

# Lianjun Wang

## List of Publications by Year in descending order

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370  
papers

15,377  
citations

19608

61  
h-index

32761

100  
g-index

375  
all docs

375  
docs citations

375  
times ranked

15733  
citing authors

#	ARTICLE	IF	CITATIONS
1	Singlet oxygen-dominated non-radical oxidation process for efficient degradation of bisphenol A under high salinity condition. <i>Water Research</i> , 2019, 148, 416-424.	5.3	691
2	Surface and Interface Engineering of Silicon-Based Anode Materials for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1701083.	10.2	354
3	Amorphous TiO <sub>2</sub> Shells: A Vital Elastic Buffering Layer on Silicon Nanoparticles for High-Performance and Safe Lithium Storage. <i>Advanced Materials</i> , 2017, 29, 1700523.	11.1	342
4	Preparation and electrical properties of graphene nanosheet/Al <sub>2</sub> O <sub>3</sub> composites. <i>Carbon</i> , 2010, 48, 1743-1749.	5.4	315
5	Improved Thermoelectric Performance of Silver Nanoparticles-Dispersed Bi <sub>2</sub> Te <sub>3</sub> Composites Deriving from Hierarchical Two-Phased Heterostructure. <i>Advanced Functional Materials</i> , 2015, 25, 966-976.	7.8	243
6	Silicon/Mesoporous Carbon/Crystalline TiO <sub>2</sub> Nanoparticles for Highly Stable Lithium Storage. <i>ACS Nano</i> , 2016, 10, 10524-10532.	7.3	230
7	Stretchable fabric generates electric power from woven thermoelectric fibers. <i>Nature Communications</i> , 2020, 11, 572.	5.8	212
8	Engineering the Distribution of Carbon in Silicon Oxide Nanospheres at the Atomic Level for Highly Stable Anodes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6669-6673.	7.2	209
9	Efficient Removal of Organic Pollutants by Metal-organic Framework Derived Co/C Yolk-Shell Nanoreactors: Size-Exclusion and Confinement Effect. <i>Environmental Science &amp; Technology</i> , 2020, 54, 10289-10300.	4.6	193
10	Synthesis of N-Doped Hollow-Structured Mesoporous Carbon Nanospheres for High-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 7194-7204.	4.0	190
11	In Situ Growth of ZIF-8 on PAN Fibrous Filters for Highly Efficient U(VI) Removal. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 24164-24171.	4.0	175
12	Electrospun ZIF-based hierarchical carbon fiber as an efficient electrocatalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1211-1220.	5.2	161
13	Nitrogen-Doped Hollow Mesoporous Carbon Spheres for Efficient Water Desalination by Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6635-6644.	3.2	157
14	Metal-organic framework derived Co <sub>3</sub> O <sub>4</sub> /C@SiO <sub>2</sub> yolk-shell nanoreactors with enhanced catalytic performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11226-11235.	5.2	153
15	A Micelle Fusion-Aggregation Assembly Approach to Mesoporous Carbon Materials with Rich Active Sites for Ultrasensitive Ammonia Sensing. <i>Journal of the American Chemical Society</i> , 2016, 138, 12586-12595.	6.6	152
16	Tailoring the Assembly of Iron Nanoparticles in Carbon Microspheres toward High-Performance Electrocatalytic Denitrification. <i>Nano Letters</i> , 2019, 19, 5423-5430.	4.5	147
17	Highly Conductive Few-Layer Graphene/Al <sub>2</sub> O <sub>3</sub> Nanocomposites with Tunable Charge Carrier Type. <i>Advanced Functional Materials</i> , 2012, 22, 3882-3889.	7.8	145
18	Residual Chlorine Induced Cationic Active Species on a Porous Copper Electrocatalyst for Highly Stable Electrochemical CO <sub>2</sub> Reduction to C <sub>2+</sub> . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11487-11493.	7.2	145

