

Qingliang Zhao

List of Publications by Citations

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242
papers

5,418
citations

39
h-index

62
g-index

259
ext. papers

6,962
ext. citations

6.7
avg, IF

6.21
L-index

#	Paper	IF	Citations
242	A microbial fuel cell using permanganate as the cathodic electron acceptor. <i>Journal of Power Sources</i> , 2006 , 162, 1409-1415	8.9	258
241	Accelerated start-up of two-chambered microbial fuel cells: Effect of anodic positive poised potential. <i>Electrochimica Acta</i> , 2009 , 54, 1109-1114	6.7	194
240	Acid hydrolysis of corn stover for biohydrogen production using <i>Thermoanaerobacterium thermosaccharolyticum</i> W16. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 7182-7188	6.7	161
239	Efficient electricity generation from sewage sludge using biocathode microbial fuel cell. <i>Water Research</i> , 2012 , 46, 43-52	12.5	143
238	Electricity generation from bio-treatment of sewage sludge with microbial fuel cell. <i>Bioresource Technology</i> , 2009 , 100, 5808-12	11	133
237	Deep Photoacoustic/Luminescence/Magnetic Resonance Multimodal Imaging in Living Subjects Using High-Efficiency Upconversion Nanocomposites. <i>Advanced Materials</i> , 2016 , 28, 6411-9	24	115
236	A graphite-granule membrane-less tubular air-cathode microbial fuel cell for power generation under continuously operational conditions. <i>Journal of Power Sources</i> , 2007 , 173, 172-177	8.9	110
235	High thermal insulation and compressive strength polypropylene foams fabricated by high-pressure foam injection molding and mold opening of nano-fibrillar composites. <i>Materials and Design</i> , 2017 , 131, 1-11	8.1	108
234	Adsorption of Cu and Zn by extracellular polymeric substances (EPS) in different sludges: Effect of EPS fractional polarity on binding mechanism. <i>Journal of Hazardous Materials</i> , 2017 , 321, 473-483	12.8	104
233	A multi-level optimization approach for energy-efficient flexible flow shop scheduling. <i>Journal of Cleaner Production</i> , 2016 , 137, 1543-1552	10.3	88
232	The critical conditions of brittle-ductile transition and the factors influencing the surface quality of brittle materials in ultra-precision grinding. <i>Journal of Materials Processing Technology</i> , 2005 , 168, 75-82	5.3	85
231	Development of high thermal insulation and compressive strength BPP foams using mold-opening foam injection molding with in-situ fibrillated PTFE fibers. <i>European Polymer Journal</i> , 2018 , 98, 1-10	5.2	80
230	Development, current state and future trends of sludge management in China: Based on exploratory data and CO-equivalent emissions analysis. <i>Environment International</i> , 2020 , 144, 106093	12.9	78
229	Photoacoustic Imaging-Trackable Magnetic Microswimmers for Pathogenic Bacterial Infection Treatment. <i>ACS Nano</i> , 2020 , 14, 2880-2893	16.7	75
228	Biocathode microbial fuel cell for efficient electricity recovery from dairy manure. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 537-43	11.8	74
227	Surface and subsurface integrity in diamond grinding of optical glasses on Tetraform TiO_2 . <i>International Journal of Machine Tools and Manufacture</i> , 2007 , 47, 2091-2097	9.4	72
226	Tertiary treatment of landfill leachate by an integrated Electro-Oxidation/Electro-Coagulation/Electro-Reduction process: Performance and mechanism. <i>Journal of Hazardous Materials</i> , 2018 , 351, 90-97	12.8	64

