

# Lianjun Wang

## List of Publications by Citations

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364  
papers

10,262  
citations

49  
h-index

79  
g-index

375  
ext. papers

12,837  
ext. citations

7.2  
avg, IF

6.69  
L-index

#	Paper	IF	Citations
364	Singlet oxygen-dominated non-radical oxidation process for efficient degradation of bisphenol A under high salinity condition. <i>Water Research</i> , <b>2019</b> , 148, 416-424	12.5	350
363	Preparation and electrical properties of graphene nanosheet/Al <sub>2</sub> O <sub>3</sub> composites. <i>Carbon</i> , <b>2010</b> , 48, 1743-1749	17.49	283
362	Amorphous TiO Shells: A Vital Elastic Buffering Layer on Silicon Nanoparticles for High-Performance and Safe Lithium Storage. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700523	24	265
361	Surface and Interface Engineering of Silicon-Based Anode Materials for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1701083	21.8	249
360	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> , <b>2015</b> , 25, 966-976	15.6	198
359	Silicon/Mesoporous Carbon/Crystalline TiO Nanoparticles for Highly Stable Lithium Storage. <i>ACS Nano</i> , <b>2016</b> , 10, 10524-10532	16.7	197
358	Synthesis of N-Doped Hollow-Structured Mesoporous Carbon Nanospheres for High-Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 7194-204	9.5	156
357	Engineering the Distribution of Carbon in Silicon Oxide Nanospheres at the Atomic Level for Highly Stable Anodes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6669-6673	16.4	142
356	Electrospun ZIF-based hierarchical carbon fiber as an efficient electrocatalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1211-1220	13	136
355	Highly Conductive Few-Layer Graphene/Al <sub>2</sub> O <sub>3</sub> Nanocomposites with Tunable Charge Carrier Type. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3882-3889	15.6	122
354	Controllable Synthesis of Functional Hollow Carbon Nanostructures with Dopamine As Precursor for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 18609-17	9.5	116
353	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> , <b>2016</b> , 138, 12586-95	16.4	116
352	Nitrogen-Doped Hollow Mesoporous Carbon Spheres for Efficient Water Desalination by Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 6635-6644	8.3	111
351	In Situ Growth of ZIF-8 on PAN Fibrous Filters for Highly Efficient U(VI) Removal. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24164-24171	9.5	111
350	Nanostructured CoP: An efficient catalyst for degradation of organic pollutants by activating peroxymonosulfate. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 329, 92-101	12.8	103
349	Electrochemical degradation of pyridine by Ti/SnO <sub>2</sub> -Sb tubular porous electrode. <i>Chemosphere</i> , <b>2016</b> , 149, 49-56	8.4	98
348	Stretchable fabric generates electric power from woven thermoelectric fibers. <i>Nature Communications</i> , <b>2020</b> , 11, 572	17.4	94

347	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> , <b>2018</b> , 6, 11226-11235	13	93
346	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> , <b>2008</b> , 487, 137-143	5.3	91
345	Realizing high-performance thermoelectric power generation through grain boundary engineering of skutterudite-based nanocomposites. <i>Nano Energy</i> , <b>2017</b> , 41, 501-510	17.1	87
344	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> , <b>2016</b> , 88, 257-265	12.5	85
343	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> , <b>2014</b> , 113, 48-55	8.4	85
342	Yolk-shell Fe(0)@SiO <sub>2</sub> nanoparticles as nanoreactors for fenton-like catalytic reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13167-73	9.5	80
341	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> , <b>2014</b> , 266, 26-33	12.8	79
340	Preparation and thermoelectric properties of multi-walled carbon nanotube/polyaniline hybrid nanocomposites. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 12109	13	78
339	Sulfonated reduced graphene oxide as a conductive layer in sulfonated poly(ether ether ketone) nanocomposite membranes. <i>Journal of Membrane Science</i> , <b>2017</b> , 524, 663-672	9.6	76
338	Coupling of a bioelectrochemical system for p-nitrophenol removal in an upflow anaerobic sludge blanket reactor. <i>Water Research</i> , <b>2014</b> , 67, 11-8	12.5	74
337	Rapid fabrication of Ti <sub>3</sub> SiC <sub>2</sub> /TiC nanocomposite using the spark plasma sintering-reactive synthesis (SPS-RS) method. <i>Scripta Materialia</i> , <b>2007</b> , 56, 241-244	5.6	74
336	Hydrophilic Hollow Nanocube-Functionalized Thin Film Nanocomposite Membrane with Enhanced Nanofiltration Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 5344-5352	9.5	74
335	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> , <b>2020</b> , 54, 10289-10300	10.3	73
334	Tailoring the Assembly of Iron Nanoparticles in Carbon Microspheres toward High-Performance Electrocatalytic Denitrification. <i>Nano Letters</i> , <b>2019</b> , 19, 5423-5430	11.5	72
333	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> , <b>2014</b> , 34, 443-451	6	72
332	Substantial enhancement of anaerobic pyridine bio-mineralization by electrical stimulation. <i>Water Research</i> , <b>2018</b> , 130, 291-299	12.5	71
331	Hollow Mesoporous Carbon Nanocubes: Rigid-Interface-Induced Outward Contraction of Metal-Organic Frameworks. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705253	15.6	71
330	Recent development in reactive synthesis of nanostructured bulk materials by spark plasma sintering. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2013</b> , 39, 103-112	4.1	70

