gel template method. <i>Acta Materialia</i> , 2009, 57, 2684-2690.	3.8	84
229	Experimental Study on the Heat Transfer Enhancement of Oscillating-Flow Heat Pipe by Acoustic Cavitation. <i>Drying Technology</i> , 2009, 27, 542-547.	1.7	12
230	Hydrogen Bonding and Interaction in the Absorption Processes of Sulfur Dioxide in Ethylene Glycol + Water Binary Desulfurization System. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 1287-1291.	1.8	53
231	Mechanical Properties Improvement of Waterborne Polyurethane Coating Films After Rewetting and Drying. <i>Drying Technology</i> , 2009, 27, 534-537.	1.7	3
232	Electrochemical degradation of bisphenol A on different anodes. <i>Water Research</i> , 2009, 43, 1968-1976.	5.3	212
233	Research and Application of Metallographical Image Edge Detection Based on Mathematical Morphology. , 2009, , .		3
234	Ionic liquid-facilitated synthesis and catalytic activity of highly dispersed Ag nanoclusters supported on TiO ₂ . <i>Journal of Materials Chemistry</i> , 2009, 19, 8223.	6.7	160

#	ARTICLE	IF	CITATIONS
235	Photoelectrocatalytic materials for environmental applications. <i>Journal of Materials Chemistry</i> , 2009, 19, 5089.	6.7	880
236	Photoelectrocatalytic Activity of a Cu ₂ O-Loaded Self-Organized Highly Oriented TiO ₂ Nanotube Array Electrode for 4-Chlorophenol Degradation. <i>Environmental Science & Technology</i> , 2009, 43, 858-863.	4.6	236
237	Potent Antibacterial Activities of Ag/TiO ₂ Nanocomposite Powders Synthesized by a One-Pot Sol-Gel Method. <i>Environmental Science & Technology</i> , 2009, 43, 2905-2910.	4.6	404
238	Selective oxidation of cyclopentene catalyzed by Pd(CH ₃ COO) ₂ -NPMoV under oxygen atmosphere. <i>Reaction Kinetics and Catalysis Letters</i> , 2008, 94, 191-198.	0.6	2
239	Isolation and identification of the thermophilic alkaline desulphuricant strain. <i>Science in China Series B: Chemistry</i> , 2008, 51, 158-165.	0.8	11
240	Hydrogen bonding interactions between ethylene glycol and water: density, excess molar volume, and spectral study. <i>Science in China Series B: Chemistry</i> , 2008, 51, 420-426.	0.8	88
241	Preparation and characterization of quaterinized chitosan/poly(acrylonitrile) composite nanofiltration membrane from anhydride mixture cross-linking. <i>Separation and Purification Technology</i> , 2008, 58, 393-399.	3.9	44
242	Combined electrocoagulation and electroflotation for removal of fluoride from drinking water. <i>Journal of Hazardous Materials</i> , 2008, 159, 452-457.	6.5	114
243	Electrochemical degradation of aqueous solution of Amaranth azo dye on ACF under potentiostatic model. <i>Dyes and Pigments</i> , 2008, 76, 440-446.	2.0	213
244	Factor Analysis Scales of Generalized Amino Acid Information as Applied in Predicting Interactions between the Human Amphiphysin-1 SH3 Domains and Their Peptide Ligands. <i>Chemical Biology and Drug Design</i> , 2008, 71, 345-351.	1.5	21
245	Synthesis of Cu ₂ O nano-whiskers by a novel wet-chemical route. <i>Materials Letters</i> , 2008, 62, 886-888.	1.3	44
246	Synthesis and photo-catalytic degradation property of nanostructured-ZnO with different morphology. <i>Materials Letters</i> , 2008, 62, 2359-2362.	1.3	70
247	Synthesis of ZnO/TiO ₂ nanotube composite film by a two-step route. <i>Materials Letters</i> , 2008, 62, 3691-3693.	1.3	73
248	Highly Oriented 1-D ZnO Nanorod Arrays on Zinc Foil: Direct Growth from Substrate, Optical Properties and Photocatalytic Activities. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7332-7336.	1.5	125
249	In Situ Assembly of Zeolite Nanocrystals into Mesoporous Aggregate with Single-Crystal-Like Morphology without Secondary Template. <i>Chemistry of Materials</i> , 2008, 20, 1670-1672.	3.2	76
250	Zeolite with tunable intracrystal mesoporosity synthesized with carbon aerogel as a secondary template. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 481-489.	2.2	20