225	An overview of plant microbial fuel cells (PMFCs): Configurations and applications. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 110, 402-414	16.2	60
224	Increased sustainable electricity generation in up-flow air-cathode microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1157-60	11.8	60
223	Biodegradation of organic matter and anodic microbial communities analysis in sediment microbial fuel cells with/without Fe(III) oxide addition. <i>Bioresource Technology</i> , 2017 , 225, 402-408	11	57
222	Construction of a visible-light-driven magnetic dual Z-scheme BiVO ₄ /g-C ₃ N ₄ /NiFe ₂ O ₄ photocatalyst for effective removal of ofloxacin: Mechanisms and degradation pathway. <i>Chemical Engineering Journal</i> , 2021 , 405, 126704	14.7	57
221	Adsorption behaviors of Cu, Zn and Cd onto proteins, humic acid, and polysaccharides extracted from sludge EPS: Sorption properties and mechanisms. <i>Bioresource Technology</i> , 2019 , 291, 121868	11	55
220	Urea hydrolysis and recovery of nitrogen and phosphorous as MAP from stale human urine. <i>Journal of Environmental Sciences</i> , 2008 , 20, 1018-24	6.4	55
219	Precision grinding of optical glass with laser micro-structured coarse-grained diamond wheels. <i>Journal of Materials Processing Technology</i> , 2014 , 214, 1045-1051	5.3	54
218	Degradation and characteristic changes of organic matter in sewage sludge using microbial fuel cell with ultrasound pretreatment. <i>Bioresource Technology</i> , 2011 , 102, 272-7	11	54
217	Ultrasonic vibration assisted grinding of hard and brittle linear micro-structured surfaces. <i>Precision Engineering</i> , 2017 , 48, 98-106	2.9	52
216	Extracellular biological organic matters in microbial fuel cell using sewage sludge as fuel. <i>Water Research</i> , 2010 , 44, 2163-70	12.5	52
215	A single-step multi-level supramolecular system for cancer sonotheranostics. <i>Nanoscale Horizons</i> , 2019 , 4, 190-195	10.8	48
214	Bioelectrochemical desalination and electricity generation in microbial desalination cell with dewatered sludge as fuel. <i>Bioresource Technology</i> , 2014 , 157, 120-6	11	48
213	Struvite precipitation from anaerobic sludge supernatant and mixed fresh/stale human urine. <i>Chemical Engineering Journal</i> , 2018 , 344, 254-261	14.7	46
212	Material removal mechanism in ultrasonic vibration assisted polishing of micro cylindrical surface on SiC. <i>International Journal of Machine Tools and Manufacture</i> , 2016 , 103, 28-39	9.4	46
211	Liquid Exfoliation of Colloidal Rhenium Disulfide Nanosheets as a Multifunctional Theranostic Agent for In Vivo Photoacoustic/CT Imaging and Photothermal Therapy. <i>Small</i> , 2018 , 14, e1703789	11	45
210	Catalytic pyrolysis of amino acids: Comparison of aliphatic amino acid and cyclic amino acid. <i>Energy Conversion and Management</i> , 2016 , 112, 220-225	10.6	42
209	Degradation of pentachlorophenol with the presence of fermentable and non-fermentable co-substrates in a microbial fuel cell. <i>Bioresource Technology</i> , 2011 , 102, 8762-8	11	42
208	A Review Study on Sulfate-Radical-Based Advanced Oxidation Processes for Domestic/Industrial Wastewater Treatment: Degradation, Efficiency, and Mechanism. <i>Frontiers in Chemistry</i> , 2020 , 8, 592056 ⁵		42