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19	Controllable Synthesis of Functional Hollow Carbon Nanostructures with Dopamine As Precursor for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 18609-18617.	4.0	144
20	Nanostructured CoP: An efficient catalyst for degradation of organic pollutants by activating peroxymonosulfate. <i>Journal of Hazardous Materials</i> , 2017, 329, 92-101.	6.5	141
21	Electrochemical degradation of pyridine by Ti/SnO <sub>2</sub> -Sb tubular porous electrode. <i>Chemosphere</i> , 2016, 149, 49-56.	4.2	136
22	Realizing high-performance thermoelectric power generation through grain boundary engineering of skutterudite-based nanocomposites. <i>Nano Energy</i> , 2017, 41, 501-510.	8.2	130
23	Confined pyrolysis of metal-organic frameworks to N-doped hierarchical carbon for non-radical dominated advanced oxidation processes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12547-12555.	5.2	130
24	Hydrophilic Hollow Nanocube-Functionalized Thin Film Nanocomposite Membrane with Enhanced Nanofiltration Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 5344-5352.	4.0	125
25	High-Efficiency Thermoelectric Power Generation Enabled by Homogeneous Incorporation of MXene in (Bi,Sb) <sub>2</sub> Te <sub>3</sub> Matrix. <i>Advanced Energy Materials</i> , 2020, 10, 1902986.	10.2	109
26	Effect of TiC content on the microstructure and properties of Ti <sub>3</sub> SiC <sub>2</sub> -TiC composites in situ fabricated by spark plasma sintering. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 487, 137-143.	2.6	106
27	Electrochemical degradation of nitrobenzene by anodic oxidation on the constructed TiO <sub>2</sub> -NTs/SnO <sub>2</sub> -Sb/PbO <sub>2</sub> electrode. <i>Chemosphere</i> , 2014, 113, 48-55.	4.2	105
28	Efficient nitro reduction and dechlorination of 2,4-dinitrochlorobenzene through the integration of bioelectrochemical system into upflow anaerobic sludge blanket: A comprehensive study. <i>Water Research</i> , 2016, 88, 257-265.	5.3	102
29	Substantial enhancement of anaerobic pyridine bio-mineralization by electrical stimulation. <i>Water Research</i> , 2018, 130, 291-299.	5.3	101
30	Overexpression of IbP5CR enhances salt tolerance in transgenic sweetpotato. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 117, 1-16.	1.2	100
31	Hollow Mesoporous Carbon Nanocubes: Rigid-Interface-Induced Outward Contraction of Metal-Organic Frameworks. <i>Advanced Functional Materials</i> , 2018, 28, 1705253.	7.8	100
32	Recent development in reactive synthesis of nanostructured bulk materials by spark plasma sintering. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 39, 103-112.	1.7	99
33	Ultrathin and Light-Weight Graphene Aerogel with Precisely Tunable Density for Highly Efficient Microwave Absorbing. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46386-46396.	4.0	97
34	Yolk-Shell Fe <sup>0</sup> @SiO <sub>2</sub> Nanoparticles as Nanoreactors for Fenton-like Catalytic Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 13167-13173.	4.0	95
35	SBA-15-incorporated nanoscale zero-valent iron particles for chromium(VI) removal from groundwater: Mechanism, effect of pH, humic acid and sustained reactivity. <i>Journal of Hazardous Materials</i> , 2014, 266, 26-33.	6.5	93
36	Positively Charged Nanofiltration Membrane with Dendritic Surface for Toxic Element Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 784-792.	3.2	93