251	Gas-Liquid Equilibrium Data for a Mixture Gas of Sulfur Dioxide + Nitrogen with Ethylene Glycol Aqueous Solutions at 298.15 K and 123.15 kPa. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2372-2374.	1.0	23
252	Gas-Liquid Equilibrium Data for the Mixture Gas of Sulfur Dioxide/Nitrogen with Ethylene Glycol at Temperatures from (298.15 to 313.15) K under Low Pressures. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 1479-1485.	1.0	41

#	ARTICLE	IF	CITATIONS
253	Long-Term Stable Ti ^{BDD} Electrode Fabricated with HFCVD Method Using Two-Stage Substrate Temperature. <i>Journal of the Electrochemical Society</i> , 2007, 154, D657.	1.3	18
254	Electrochemical Wastewater Treatment Processes. , 2007, , 57-106.		14
255	The 5th Asia-Pacific Drying Conference (ADC07) August 13 th -15, 2007, Hong Kong, China. <i>Drying Technology</i> , 2007, 25, 2059-2060.	1.7	0
256	Role of Freeze Drying in Nanotechnology. <i>Drying Technology</i> , 2007, 25, 29-35.	1.7	82
257	Physical Interpretation of Solids Drying: An Overview on Mathematical Modeling Research. <i>Drying Technology</i> , 2007, 25, 659-668.	1.7	53
258	Fabrication of Boron-Doped TiO ₂ Nanotube Array Electrode and Investigation of Its Photoelectrochemical Capability. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11836-11842.	1.5	271
259	High-quality diamond film deposition on a titanium substrate using the hot-filament chemical vapor deposition method. <i>Diamond and Related Materials</i> , 2007, 16, 1530-1540.	1.8	40
260	ISSUES IN FREEZE DRYING/LYOPHILIZATION OF AQUEOUS SOLUTIONS. , 2007, , .		0
261	Freeze drying with dielectric ^{assisted} microwave heating. <i>AIChE Journal</i> , 2007, 53, 3077-3088.	1.8	37
262	Initiated Chemical Vapor Deposition of Poly(furfuryl methacrylate). <i>Macromolecular Rapid Communications</i> , 2007, 28, 2205-2209.	2.0	26
263	Ultrasound assisted supercritical fluid extraction of oil and coixenolide from adlay seed. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 219-224.	3.8	114
264	Preparation of supported carbon molecular sieve membrane from novolac phenol ^{formaldehyde} resin. <i>Journal of Membrane Science</i> , 2007, 303, 80-85.	4.1	77
265	Comparative study of various magnetic nanoparticles for Cr(VI) removal. <i>Separation and Purification Technology</i> , 2007, 56, 249-256.	3.9	247
266	Performance and mechanism of chromate (VI) adsorption by γ -FeOOH-coated maghemite (γ -Fe ₂ O ₃) nanoparticles. <i>Separation and Purification Technology</i> , 2007, 58, 76-82.	3.9	170
267	EXPERIMENTAL STUDY ON MICROWAVE FREEZE DRYING OF SILICA GEL WITH DIELECTRIC MATERIAL ENHANCEMENT. , 2007, , .		0
268	EXPERIMENTAL STUDY ON THE HEAT TRANSFER ENHANCEMENT OF OSCILLATING-FLOW HEAT PIPE BY ACOUSTIC CAVITATION. , 2007, , .		0
269	Selective Removal of Heavy Metals from Industrial Wastewater Using Maghemite Nanoparticle: Performance and Mechanisms. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 709-715.	0.7	320
270	Anodic oxidation of Orange II on Ti/BDD electrode: Variable effects. <i>Separation and Purification Technology</i> , 2006, 48, 45-49.	3.9	105

#	ARTICLE	IF	CITATIONS
271	Electrochemical degradation of Amaranth aqueous solution on ACF. Journal of Hazardous Materials, 2006, 137, 1182-1188.	6.5	57
272	Active and Stable Ti ⁺ •Si ⁺ •BDD Anodes for Electro-oxidation. Journal of the Electrochemical Society, 2006, 153, J80.	1.3	42
273	MS2 Inactivation by Chloride-Assisted Electrochemical Disinfection. Journal of Environmental Engineering, ASCE, 2006, 132, 13-22.	0.7	32
274	Simple and Effective Way to Improve the Stability of Titanium Based Boron Doped Diamond Film Electrode. Materials Research Society Symposia Proceedings, 2006, 956, 1.	0.1	0
275	Stable Ti/RuO ₂ •Sb ₂ O ₅ •SnO ₂ electrodes for O ₂ evolution. Electrochimica Acta, 2005, 50, 4155-4159.	2.6	114