207	Bioaugmentation of a biological contact oxidation ditch with indigenous nitrifying bacteria for in situ remediation of nitrogen-rich stream water. <i>Bioresource Technology</i> , 2011 , 102, 990-5	11	41
206	Evolution of material removal modes of sapphire under varied scratching depths. <i>Ceramics International</i> , 2017 , 43, 10353-10360	5.1	40
205	Microbial fuel cell with high content solid wastes as substrates: a review. <i>Frontiers of Environmental Science and Engineering</i> , 2017 , 11, 1	5.8	39
204	Ultra-precision grinding of optical glasses using mono-layer nickel electroplated coarse-grained diamond wheels. Part 2: Investigation of profile and surface grinding. <i>Precision Engineering</i> , 2015 , 39, 67-78	2.9	39
203	A review of ARGs in WWTPs: Sources, stressors and elimination. <i>Chinese Chemical Letters</i> , 2020 , 31, 260382-2613	3.13	39
202	Hemispherical photoacoustic imaging of myocardial infarction: in vivo detection and monitoring. <i>European Radiology</i> , 2018 , 28, 2176-2183	8	39
201	Enhancing phosphorus recovery by a new internal recycle seeding MAP reactor. <i>Bioresource Technology</i> , 2008 , 99, 6488-93	11	39
200	Electrochemical activation of persulfate on BDD and DSA anodes: Electrolyte influence, kinetics and mechanisms in the degradation of bisphenol A. <i>Journal of Hazardous Materials</i> , 2020 , 388, 121789	12.8	38
199	Transformation and speciation of typical heavy metals in soil aquifer treatment system during long time recharging with secondary effluent: Depth distribution and combination. <i>Chemosphere</i> , 2016 , 165, 100-109	8.4	38
198	Investigation of anisotropic mechanisms in ultra-precision diamond machining of KDP crystal. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 4169-4177	5.3	36
197	Improvement of precision grinding performance of CVD diamond wheels by micro-structured surfaces. <i>Ceramics International</i> , 2018 , 44, 17333-17339	5.1	36
196	Ultra-precision grinding of optical glasses using mono-layer nickel electroplated coarse-grained diamond wheels. Part 1: ELID assisted precision conditioning of grinding wheels. <i>Precision Engineering</i> , 2015 , 39, 56-66	2.9	35
195	Dewatering efficiency of sewage sludge during Fe-activated persulfate oxidation: Effect of hydrophobic/hydrophilic properties of sludge EPS. <i>Water Research</i> , 2020 , 181, 115903	12.5	35
194	Ultrashort picosecond laser processing of micro-molds for fabricating plastic parts with superhydrophobic surfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 108, 863-869	2.6	33
193	Catalytic fast pyrolysis of duckweed: Effects of pyrolysis parameters and optimization of aromatic production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 112, 29-36	6	32
192	Hydrocarbon and Ammonia Production from Catalytic Pyrolysis of Sewage Sludge with Acid Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1819-1826	8.3	32
191	Ultra-precision machining of Fresnel microstructure on die steel using single crystal diamond tool. <i>Journal of Materials Processing Technology</i> , 2011 , 211, 2152-2159	5.3	32
190	PEGylated rhenium nanoclusters: a degradable metal photothermal nanoagent for cancer therapy. <i>Chemical Science</i> , 2019 , 10, 5435-5443	9.4	31

189	Effect of cathode types on long-term performance and anode bacterial communities in microbial fuel cells. <i>Bioresource Technology</i> , 2012 , 118, 249-56	11	31
188	Precision grinding of a microstructured surface on hard and brittle materials by a microstructured coarse-grained diamond grinding wheel. <i>Ceramics International</i> , 2018 , 44, 8026-8034	5.1	30
187	A review of bismuth-based photocatalysts for antibiotic degradation: Insight into the photocatalytic degradation performance, pathways and relevant mechanisms. <i>Environmental Research</i> , 2021 , 199, 111360	7.9	29
186	Dependence of material removal on crystal orientation of sapphire under cross scratching. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2465-2472	6	28
185	Grinding marks on ultra-precision grinding spherical and aspheric surfaces. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2017 , 4, 419-429	3.8	28
184	Heavy metal concentration and speciation of seven representative municipal sludges from wastewater treatment plants in Northeast China. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 1645-55	3.1	28
183	Effect of hydraulic retention time on deterioration/restarting of sludge anaerobic digestion: Extracellular polymeric substances and microbial response. <i>Bioresource Technology</i> , 2017 , 244, 261-269	11	28
182	Accelerating anodic biofilms formation and electron transfer in microbial fuel cells: Role of anionic biosurfactants and mechanism. <i>Bioelectrochemistry</i> , 2017 , 117, 48-56	5.6	26
181	On-machine precision form truing of arc-shaped diamond wheels. <i>Journal of Materials Processing Technology</i> , 2015 , 223, 65-74	5.3	26
180	Enhanced visible light photocatalytic performance with metal-doped BiWO ₄ for typical fluoroquinolones degradation: Efficiencies, pathways and mechanisms. <i>Chemosphere</i> , 2020 , 252, 126577	8.4	26
179	Electrochemical treatment of bio-treated landfill leachate: Influence of electrode arrangement, potential, and characteristics. <i>Chemical Engineering Journal</i> , 2018 , 344, 34-41	14.7	26
178	Long-term operation of manure-microbial fuel cell. <i>Bioresource Technology</i> , 2015 , 180, 365-9	11	26
177	Enhancing denitrifying sulfide removal with functional strains under micro-aerobic condition. <i>Process Biochemistry</i> , 2010 , 45, 1007-1010	4.8	26
176	Novel Core-Interlayer-Shell DOX/ZnPc Co-loaded MSNs@ pH-Sensitive CaP@PEGylated Liposome for Enhanced Synergetic Chemo-Photodynamic Therapy. <i>Pharmaceutical Research</i> , 2018 , 35, 57	4.5	25
175	Mechanism on minimization of excess sludge in oxic-settling-anaerobic (OSA) process. <i>Frontiers of Environmental Science and Engineering in China</i> , 2008 , 2, 36-43		25
174	Effect of struvite seed crystal on MAP crystallization. <i>Journal of Chemical Technology and Biotechnology</i> , 2011 , 86, 1394-1398	3.5	24
173	Evaluation on a pilot-scale attached-growth pond system treating domestic wastewater. <i>Water Research</i> , 1996 , 30, 242-245	12.5	24
172	Pollutant removal and bioelectricity generation from urban river sediment using a macrophyte cathode sediment microbial fuel cell (mSMFC). <i>Bioelectrochemistry</i> , 2019 , 128, 241-251	5.6	23