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37	N-doped Cu-MOFs for efficient electrochemical determination of dopamine and sulfanilamide. <i>Journal of Hazardous Materials</i> , 2020, 390, 122157.	6.5	93
38	Preparation and thermoelectric properties of multi-walled carbon nanotube/polyaniline hybrid nanocomposites. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12109.	5.2	91
39	Lead-Free Halide Double Perovskite Nanocrystals for Light-Emitting Applications: Strategies for Boosting Efficiency and Stability. <i>Advanced Science</i> , 2021, 8, 2004118.	5.6	90
40	Flexible cellulose-based thermoelectric sponge towards wearable pressure sensor and energy harvesting. <i>Chemical Engineering Journal</i> , 2018, 338, 1-7.	6.6	87
41	Sequential Ultrafiltration-Catalysis Membrane for Excellent Removal of Multiple Pollutants in Water. <i>Environmental Science &amp; Technology</i> , 2021, 55, 2652-2661.	4.6	87
42	The effect of homogeneously dispersed few-layer graphene on microstructure and mechanical properties of Al <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Journal of the European Ceramic Society</i> , 2014, 34, 443-451.	2.8	85
43	Coupling of a bioelectrochemical system for p-nitrophenol removal in an upflow anaerobic sludge blanket reactor. <i>Water Research</i> , 2014, 67, 11-18.	5.3	85
44	Rapid fabrication of Ti <sub>3</sub> SiC <sub>2</sub> @SiC nanocomposite using the spark plasma sintering-reactive synthesis (SPS-RS) method. <i>Scripta Materialia</i> , 2007, 56, 241-244.	2.6	84
45	Sulfonated reduced graphene oxide as a conductive layer in sulfonated poly(ether ether ketone) nanocomposite membranes. <i>Journal of Membrane Science</i> , 2017, 524, 663-672.	4.1	84
46	Hierarchical Branched Mesoporous TiO <sub>2</sub> @SnO <sub>2</sub> Nanocomposites with Well-Defined n Heterojunctions for Highly Efficient Ethanol Sensing. <i>Advanced Science</i> , 2019, 6, 1902008.	5.6	84
47	Dual-Functional Ultrafiltration Membrane for Simultaneous Removal of Multiple Pollutants with High Performance. <i>Environmental Science &amp; Technology</i> , 2017, 51, 5098-5107.	4.6	81
48	Boron doping-induced interconnected assembly approach for mesoporous silicon oxycarbide architecture. <i>National Science Review</i> , 2021, 8, nwaa152.	4.6	77
49	Graphene promoted oxygen vacancies in perovskite for enhanced thermoelectric properties. <i>Carbon</i> , 2017, 112, 169-176.	5.4	76
50	Concentration and Recovery of Dyes from Textile Wastewater Using a Self-Standing, Support-Free Forward Osmosis Membrane. <i>Environmental Science &amp; Technology</i> , 2019, 53, 3078-3086.	4.6	76
51	Developing new adsorptive membrane by modification of support layer with iron oxide microspheres for arsenic removal. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 760-768.	5.0	75
52	Preparation and Consolidation of Alumina/Graphene Composite Powders. <i>Materials Transactions</i> , 2009, 50, 749-751.	0.4	74
53	Nanostructured binary copper chalcogenides: synthesis strategies and common applications. <i>Nanoscale</i> , 2018, 10, 15130-15163.	2.8	73
54	Nano Wave Plates Structuring and Index Matching in Transparent Hydroxyapatite@YAG: Ce Composite Ceramics for High Luminous Efficiency White Light-Emitting Diodes. <i>Advanced Materials</i> , 2020, 32, e1905951.	11.1	71

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55	Convenient synthesis and engineering of ultrafine Co <sub>3</sub> O <sub>4</sub> -incorporated carbon composite: towards practical application of environmental remediation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3454-3461.	5.2	70
56	Feasibility of concentrating textile wastewater using a hybrid forward osmosis-membrane distillation (FO-MD) process: Performance and economic evaluation. <i>Water Research</i> , 2020, 172, 115488.	5.3	70
57	Iron-copper bimetallic nanoparticles supported on hollow mesoporous silica spheres: the effect of Fe/Cu ratio on heterogeneous Fenton degradation of a dye. <i>RSC Advances</i> , 2016, 6, 54623-54635.	1.7	69
58	Reuse of Fenton sludge as an iron source for NiFe <sub>2</sub> O <sub>4</sub> synthesis and its application in the Fenton-based process. <i>Journal of Environmental Sciences</i> , 2017, 53, 1-8.	3.2	68
59	Fractionation and Concentration of High-Salinity Textile Wastewater using an Ultra-Permeable Sulfonated Thin-film Composite. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9252-9260.	4.6	67
60	Iron-tannin-framework complex modified PES ultrafiltration membranes with enhanced filtration performance and fouling resistance. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 642-652.	5.0	67
61	A red phosphor LaSc <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> :Eu <sup>3+</sup> with zero-thermal-quenching and high quantum efficiency for LEDs. <i>Chemical Engineering Journal</i> , 2021, 404, 125912.	6.6	67
62	Electrical and Mechanical Properties of Fine-Grained Li/Ta-Modified (Na,K)NbO <sub>3</sub> -Based Piezoceramics Prepared by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1378-1383.	1.9	64
63	Aerobic granulation strategy for bioaugmentation of a sequencing batch reactor (SBR) treating high strength pyridine wastewater. <i>Journal of Hazardous Materials</i> , 2015, 295, 153-160.	6.5	64
64	Poly(2,5-benzimidazole)-Grafted Graphene Oxide as an Effective Proton Conductor for Construction of Nanocomposite Proton Exchange Membrane. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33049-33058.	4.0	64
65	Electrically Conductive and Mechanically Strong Graphene/Mullite Ceramic Composites for High-Performance Electromagnetic Interference Shielding. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39245-39256.	4.0	64
66	Coupling of iron shavings into the anaerobic system for enhanced 2,4-dinitroanisole reduction in wastewater. <i>Water Research</i> , 2016, 101, 457-466.	5.3	63
67	Recycling flue gas desulphurization (FGD) gypsum for removal of Pb(II) and Cd(II) from wastewater. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 86-95.	5.0	62
68	Conversion of waste FGD gypsum into hydroxyapatite for removal of Pb <sup>2+</sup> and Cd <sup>2+</sup> from wastewater. <i>Journal of Colloid and Interface Science</i> , 2014, 429, 68-76.	5.0	61
69	Silicon: toward eco-friendly reduction techniques for lithium-ion battery applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24715-24737.	5.2	61
70	Rapidly sintering nanosized SiC particle reinforced TiC composites by the spark plasma sintering (SPS) technique. <i>Journal of Materials Science</i> , 2004, 39, 4515-4519.	1.7	60
71	Facile Synthesis of Smart Nanocontainers as Key Components for Construction of Self-Healing Coating with Superhydrophobic Surfaces. <i>Nanoscale Research Letters</i> , 2016, 11, 231.	3.1	60
72	Facilitated bio-mineralization of N,N-dimethylformamide in anoxic denitrification system: Long-term performance and biological mechanism. <i>Water Research</i> , 2020, 186, 116306.	5.3	60