276	Heat and mass transfer model of dielectric-material-assisted microwave freeze-drying of skim milk with hygroscopic effect. Chemical Engineering Science, 2005, 60, 6542-6550.	1.9	57
277	Effect of plasma treatment on surface properties of TiO ₂ nanoparticulate films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 262, 181-186.	2.3	22
278	Removal of chromium(VI) from wastewater by combined electrocoagulation?electroflotation without a filter. Separation and Purification Technology, 2005, 43, 117-123.	3.9	220
279	Numerical simulation of conjugate heat and mass transfer process within cylindrical porous media with cylindrical dielectric cores in microwave freeze-drying. International Journal of Heat and Mass Transfer, 2005, 48, 561-572.	2.5	57
280	Comparison of Ti/BDD and Ti/SnO ₂ ?Sb ₂ O ₅ electrodes for pollutant oxidation. Journal of Applied Electrochemistry, 2005, 35, 185-191.	1.5	152
281	Investigation of Ti ⁺ •IrO ₂ •Sb ₂ O ₅ •SnO ₂ Electrodes for O ₂ Evolution. Journal of the Electrochemical Society, 2005, 152, J59.	1.3	31
282	Effect of Dielectric Material on Microwave Freeze Drying of Skim Milk. Drying Technology, 2005, 23, 317-340.	1.7	43
283	Theoretical Study on Microwave Freeze-Drying of an Aqueous Pharmaceutical Excipient with the Aid of Dielectric Material. Drying Technology, 2005, 23, 2147-2168.	1.7	43
284	Removal and recovery of Cr(VI) from wastewater by maghemite nanoparticles. Water Research, 2005, 39, 4528-4536.	5.3	925
285	Fast Removal and Recovery of Cr(VI) Using Surface-Modified Jacobsite (MnFe ₂ O ₄) Nanoparticles. Langmuir, 2005, 21, 11173-11179.	1.6	309
286	Improvement of ATO Electrode Stability by Doping with a Trace Amount of Ir. Electrochemical and Solid-State Letters, 2004, 7, J33.	2.2	2
287	Proper Hot Filament CVD Conditions for Fabrication of Ti-Boron Doped Diamond Electrodes. Journal of the Electrochemical Society, 2004, 151, B214.	1.3	18
288	Electrochemical technologies in wastewater treatment. Separation and Purification Technology, 2004, 38, 11-41.	3.9	2,585

#	ARTICLE	IF	CITATIONS
289	Synergetic degradation of 2,4-D by integrated photo- and electrochemical catalysis on a Pt doped TiO ₂ /Ti electrode. Separation and Purification Technology, 2004, 34, 73-79.	3.9	52
290	Salinity effect on freeze/thaw conditioning of activated sludge with and without chemical addition. Separation and Purification Technology, 2004, 34, 155-164.	3.9	14
291	Pore structure control of phenol-formaldehyde based carbon microfiltration membranes. Carbon, 2004, 42, 679-681.	5.4	19
292	Capacitive transducer for in-mold monitoring of injection molding. Polymer Engineering and Science, 2004, 44, 1571-1578.	1.5	29
293	Effect of inorganic matter on reactivity and kinetics of coal pyrolysis. Fuel, 2004, 83, 713-718.	3.4	190
294	Product distribution and sulfur behavior in coal pyrolysis. Fuel Processing Technology, 2004, 85, 849-861.	3.7	98
295	Effect of mineral on sulfur behavior during pressurized coal pyrolysis. Fuel Processing Technology, 2004, 85, 863-871.	3.7	42
296	Conjugate heat and mass transfer process within porous media with dielectric cores in microwave freeze drying. Chemical Engineering Science, 2004, 59, 2921-2928.	1.9	33
297	Nonisothermal Catalytic Liquefaction of Corn Stalk in Subcritical and Supercritical Water. Energy & Fuels, 2004, 18, 90-96.	2.5	109
298	Drying of a Dilute Suspension in a Revolving Flow Fluidized Bed of Inert Particles. Drying Technology, 2004, 22, 363-376.	1.7	19
299	Preparation, characterization and photoelectrocatalytic properties of nanocrystalline Fe ₂ O ₃ /TiO ₂ , ZnO/TiO ₂ , and Fe ₂ O ₃ /ZnO/TiO ₂ composite film electrodes towards pentachlorophenol degradation. Physical Chemistry Chemical Physics, 2004, 6, 659.	1.3	86
300	Development and characterization of composite nanofiltration membranes and their application in concentration of antibiotics. Separation and Purification Technology, 2003, 30, 27-35.	3.9	94