171	The eAND process: enabling simultaneous nitrogen-removal and disinfection for WWTP effluent. <i>Water Research</i> , 2015 , 74, 122-31	12.5	23
170	Treatment of leachate concentrate by electrocoagulation coupled with electro-Fenton-like process: Efficacy and mechanism. <i>Separation and Purification Technology</i> , 2021 , 255, 117668	8.3	23
169	Surface damage mechanism of monocrystalline silicon during single point diamond grinding. <i>Wear</i> , 2018 , 396-397, 48-55	3.5	23
168	Diamond wheel wear mechanism and its impact on the surface generation in parallel diamond grinding of RB-SiC/Si. <i>Diamond and Related Materials</i> , 2017 , 74, 16-23	3.5	22
167	Optimization of the co-digestion of sewage sludge, maize straw and cow manure: microbial responses and effect of fractional organic characteristics. <i>Scientific Reports</i> , 2019 , 9, 2374	4.9	22
166	Tumor-Specific Endogenous Fe-Activated, MRI-Guided Self-Targeting Gadolinium-Coordinated Theranostic Nanoplatfoms for Amplification of ROS and Enhanced Chemodynamic Chemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14884-14904	9.5	22
165	Precision grinding of binderless ultrafine tungsten carbide (WC) microstructured surfaces. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 64, 727-735	3.2	22
164	Amorphization and C segregation based surface generation of Reaction-Bonded SiC/Si composites under micro-grinding. <i>International Journal of Machine Tools and Manufacture</i> , 2015 , 95, 78-81	9.4	21
163	Kinetics and equilibrium of adsorption of dissolved organic matter fractions from secondary effluent by fly ash. <i>Journal of Environmental Sciences</i> , 2011 , 23, 1057-65	6.4	21
162	Effect of cutting tool geometries on the ductile-brittle transition of monocrystalline sapphire. <i>International Journal of Mechanical Sciences</i> , 2018 , 148, 565-577	5.5	21
161	Natural Humic-Acid-Based Phototheranostic Agent. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701202	10.1	20
160	Underestimated public health risks caused by overestimated VOC removal in wastewater treatment processes. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 271-9	4.3	20
159	Acceleration of organic removal and electricity generation from dewatered oily sludge in a bioelectrochemical system by rhamnolipid addition. <i>Bioresource Technology</i> , 2017 , 243, 820-827	11	20
158	Trihalomethane formation potential of organic fractions in secondary effluent. <i>Journal of Environmental Sciences</i> , 2008 , 20, 520-7	6.4	20
157	Fate of secondary effluent dissolved organic matter during soil-aquifer treatment. <i>Science Bulletin</i> , 2007 , 52, 2496-2505		20
156	On-machine dry electric discharge truing of diamond wheels for micro-structured surfaces grinding. <i>International Journal of Machine Tools and Manufacture</i> , 2015 , 88, 62-70	9.4	19
155	Multifunctional NIR-responsive poly(vinylpyrrolidone)-Cu-Sb-S nanotheranostic agent for photoacoustic imaging and photothermal/photodynamic therapy. <i>Acta Biomaterialia</i> , 2018 , 74, 334-343	10.8	19
154	Bioelectrochemically-assisted anaerobic composting process enhancing compost maturity of dewatered sludge with synchronous electricity generation. <i>Bioresource Technology</i> , 2015 , 193, 1-7	11	18