329	Overexpression of IbP5CR enhances salt tolerance in transgenic sweetpotato. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2014</b> , 117, 1-16	2.7	70
328	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> , <b>2019</b> , 7, 12547-12555	13	68
327	Positively Charged Nanofiltration Membrane with Dendritic Surface for Toxic Element Removal. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 784-792	8.3	67
326	Preparation and Consolidation of Alumina/Graphene Composite Powders. <i>Materials Transactions</i> , <b>2009</b> , 50, 749-751	1.3	65
325	Flexible cellulose-based thermoelectric sponge towards wearable pressure sensor and energy harvesting. <i>Chemical Engineering Journal</i> , <b>2018</b> , 338, 1-7	14.7	62
324	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> , <b>2016</b> , 6, 54623-54635	3.7	60
323	Dual-Functional Ultrafiltration Membrane for Simultaneous Removal of Multiple Pollutants with High Performance. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 5098-5107	10.3	54
322	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> , <b>2020</b> , 10, 1902986	21.8	53
321	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> , <b>2010</b> , 93, 1378	3.8	52
320	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> , <b>2008</b> , 68, 499-505	8.6	52
319	Ultrathin and Light-Weight Graphene Aerogel with Precisely Tunable Density for Highly Efficient Microwave Absorbing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 46386-46396	9.5	52
318	Rapidly sintering nanosized SiC particle reinforced TiC composites by the spark plasma sintering (SPS) technique. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 4515-4519	4.3	51
317	Preparation and Mechanical Properties of Graphene Nanosheet Reinforced Alumina Composites. <i>Advanced Engineering Materials</i> , <b>2015</b> , 17, 28-35	3.5	50
316	Graphene promoted oxygen vacancies in perovskite for enhanced thermoelectric properties. <i>Carbon</i> , <b>2017</b> , 112, 169-176	10.4	49
315	Iron-Copper bimetallic nanoparticles supported on hollow mesoporous silica spheres: an effective heterogeneous Fenton catalyst for orange II degradation. <i>RSC Advances</i> , <b>2015</b> , 5, 69593-69605	3.7	48
314	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> , <b>2018</b> , 6, 3454-3461 <sup>13</sup>	13	48
313	Developing new adsorptive membrane by modification of support layer with iron oxide microspheres for arsenic removal. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 514, 760-768	9.3	47
312	Hierarchical Branched Mesoporous TiO-SnO Nanocomposites with Well-Defined n-n Heterojunctions for Highly Efficient Ethanol Sensing. <i>Advanced Science</i> , <b>2019</b> , 6, 1902008	13.6	47