301	Kinetic study into the wet air oxidation of printing and dyeing wastewater. Separation and Purification Technology, 2003, 31, 71-76.	3.9	36
302	Separation of water and oil from water-in-oil emulsion by freeze/thaw method. Separation and Purification Technology, 2003, 31, 83-89.	3.9	95
303	Photocatalytic oxidation of cyclohexane over TiO ₂ nanoparticles by molecular oxygen under mild conditions. Journal of Chemical Technology and Biotechnology, 2003, 78, 1246-1251.	1.6	40
304	Catalytic wet air oxidation of wastewater containing ammonia and phenol over activated carbon supported Pt catalysts. Catalysis Today, 2003, 88, 37-47.	2.2	77
305	Electrochemical removal of fluoride ions from industrial wastewater. Chemical Engineering Science, 2003, 58, 987-993.	1.9	369
306	Anodic oxidation of dyes at novel Ti/B-diamond electrodes. Chemical Engineering Science, 2003, 58, 995-1001.	1.9	160

#	ARTICLE	IF	CITATIONS
307	Osmotic Dehydration Pretreatment in Drying of Fruits and Vegetables. <i>Drying Technology</i> , 2003, 21, 1101-1114.	1.7	82
308	Linear free energy relationships for dechlorination of aromatic chlorides by Pd/Fe. <i>Chemosphere</i> , 2003, 50, 1275-1279.	4.2	14
309	High-Performance Ti/BDD Electrodes for Pollutant Oxidation. <i>Environmental Science & Technology</i> , 2003, 37, 5021-5026.	4.6	156
310	Numerical Investigation on Dielectric Material Assisted Microwave Freeze-Drying of Aqueous Mannitol Solution. <i>Drying Technology</i> , 2003, 21, 995-1017.	1.7	47
311	Behavior of Electro-osmotic Dewatering of Biological Sludge with Salinity. <i>Separation Science and Technology</i> , 2003, 38, 903-915.	1.3	12
312	LUBRICATING OIL SLUDGE AND ITS DEMULSIFICATION. <i>Drying Technology</i> , 2002, 20, 1009-1018.	1.7	16
313	Electrochemical Behavior of Novel Ti/IrOx ⁺ Sb ₂ O ₅ ⁺ SnO ₂ Anodes. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4364-4369.	1.2	148
314	SLUDGE DEWATERING AND DRYING. <i>Drying Technology</i> , 2002, 20, 883-916.	1.7	227
315	Novel Electrode System for Electroflotation of Wastewater. <i>Environmental Science & Technology</i> , 2002, 36, 778-783.	4.6	171
316	SIMULATION OF FLUIDIZED-BED DRYING OF CARROT WITH MICROWAVE HEATING. <i>Drying Technology</i> , 2002, 20, 1855-1867.	1.7	28
317	On the ratio of heat to mass transfer coefficient for water evaporation and its impact upon drying modeling. <i>International Journal of Heat and Mass Transfer</i> , 2002, 45, 4369-4372.	2.5	20
318	Glass recycling in cement production—an innovative approach. <i>Waste Management</i> , 2002, 22, 747-753.	3.7	129
319	Coal liquefaction with in situ impregnated Fe ₂ (MoS ₄) ₃ bimetallic catalyst. <i>Fuel</i> , 2002, 81, 1521-1524.	3.4	9
320	Preparation of carbon adsorbents with high surface area and a model for calculating surface area. <i>Carbon</i> , 2002, 40, 277-284.	5.4	52
321	Preparation of carbon molecular sieve membrane from phenol—formaldehyde Novolac resin. <i>Carbon</i> , 2002, 40, 465-467.	5.4	46
322	Investigation on the electrolysis voltage of electrocoagulation. <i>Chemical Engineering Science</i> , 2002, 57, 2449-2455.	1.9	171
323	Preparation and characterization of superparamagnetic nanocrystalline cobalt ferrite materials. <i>Journal of Materials Science Letters</i> , 2002, 21, 1881-1883.	0.5	17
324	Catalytic dechlorination of chlorophenols in water by palladium/iron. <i>Water Research</i> , 2001, 35, 1887-1890.	5.3	142

#	ARTICLE	IF	CITATIONS
325	On the degradability of printing and dyeing wastewater by wet air oxidation. <i>Water Research</i> , 2001, 35, 2078-2080.	5.3	53
326	Stable Ti/IrOx~Sb2O5~SnO2 Anode for O2 Evolution with Low Ir Content. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4623-4628.	1.2	185
327	Enhanced Electro-osmotic Dewatering of Fine Particle Suspension Using a Rotating Anode. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 1859-1863.	1.8	30
328	Salinity Effect on Mechanical Dewatering of Sludge with and without Chemical Conditioning. <i>Environmental Science & Technology</i> , 2001, 35, 4691-4696.	4.6	121