153	A review on processing polycrystalline magnesium aluminate spinel (MgAl ₂ O ₄): Sintering techniques, material properties and machinability. <i>Materials and Design</i> , 2020 , 193, 108858	8.1	18
152	The influence of the focus position on laser machining and laser micro-structuring monocrystalline diamond surface. <i>Optics and Lasers in Engineering</i> , 2018 , 105, 60-67	4.6	18
151	Analysis of functional genomes from metagenomes: Revealing the accelerated electron transfer in microbial fuel cell with rhamnolipid addition. <i>Bioelectrochemistry</i> , 2018 , 119, 59-67	5.6	18
150	Preferable utilization of in-situ produced H ₂ O ₂ rather than externally added for efficient deposition of tungsten and molybdenum in microbial fuel cells. <i>Electrochimica Acta</i> , 2017 , 247, 880-890	6.7	18
149	Adsorption mechanism of ZnO and CuO nanoparticles on two typical sludge EPS: Effect of nanoparticle diameter and fractional EPS polarity on binding. <i>Chemosphere</i> , 2019 , 214, 210-219	8.4	18
148	Thermophilic/mesophilic digestion of sewage sludge and organic wastes. <i>Journal of Environmental Science and Health Part A: Environmental Science and Engineering</i> , 1996 , 31, 2211-2231		17
147	A review of biochar in anaerobic digestion to improve biogas production: Performances, mechanisms and economic assessments. <i>Bioresource Technology</i> , 2021 , 341, 125797	11	17
146	Wheel normal grinding of hard and brittle materials. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 79, 873-880	3.2	16
145	Synergistic efficacy of salicylic acid with a penetration enhancer on human skin monitored by OCT and diffuse reflectance spectroscopy. <i>Scientific Reports</i> , 2016 , 6, 34954	4.9	16
144	Surface damage mechanism of WC/Co and RB-SiC/Si composites under high spindle speed grinding (HSSG). <i>Materials and Design</i> , 2016 , 92, 378-386	8.1	16
143	Hollow mesoporous carbon nanospheres for imaging-guided light-activated synergistic thermo-chemotherapy. <i>Nanoscale</i> , 2019 , 11, 16351-16361	7.7	16
142	Surface micro-structuring of coarse-grained diamond wheels by nanosecond pulsed laser for improving grinding performance. <i>International Journal of Precision Engineering and Manufacturing</i> , 2014 , 15, 2025-2030	1.7	16
141	Injection Molded Strong Polypropylene Composite Foam Reinforced with Rubber and Talc. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 1900630	3.9	16
140	Bioelectricity generation and dewatered sludge degradation in microbial capacitive desalination cell. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 5159-5167	5.1	15
139	An investigation into parallel and cross grinding of aspheric surface on monocrystal silicon. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 80, 737-746	3.2	15
138	Seasonal concentration distribution of PM _{1.0} and PM _{2.5} and a risk assessment of bound trace metals in Harbin, China: Effect of the species distribution of heavy metals and heat supply. <i>Scientific Reports</i> , 2020 , 10, 8160	4.9	15
137	Mechanical polishing of ultrahard nanotwinned diamond via transition into hard sp ² -sp ³ amorphous carbon. <i>Carbon</i> , 2020 , 161, 1-6	10.4	15
136	Fluorescence spectroscopic characterization of dissolved organic matter fractions in soils in soil aquifer treatment. <i>Environmental Monitoring and Assessment</i> , 2013 , 185, 4591-603	3.1	15