311	Aerobic granulation strategy for bioaugmentation of a sequencing batch reactor (SBR) treating high strength pyridine wastewater. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 295, 153-60	12.8	46
310	Nanostructured binary copper chalcogenides: synthesis strategies and common applications. <i>Nanoscale</i> , <b>2018</b> , 10, 15130-15163	7.7	46
309	Concentration and Recovery of Dyes from Textile Wastewater Using a Self-Standing, Support-Free Forward Osmosis Membrane. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 3078-3086	10.3	45
308	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> , <b>2014</b> , 429, 68-76	9.3	45
307	Iron-tannin-framework complex modified PES ultrafiltration membranes with enhanced filtration performance and fouling resistance. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 505, 642-652	9.3	45
306	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> , <b>2017</b> , 5, 13730-13739	13	44
305	Porous tubular carbon nanorods with excellent electrochemical properties. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 12198	13	44
304	Fractionation and Concentration of High-Salinity Textile Wastewater using an Ultra-Permeable Sulfonated Thin-film Composite. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 9252-9260	10.3	44
303	Rapid Reactive Synthesis and Sintering of Submicron TiC/SiC Composites through Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 1157-1160	3.8	44
302	Coupling of iron shavings into the anaerobic system for enhanced 2,4-dinitroanisole reduction in wastewater. <i>Water Research</i> , <b>2016</b> , 101, 457-466	12.5	44
301	Recycling flue gas desulphurization (FGD) gypsum for removal of Pb(II) and Cd(II) from wastewater. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 457, 86-95	9.3	43
300	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> , <b>2006</b> , 26, 3393-3397	6	43
299	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> , <b>2016</b> , 4, 11916-11923	13.23	43
298	Monodisperse mesoporous TiO <sub>2</sub> microspheres for dye sensitized solar cells. <i>Nano Energy</i> , <b>2016</b> , 26, 16-25	7.1	43
297	Facile Synthesis of Smart Nanocontainers as Key Components for Construction of Self-Healing Coating with Superhydrophobic Surfaces. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 231	5	43
296	Reuse of Fenton sludge as an iron source for NiFeO synthesis and its application in the Fenton-based process. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 53, 1-8	6.4	42
295	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> , <b>2017</b> , 9, 33049-33058	9.5	42
294	N-doped Cu-MOFs for efficient electrochemical determination of dopamine and sulfanilamide. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 390, 122157	12.8	41

293	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> , <b>2020</b> , 32, e1905951	24	41
292	Comprehensive comparison of bacterial communities in a membrane-free bioelectrochemical system for removing different mononitrophenols from wastewater. <i>Bioresource Technology</i> , <b>2016</b> , 216, 645-52	11	40
291	Preparation and properties of reduced graphene oxide/fused silica composites. <i>Carbon</i> , <b>2014</b> , 77, 66-75	10.4	40
290	Fouling behavior of polyethersulfone ultrafiltration membranes functionalized with sol-gel formed ZnO nanoparticles. <i>RSC Advances</i> , <b>2015</b> , 5, 50711-50719	3.7	40
289	An efficient thermoelectric material: preparation of reduced graphene oxide/polyaniline hybrid composites by cryogenic grinding. <i>RSC Advances</i> , <b>2015</b> , 5, 8988-8995	3.7	40
288	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> , <b>2009</b> , 27, 177-180	4.1	40
287	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> , <b>2006</b> , 420, 208-211	5.3	40
286	Silicon: toward eco-friendly reduction techniques for lithium-ion battery applications. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 24715-24737	13	40
285	Electrically Conductive and Mechanically Strong Graphene/Mullite Ceramic Composites for High-Performance Electromagnetic Interference Shielding. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 39245-39256	9.5	40
284	Enhancing the performance of Ce:YAG phosphor-in-silica-glass by controlling interface reaction. <i>Acta Materialia</i> , <b>2017</b> , 130, 289-296	8.4	39
283	Removal of phosphate from wastewater using alkaline residue. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 970-80	6.4	39
282	Fabrication and characterization of nano-SiC particles reinforced TiC/SiC nano composites. <i>Materials Letters</i> , <b>2004</b> , 58, 1401-1404	3.3	39
281	Residual Chlorine Induced Cationic Active Species on a Porous Copper Electrocatalyst for Highly Stable Electrochemical CO Reduction to C. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11487-11493	16.4	39
280	Feasibility of concentrating textile wastewater using a hybrid forward osmosis-membrane distillation (FO-MD) process: Performance and economic evaluation. <i>Water Research</i> , <b>2020</b> , 172, 115488	12.5	38
279	Enhanced thermoelectric and mechanical properties of Na-doped polycrystalline SnSe thermoelectric materials via CNTs dispersion. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 741, 756-764	5.7	38
278	Nanosized yolk-shell Fe <sub>3</sub> O <sub>4</sub> @Zr(OH) <sub>x</sub> spheres for efficient removal of Pb(II) from aqueous solution. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 309, 1-9	12.8	38
277	Substantially enhanced anaerobic reduction of nitrobenzene by biochar stabilized sulfide-modified nanoscale zero-valent iron: Process and mechanisms. <i>Environment International</i> , <b>2019</b> , 131, 105020	12.9	38
276	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> , <b>2017</b> , 130, 353-359	4.8	38