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73	Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2021, 21, 700-708.	4.5	60
74	Substantially enhanced anaerobic reduction of nitrobenzene by biochar stabilized sulfide-modified nanoscale zero-valent iron: Process and mechanisms. <i>Environment International</i> , 2019, 131, 105020.	4.8	59
75	Microstructure and properties of Ti <sub>3</sub> SiC <sub>2</sub> /SiC nanocomposites fabricated by spark plasma sintering. <i>Composites Science and Technology</i> , 2008, 68, 499-505.	3.8	58
76	Zwitterionic carbon nanotube assisted thin-film nanocomposite membranes with excellent efficiency for separation of mono/divalent ions from brackish water. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13730-13739.	5.2	58
77	Enhancing the performance of Ce:YAG phosphor-in-silica-glass by controlling interface reaction. <i>Acta Materialia</i> , 2017, 130, 289-296.	3.8	58
78	A novel red phosphor Ba <sub>2</sub> La <sub>4</sub> Y <sub>4</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> :Eu <sup>3+</sup> with high quantum yield and thermal stability for warm white LEDs. <i>Journal of Alloys and Compounds</i> , 2019, 789, 381-391.	2.8	58
79	Iron-copper bimetallic nanoparticles supported on hollow mesoporous silica spheres: an effective heterogeneous Fenton catalyst for orange II degradation. <i>RSC Advances</i> , 2015, 5, 69593-69605.	1.7	57
80	Nitrogen-enriched carbon sheet for Methyl blue dye adsorption. <i>Journal of Environmental Management</i> , 2018, 215, 123-131.	3.8	57
81	Achieving high-performance nitrate electrocatalysis with PdCu nanoparticles confined in nitrogen-doped carbon coralline. <i>Nanoscale</i> , 2018, 10, 19023-19030.	2.8	57
82	Synthesis of freestanding PEDOT:PSS/PVA@Ag NPs nanofiber film for high-performance flexible thermoelectric generator. <i>Polymer</i> , 2019, 167, 102-108.	1.8	55
83	The effect of reduced graphene oxide on microstructure and thermoelectric properties of Nb-doped A-site-deficient SrTiO <sub>3</sub> ceramics. <i>Journal of Alloys and Compounds</i> , 2019, 786, 884-893.	2.8	55
84	Enhanced thermoelectric and mechanical properties of Na-doped polycrystalline SnSe thermoelectric materials via CNTs dispersion. <i>Journal of Alloys and Compounds</i> , 2018, 741, 756-764.	2.8	54
85	Thin Film Thermoelectric Materials: Classification, Characterization, and Potential for Wearable Applications. <i>Coatings</i> , 2018, 8, 244.	1.2	54
86	Porous N-doped Ni@SiO <sub>2</sub> /graphene network: Three-dimensional hierarchical architecture for strong and broad electromagnetic wave absorption. <i>Journal of Materials Science and Technology</i> , 2022, 106, 108-117.	5.6	54
87	Spatial, seasonal and particle size dependent variations of PAH contamination in indoor dust and the corresponding human health risk. <i>Science of the Total Environment</i> , 2019, 653, 423-430.	3.9	53
88	Enhanced nitrobenzene reduction by modified biochar supported sulfidated nano zerovalent iron: Comparison of surface modification methods. <i>Science of the Total Environment</i> , 2019, 694, 133701.	3.9	52
89	Prussian blue analogues-derived bimetallic iron-cobalt selenides for efficient overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2019, 548, 48-55.	5.0	52
90	Size effects of platinum particles@CNT on HER and ORR performance. <i>Science China Materials</i> , 2020, 63, 2517-2529.	3.5	52