135	Transformation of erythromycin during secondary effluent soil aquifer recharging: Removal contribution and degradation path. <i>Journal of Environmental Sciences</i> , 2017 , 51, 173-180	6.4	15
134	Comparison of dissolved organic matter fractions in a secondary effluent and a natural water. <i>Environmental Monitoring and Assessment</i> , 2011 , 180, 371-83	3.1	15
133	Grinding damage of BK7 using copper-resin bond coarse-grained diamond wheel. <i>International Journal of Precision Engineering and Manufacturing</i> , 2011 , 12, 5-13	1.7	14
132	Impact of material microstructure and diamond grit wear on surface finish in micro-grinding of RB-SiC/Si and WC/Co carbides. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015 , 51, 258-263	4.1	13
131	The influence of the ionization regime on femtosecond laser beam machining mono-crystalline diamond. <i>Optics and Laser Technology</i> , 2018 , 106, 34-39	4.2	13
130	PEGylated Tantalum Nanoparticles: A Metallic Photoacoustic Contrast Agent for Multiwavelength Imaging of Tumors. <i>Small</i> , 2019 , 15, e1903596	11	13
129	Fluorescence spectroscopic studies of the effect of granular activated carbon adsorption on structural properties of dissolved organic matter fractions. <i>Frontiers of Environmental Science and Engineering</i> , 2012 , 6, 784-796	5.8	13
128	Organic matter extracted from activated sludge with ammonium hydroxide and its characterization. <i>Journal of Environmental Sciences</i> , 2010 , 22, 641-7	6.4	13
127	Safe-by-Design Exfoliation of Niobium Diselenide Atomic Crystals as a Theory-Oriented 2D Nanoagent from Anti-Inflammation to Antitumor. <i>Advanced Functional Materials</i> , 2020 , 30, 2001593	15.6	13
126	Simultaneous sludge degradation, desalination and bioelectricity generation in two-phase microbial desalination cells. <i>Chemical Engineering Journal</i> , 2019 , 361, 180-188	14.7	13
125	Mechanical truing of V-shape diamond wheels for micro-structured surface grinding. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 78, 1067-1073	3.2	12
124	Multimodal Photoacoustic Imaging-Guided Regression of Corneal Neovascularization: A Non-Invasive and Safe Strategy. <i>Advanced Science</i> , 2020 , 7, 2000346	13.6	12
123	Surface generation mechanism of WC/Co and RB-SiC/Si composites under high spindle speed grinding (HSSG). <i>International Journal of Refractory Metals and Hard Materials</i> , 2016 , 56, 123-131	4.1	12
122	Force prediction model considering material removal mechanism for axial ultrasonic vibration-assisted peripheral grinding of Zerodur. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 98, 2775-2789	3.2	12
121	Depth-Resolved Enhanced Spectral-Domain OCT Imaging of Live Mammalian Embryos Using Gold Nanoparticles as Contrast Agent. <i>Small</i> , 2019 , 15, e1902346	11	12
120	Fundamental study on damage-free machining of sapphire: Revealing damage mechanisms via combining elastic stress fields and crystallographic structure. <i>Ceramics International</i> , 2019 , 45, 20684-20696	5.1	12
119	Ultraprecision grinding of TiC-based cermet hemisphere couples. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 73, 1281-1289	3.2	12
118	Vascular tree extraction for photoacoustic microscopy and imaging of cat primary visual cortex. <i>Journal of Biophotonics</i> , 2017 , 10, 780-791	3.1	12