275	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> , <b>2014</b> , 73, 37-47	8.4	38
274	Boron doping-induced interconnected assembly approach for mesoporous silicon oxycarbide architecture. <i>National Science Review</i> , <b>2021</b> , 8, nwaa152	10.8	38
273	Synthesis of ZSM-5 aggregates made of zeolite nanocrystals through a simple solvent-free method. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 243, 112-118	5.3	37
272	Nitrogen-enriched carbon sheet for Methyl blue dye adsorption. <i>Journal of Environmental Management</i> , <b>2018</b> , 215, 123-131	7.9	37
271	A Self-Standing, Support-Free Membrane for Forward Osmosis with No Internal Concentration Polarization. <i>Environmental Science and Technology Letters</i> , <b>2018</b> , 5, 266-271	11	36
270	One-pot fabrication and thermoelectric properties of Ag nanoparticles/polyaniline hybrid nanocomposites. <i>RSC Advances</i> , <b>2014</b> , 4, 26810-26816	3.7	36
269	Mechanical properties and bioactivity of $\beta$ -Ca <sub>2</sub> SiO <sub>4</sub> ceramics synthesized by spark plasma sintering. <i>Ceramics International</i> , <b>2011</b> , 37, 2459-2465	5.1	36
268	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> , <b>2007</b> , 437, 203-207	5.7	36
267	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> , <b>2019</b> , 786, 884-893	5.7	35
266	Microstructure of Ti <sub>5</sub> Si <sub>3</sub> TiC/Ti <sub>3</sub> SiC <sub>2</sub> and Ti <sub>5</sub> Si <sub>3</sub> TiC nanocomposites in situ synthesized by spark plasma sintering. <i>Journal of Materials Research</i> , <b>2004</b> , 19, 3004-3008	2.5	35
265	Achieving high-performance nitrate electrocatalysis with PdCu nanoparticles confined in nitrogen-doped carbon coralline. <i>Nanoscale</i> , <b>2018</b> , 10, 19023-19030	7.7	35
264	Metal-Organic Framework-Derived Hollow Carbon Nanocubes for Fast Solid-Phase Microextraction of Polycyclic Aromatic Hydrocarbons. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 15051-15057	9.5	34
263	A novel $\beta$ -hydrolase gene IbMas enhances salt tolerance in transgenic sweetpotato. <i>PLoS ONE</i> , <b>2014</b> , 9, e115128	3.7	34
262	Antifouling and High Flux Sulfonated Polyamide Thin-Film Composite Membrane for Nanofiltration. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 4726-4733	3.9	34
261	Prussian blue analogues-derived bimetallic iron-cobalt selenides for efficient overall water splitting. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 548, 48-55	9.3	33
260	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> , <b>2019</b> , 789, 381-391	5.7	33
259	Preparation of bulk AgNWs/PEDOT:PSS composites: a new model towards high-performance bulk organic thermoelectric materials. <i>RSC Advances</i> , <b>2015</b> , 5, 45106-45112	3.7	33
258	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> , <b>2016</b> , 469, 164-176	9.3	33