329	Catalytic Liquefaction of Coal with Highly Dispersed Fe2S3 Impregnated in-Situ. <i>Energy & Fuels</i> , 2001, 15, 830-834.	2.5	18
330	Theoretical study of microwave heating patterns on batch fluidized bed drying of porous material. <i>Chemical Engineering Science</i> , 2001, 56, 6823-6835.	1.9	66
331	Homogeneous Catalytic Wet-Air Oxidation for the Treatment of Textile Wastewater. <i>Water Environment Research</i> , 2000, 72, 147-151.	1.3	15
332	Heat and mass transfer in batch fluidized-bed drying of porous particles. <i>Chemical Engineering Science</i> , 2000, 55, 1857-1869.	1.9	67
333	Effect of solvent swelling on liquefaction of Xinglong coal at less severe conditions. <i>Fuel Processing Technology</i> , 2000, 68, 33-43.	3.7	30
334	Separation of pollutants from restaurant wastewater by electrocoagulation. <i>Separation and Purification Technology</i> , 2000, 19, 65-76.	3.9	675
335	Wet Air Oxidation of Desizing Wastewater from the Textile Industry. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 2896-2901.	1.8	57
336	Electrocoagulation and Electroflotation of Restaurant Wastewater. <i>Journal of Environmental Engineering, ASCE</i> , 2000, 126, 858-863.	0.7	209
337	Treatment of Desizing Wastewater Containing Poly(vinyl alcohol) by Wet Air Oxidation. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 1193-1197.	1.8	18
338	Theoretical Study of Fluidized-Bed Drying with Microwave Heating. <i>Industrial & Engineering Chemistry Research</i> , 2000, 39, 775-782.	1.8	28
339	QUANTIFICATION OF THROUGH DRYING RATE DATA. <i>Drying Technology</i> , 1999, 17, 1707-1723.	1.7	2
340	Theoretical study on concentration polarization in gas separation membrane processes. <i>Journal of Membrane Science</i> , 1999, 153, 243-258.	4.1	143
341	Preparation of UF and NF poly (phthalazine ether sulfone ketone) membranes for high temperature application. <i>Journal of Membrane Science</i> , 1999, 161, 185-191.	4.1	108
342	Heat and mass transfer during low intensity convection drying. <i>Chemical Engineering Science</i> , 1999, 54, 3899-3908.	1.9	49

#	ARTICLE	IF	CITATIONS
343	Heat and mass transfer in fixed-bed drying. <i>Chemical Engineering Science</i> , 1999, 54, 4233-4243.	1.9	35
344	Extraction of Huadian oil shale with water in sub- and supercritical states. <i>Fuel</i> , 1999, 78, 645-651.	3.4	76
345	Bean curd wastewater treatment by membrane separation. <i>Separation and Purification Technology</i> , 1999, 15, 175-180.	3.9	18
346	Wet Oxidation of High-Concentration Reactive Dyes. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 1837-1843.	1.8	62
347	Through Drying of Paper. <i>Drying Technology</i> , 1997, 15, 295-314.	1.7	11
348	Pilot scale membrane separation of electroplating waste water by reverse osmosis. <i>Journal of Membrane Science</i> , 1997, 123, 235-242.	4.1	65
349	Treatment of textile desizing wastewater by pilot scale nanofiltration membrane separation. <i>Journal of Membrane Science</i> , 1997, 127, 93-99.	4.1	107
350	Fundamental characteristics of combined impingement and through air drying of paper. <i>Canadian Journal of Chemical Engineering</i> , 1997, 75, 167-175.	0.9	1
351	Quantitative analysis of combined impingement and through air drying of paper. <i>Canadian Journal of Chemical Engineering</i> , 1997, 75, 176-189.	0.9	1
352	Impingement Drying of Paper. <i>Drying Technology</i> , 1995, 13, 1331-1344.	1.7	9
353	Impingement and Through Air Drying of Paper. <i>Drying Technology</i> , 1995, 13, 479-480.	1.7	4
354	Understanding the Roles of Sulfur Doping for Enhancing of Hydrophilicity and Electrochemical Performance of N,S-Codoped Hierarchically Porous Carbon. <i>ACS Applied Energy Materials</i> , 0, , .	2.5	5
355	Electrically and Electrochemically Assisted Nanofiltration: A Promising Approach for Fouling Mitigation. , 0, , .		2