117	Ex vivo determination of glucose permeability and optical attenuation coefficient in normal and adenomatous human colon tissues using spectral domain optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2012 , 17, 105004	3.5	12
116	Efficient nitrogen removal from synthetic domestic wastewater in a novel step-feed three-stage integrated anoxic/oxic biological aerated filter process through optimizing influent flow distribution ratio. <i>Journal of Environmental Management</i> , 2019 , 231, 1277-1282	7.9	12
115	Temperature effect on extracellular polymeric substances (EPS) and phosphorus accumulating organisms (PAOs) for phosphorus release of anaerobic sludge.. <i>RSC Advances</i> , 2019 , 9, 2162-2171	3.7	11
114	Microstructure and Strength of Alkali-Activated Bricks Containing Municipal Solid Waste Incineration (MSWI) Fly Ash Developed as Construction Materials. <i>Sustainability</i> , 2019 , 11, 1283	3.6	11
113	Water assisted pulsed laser machining of micro-structured surface on CVD diamond coating tools. <i>Journal of Manufacturing Processes</i> , 2020 , 56, 591-601	5	11
112	Assessment of solar-assisted electrooxidation of bisphenol AF and bisphenol A on boron-doped diamond electrodes. <i>Environmental Science and Ecotechnology</i> , 2020 , 3, 100036	7.4	11
111	Efficient In Situ Utilization of Caustic for Sequential Recovery and Separation of Sn, Fe, and Cu in Microbial Fuel Cells. <i>ChemElectroChem</i> , 2018 , 5, 1658-1669	4.3	11
110	Cooperative light irradiation and in-situ produced H ₂ O ₂ for efficient tungsten and molybdenum deposition in microbial electrolysis cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 357, 156-167	4.7	11
109	Laser machining micro-structures on diamond surface with a sub-nanosecond pulsed laser. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	11
108	A systematic investigation on the diamond wear mechanism during the dry scratching of WC/Co. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018 , 70, 184-190	4.1	11
107	Application of ultra-sonication, acid precipitation and membrane filtration for co-recovery of protein and humic acid from sewage sludge. <i>Frontiers of Environmental Science and Engineering</i> , 2016 , 10, 327-335	5.8	11
106	Removal and transformation of organic matters in domestic wastewater during lab-scale chemically enhanced primary treatment and a trickling filter treatment. <i>Journal of Environmental Sciences</i> , 2013 , 25, 59-68	6.4	11
105	An investigation of the surface waviness features of ground surface in parallel grinding process. <i>International Journal of Mechanical Sciences</i> , 2020 , 170, 105351	5.5	11
104	Effects of binder addition on the surface generation mechanism of WC/Co during high spindle speed grinding (HSSG). <i>International Journal of Refractory Metals and Hard Materials</i> , 2016 , 59, 32-39	4.1	11
103	Ultra-precision grinding of ALON ceramics: Surface finish and mechanisms. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3668-3676	6	10
102	Investigation of contact pressure and influence function model for soft wheel polishing. <i>Applied Optics</i> , 2015 , 54, 8091-9	0.2	10
101	Electronic and metagenomic insights into the performance of bioelectrochemical reactor simultaneously treating sewage sludge and Cr(VI)-laden wastewater. <i>Chemical Engineering Journal</i> , 2018 , 341, 495-504	14.7	10
100	Concentration dependence of optical clearing on the enhancement of laser-scanning optical-resolution photoacoustic microscopy imaging. <i>Journal of Biomedical Optics</i> , 2014 , 19, 36019	3.5	10

99	Deciphering the role of calcium peroxide on the fate of antibiotic resistance genes and mobile genetic elements during bioelectrochemically-assisted anaerobic composting of excess dewatered sludge. <i>Chemical Engineering Journal</i> , 2020 , 397, 125355	14.7	9
98	Atmospheric pollution of agriculture-oriented cities in Northeast China: A case in Suihua. <i>Journal of Environmental Sciences</i> , 2020 , 97, 85-95	6.4	9
97	On the effect of grain structure in micro-cutting of polycrystalline aluminate magnesium spinel (PAMS) crystals. <i>International Journal of Mechanical Sciences</i> , 2019 , 160, 372-385	5.5	9
96	Cryo-assisted exfoliation of atomically thin 2D SbSe nanosheets for photo-induced theranostics. <i>Chemical Communications</i> , 2019 , 55, 2805-2808	5.8	8
95	A study on micro-machining spinel by applying ordinary cutting and ultra-sonic elliptical vibration cutting. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 104, 1677-1692	3.2	8
94	Dissolved organic matter removal during coal slag additive soil aquifer treatment for secondary effluent recharging: Contribution of aerobic biodegradation. <i>Journal of Environmental Management</i> , 2015 , 156, 158-66	7.9	8
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92	Material removal behaviour in axial ultrasonic assisted scratching of Zerodur and ULE with a Vickers indenter. <i>Ceramics International</i> , 2020 , 46, 14613-14624	5.1	8
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