257	Uniform dispersion of SiC in Yb-filled skutterudite nanocomposites with high thermoelectric and mechanical performance. <i>Scripta Materialia</i> , <b>2019</b> , 162, 166-171	5.6	33
256	A phenolic resin-assisted strategy for MOF-derived hierarchical Co/N-doped carbon rhombic dodecahedra for electrocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 5173-5178	13	32
255	Simultaneous debromination and mineralization of bromophenol in an up-flow electricity-stimulated anaerobic system. <i>Water Research</i> , <b>2019</b> , 157, 8-18	12.5	32
254	Control of doping by matrix in few-layer graphene/metal oxide composites with highly enhanced electrical conductivity. <i>Carbon</i> , <b>2015</b> , 81, 83-90	10.4	32
253	Synthesis of freestanding PEDOT:PSS/PVA@Ag NPs nanofiber film for high-performance flexible thermoelectric generator. <i>Polymer</i> , <b>2019</b> , 167, 102-108	3.9	31
252	Thin Film Thermoelectric Materials: Classification, Characterization, and Potential for Wearable Applications. <i>Coatings</i> , <b>2018</b> , 8, 244	2.9	31
251	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> , <b>2019</b> , 653, 423-430	10.2	31
250	Bioaugmentation potential of a newly isolated strain <i>Sphingomonas</i> sp. NJUST37 for the treatment of wastewater containing highly toxic and recalcitrant triclazole. <i>Bioresource Technology</i> , <b>2018</b> , 264, 98-105	11	31
249	Enhanced proton conductivity of multiblock poly(phenylene ether ketone)s via pendant sulfoalkoxyl side chains with excellent H <sub>2</sub> /air fuel cell performance. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2321-2331	13	30
248	Preparation of nano-sized Bi <sub>2</sub> Te <sub>3</sub> thermoelectric material powders by cryogenic grinding. <i>Progress in Natural Science: Materials International</i> , <b>2012</b> , 22, 201-206	3.6	30
247	Sequential Ultrafiltration-Catalysis Membrane for Excellent Removal of Multiple Pollutants in Water. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 2652-2661	10.3	30
246	Enhanced heterogeneous Fenton-like systems based on highly dispersed Fe-FeO nanoparticles embedded ordered mesoporous carbon composite catalyst. <i>Environmental Pollution</i> , <b>2018</b> , 243, 1068-1077	9.7	30
245	Enhanced anoxic biodegradation of pyridine coupled to nitrification in an inner loop anoxic/oxic-dynamic membrane bioreactor (A/O-DMBR). <i>Bioresource Technology</i> , <b>2018</b> , 267, 626-633	11	29
244	Electrochemical treatment of flutriafol wastewater using a novel 3D macroporous PbO filter: Operating parameters, mechanism and toxicity assessment. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 358, 187-197	12.8	29
243	Deep-Eutectic Solvents Derived Nitrogen-Doped Graphitic Carbon as a Superior Electrocatalyst for Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 32737-32744	9.5	29
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114	Mechanically robust poly[vinyl-(4-benzyl-N,N,N-trimethylammonium bromide) ketone]/polybenzimidazole blend membranes for anion conductive solid electrolytes. <i>Journal of Membrane Science</i> , <b>2019</b> , 572, 262-270	9.6	8

113	Ultra-strong nanographite bulks based on a unique carbon nanotube linked graphite onions structure. <i>Carbon</i> , <b>2019</b> , 149, 436-444	10.4	7
112	Enhanced p-nitrophenol removal in a membrane-free bio-contact coupled bioelectrochemical system. <i>RSC Advances</i> , <b>2015</b> , 5, 27052-27059	3.7	7
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109	Entrance flow of long glass fiber reinforced polypropylene through contraction die. <i>Journal of Reinforced Plastics and Composites</i> , <b>2016</b> , 35, 111-123	2.9	7
108	Microstructure evolution of Ti <sub>3</sub> SiC <sub>2</sub> powder during high-energy ball milling. <i>Ceramics International</i> , <b>2010</b> , 36, 2227-2230	5.1	7
107	Low-temperature sintering of bismuth-doped glass with high fluorescence properties from mesoporous silica SBA-15. <i>Ceramics International</i> , <b>2020</b> , 46, 1164-1170	5.1	7
106	Confined interfacial micelle aggregating assembly of ordered macro-mesoporous tungsten oxides for HS sensing. <i>Nanoscale</i> , <b>2020</b> , 12, 20811-20819	7.7	7
105	Low temperature self-densification of high strength bulk hexagonal boron nitride. <i>Nature Communications</i> , <b>2019</b> , 10, 854	17.4	7
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103	Incorporating Cobalt Nanoparticles in Nitrogen-Doped Mesoporous Carbon Spheres through Composite Micelle Assembly for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 38604-38612	9.5	7
102	A Robust Hierarchical MXene/Ni/Aluminosilicate Glass Composite for High-Performance Microwave Absorption.. <i>Advanced Science</i> , <b>2021</b> , e2104163	13.6	7
101	Assessment of leaching behavior and human bioaccessibility of rare earth elements in typical hospital waste incineration ash in China. <i>Frontiers of Environmental Science and Engineering</i> , <b>2017</b> , 11, 1	5.8	6
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99	Enhancement in sintering driving force derived from in situ ordered structural collapse of mesoporous powders. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 5654-5663	3.8	6
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95	Fabrication and Characterization of Tricalcium Silicate Bioceramics with High Mechanical Properties by Spark Plasma Sintering. <i>International Journal of Applied Ceramic Technology</i> , <b>2011</b> , 8, 501-510	2	6
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