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91	Large-Scale Synthesis of Biomass@MOF-Derived Porous Carbon/Cobalt Nanofiber for Environmental Remediation by Advanced Oxidation Processes. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 249-260.	3.7	52
92	Modulating the Electronic Structure of FeCo Nanoparticles in N-Doped Mesoporous Carbon for Efficient Oxygen Reduction Reaction. <i>Advanced Science</i> , 2022, 9, e2200394.	5.6	52
93	Preparation and Mechanical Properties of Graphene Nanosheet Reinforced Alumina Composites. <i>Advanced Engineering Materials</i> , 2015, 17, 28-35.	1.6	51
94	A phenolic resin-assisted strategy for MOF-derived hierarchical Co/N-doped carbon rhombic dodecahedra for electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5173-5178.	5.2	51
95	Controlled synthesis of bimetallic Prussian blue analogues to activate peroxymonosulfate for efficient bisphenol A degradation. <i>Journal of Hazardous Materials</i> , 2020, 387, 121701.	6.5	51
96	A Novel $\beta$ -Hydrolase Gene <i>lbMas</i> Enhances Salt Tolerance in Transgenic Sweetpotato. <i>PLoS ONE</i> , 2014, 9, e115128.	1.1	51
97	Porous tubular carbon nanorods with excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12198.	5.2	50
98	Fouling behavior of polyethersulfone ultrafiltration membranes functionalized with sol-gel formed ZnO nanoparticles. <i>RSC Advances</i> , 2015, 5, 50711-50719.	1.7	50
99	An efficient thermoelectric material: preparation of reduced graphene oxide/polyaniline hybrid composites by cryogenic grinding. <i>RSC Advances</i> , 2015, 5, 8988-8995.	1.7	50
100	Controllable synthesis of N-doped hollow-structured mesoporous carbon spheres by an amine-induced Stober-silica/carbon assembly process. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11916-11923.	5.2	50
101	Metal-Organic Framework-Derived Hollow Carbon Nanocubes for Fast Solid-Phase Microextraction of Polycyclic Aromatic Hydrocarbons. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15051-15057.	4.0	50
102	A Self-Standing, Support-Free Membrane for Forward Osmosis with No Internal Concentration Polarization. <i>Environmental Science and Technology Letters</i> , 2018, 5, 266-271.	3.9	50
103	Simultaneous debromination and mineralization of bromophenol in an up-flow electricity-stimulated anaerobic system. <i>Water Research</i> , 2019, 157, 8-18.	5.3	50
104	Microstructure and properties of Al <sub>2</sub> O <sub>3</sub> -TiC nanocomposites fabricated by spark plasma sintering from high-energy ball milled reactants. <i>Journal of the European Ceramic Society</i> , 2006, 26, 3393-3397.	2.8	49
105	Monodisperse mesoporous TiO <sub>2</sub> microspheres for dye sensitized solar cells. <i>Nano Energy</i> , 2016, 26, 16-25.	8.2	49
106	Electrochemical treatment of flutriafol wastewater using a novel 3D macroporous PbO <sub>2</sub> filter: Operating parameters, mechanism and toxicity assessment. <i>Journal of Hazardous Materials</i> , 2018, 358, 187-197.	6.5	49
107	Modified hydrous zirconium oxide/PAN nanofibers for efficient defluoridation from groundwater. <i>Science of the Total Environment</i> , 2019, 685, 401-409.	3.9	49
108	Mesoporous Materials-Based Electrochemical Biosensors from Enzymatic to Nonenzymatic. <i>Small</i> , 2021, 17, e1904022.	5.2	49

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109	High temperature electrical and thermal properties of the bulk carbon nanotube prepared by SPS. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 420, 208-211.	2.6	48
110	A synergetic analysis method for antifouling behavior investigation on PES ultrafiltration membrane with self-assembled TiO <sub>2</sub> nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 164-176.	5.0	48
111	Rapid Reactive Synthesis and Sintering of Submicron TiC/SiC Composites through Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , 2004, 87, 1157-1160.	1.9	47
112	Removal of phosphate from wastewater using alkaline residue. <i>Journal of Environmental Sciences</i> , 2014, 26, 970-980.	3.2	47
113	Synthesis of ZSM-5 aggregates made of zeolite nanocrystals through a simple solvent-free method. <i>Microporous and Mesoporous Materials</i> , 2017, 243, 112-118.	2.2	47
114	Fabrication of high purity Ti <sub>3</sub> SiC <sub>2</sub> from Ti/Si/C with the aids of Al by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2007, 437, 203-207.	2.8	46
115	On-line separation and pre-concentration on a mesoporous silica-grafted graphene oxide adsorbent coupled with solution cathode glow discharge-atomic emission spectrometry for the determination of lead. <i>Microchemical Journal</i> , 2017, 130, 353-359.	2.3	46
116	Uniform dispersion of SiC in Yb-filled skutterudite nanocomposites with high thermoelectric and mechanical performance. <i>Scripta Materialia</i> , 2019, 162, 166-171.	2.6	46
117	Preparation of 1-D/3-D structured AgNWs/Bi <sub>2</sub> Te <sub>3</sub> nanocomposites with enhanced thermoelectric properties. <i>Acta Materialia</i> , 2014, 73, 37-47.	3.8	45
118	Preparation and properties of reduced graphene oxide/fused silica composites. <i>Carbon</i> , 2014, 77, 66-75.	5.4	45
119	Carbon-Encapsulated Copper Sulfide Leading to Enhanced Thermoelectric Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22457-22463.	4.0	45
120	Antifouling and High Flux Sulfonated Polyamide Thin-Film Composite Membrane for Nanofiltration. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 4726-4733.	1.8	44
121	Comprehensive comparison of bacterial communities in a membrane-free bioelectrochemical system for removing different mononitrophenols from wastewater. <i>Bioresource Technology</i> , 2016, 216, 645-652.	4.8	44
122	Bioaugmentation potential of a newly isolated strain <i>Sphingomonas</i> sp. NJUST37 for the treatment of wastewater containing highly toxic and recalcitrant tricyclazole. <i>Bioresource Technology</i> , 2018, 264, 98-105.	4.8	44
123	Enhanced heterogeneous Fenton-like systems based on highly dispersed Fe <sub>0</sub> -Fe <sub>2</sub> O <sub>3</sub> nanoparticles embedded ordered mesoporous carbon composite catalyst. <i>Environmental Pollution</i> , 2018, 243, 1068-1077.	3.7	43
124	Fabrication and characterization of nano-SiC particles reinforced TiC/SiC nano composites. <i>Materials Letters</i> , 2004, 58, 1401-1404.	1.3	42
125	Effect of holding time and pressure on properties of ZrB <sub>2</sub> -SiC composite fabricated by the spark plasma sintering reactive synthesis method. <i>International Journal of Refractory Metals and Hard Materials</i> , 2009, 27, 177-180.	1.7	42
126	Nanosized yolk-shell Fe <sub>3</sub> O <sub>4</sub> @Zr(OH) spheres for efficient removal of Pb(II) from aqueous solution. <i>Journal of Hazardous Materials</i> , 2016, 309, 1-9.	6.5	42



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127	Enhanced anoxic biodegradation of pyridine coupled to nitrification in an inner loop anoxic/oxic-dynamic membrane bioreactor (A/O-DMBR). <i>Bioresource Technology</i> , 2018, 267, 626-633.	4.8	42
128	Mechanical properties and bioactivity of $\beta$ -Ca <sub>2</sub> SiO <sub>4</sub> ceramics synthesized by spark plasma sintering. <i>Ceramics International</i> , 2011, 37, 2459-2465.	2.3	41
129	Recent progress in ceramic matrix composites reinforced with graphene nanoplatelets. <i>Rare Metals</i> , 2020, 39, 513-528.	3.6	40
130	Enhanced thermoelectric performance of Se-doped PbTe bulk materials via nanostructuring and multi-scale hierarchical architecture. <i>Journal of Alloys and Compounds</i> , 2017, 725, 563-572.	2.8	40
131	One-pot fabrication and thermoelectric properties of Ag nanoparticles@polyaniline hybrid nanocomposites. <i>RSC Advances</i> , 2014, 4, 26810-26816.	1.7	39
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