

Qingliang Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Remote vascular interventional surgery robotics: a literature review.. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022 , 12, 2552-2574	3.6	2
241	Noninvasive Dual-Modality Photoacoustic-Ultrasonic Imaging to Detect Mammalian Embryo Abnormalities after Prenatal Exposure to Methylmercury Chloride (MMC): A Mouse Study.. <i>Environmental Health Perspectives</i> , 2022 , 130, 27002	8.4	1
240	Effects of substrate type on variation of sludge organic compounds, bioelectric production and microbial community structure in bioelectrochemically-assisted sludge treatment wetland.. <i>Journal of Environmental Management</i> , 2022 , 307, 114548	7.9	0
239	Effects of organic loading rates on high-solids anaerobic digestion of food waste in horizontal flow reactor: Methane production, stability and mechanism.. <i>Chemosphere</i> , 2022 , 133650	8.4	3
238	Synthesis of low-cost Ti4O7 membrane electrode for electrooxidation of tetracycline under flow-through conditions: Performance, kinetics and mechanism. <i>Chemical Engineering Research and Design</i> , 2022 , 159, 931-943	5.5	2
237	CFD simulation and performance evaluation of gas mixing during high solids anaerobic digestion of food waste. <i>Biochemical Engineering Journal</i> , 2022 , 178, 108279	4.2	1
236	Modeling and simulation of the advanced structured surfaces machined by specially patterned grinding wheels via the structuring grinding process. <i>International Journal of Advanced Manufacturing Technology</i> , 2022 , 119, 3321	3.2	0
235	Parallel axis precision grinding of micro-tooth internal thread with the coarse-grains CBN wheels. <i>Journal of Manufacturing Processes</i> , 2022 , 74, 474-485	5	3
234	Effect of pig manure-derived sulfadiazine on species distribution and bioactivities of soil ammonia-oxidizing microorganisms after fertilization. <i>Journal of Hazardous Materials</i> , 2022 , 423, 126994 ^{12.8}	12.8	0
233	Polypyrrole-iron phosphate-glucose oxidase-based nanocomposite with cascade catalytic capacity for tumor synergistic apoptosis-ferroptosis therapy. <i>Chemical Engineering Journal</i> , 2022 , 427, 131671	14.7	7
232	HYDRUS-2D simulations of typical pollutant migration in a soil aquifer system in the Zibo-Weifang funnel area of China. <i>Journal of Cleaner Production</i> , 2022 , 345, 131099	10.3	0
231	Insights into high-solids anaerobic digestion of food waste enhanced by activated carbon via promoting direct interspecies electron transfer.. <i>Bioresource Technology</i> , 2022 , 351, 127008	11	0
230	Insight into the visible light activation of sulfite by Fe/g-C3N4 with rich N vacancies for pollutant removal and sterilization: A novel approach for enhanced generation of oxysulfur radical. <i>Chemical Engineering Journal</i> , 2022 , 438, 135663	14.7	0
229	Exploring the synergism of sunlight and electrooxidation on persulfate activation for efficient degradation of bisphenol S: Performance, Pathway, and mechanism. <i>Chemical Engineering Journal</i> , 2022 , 437, 135318	14.7	1
228	Can biochar addition improve the sustainability of intermittent aerated constructed wetlands for treating wastewater containing heavy metals?. <i>Chemical Engineering Journal</i> , 2022 , 444, 136636	14.7	1
227	Catalytic pyrolysis of lotus leaves for producing nitrogen self-doping layered graphitic biochar: Performance and mechanism for peroxydisulfate activation.. <i>Chemosphere</i> , 2022 , 302, 134868	8.4	0
226	Technologies for the cobalt-contaminated soil remediation: A review. <i>Science of the Total Environment</i> , 2021 , 151908	10.2	2

225	Insight into the organic matter degradation enhancement in the bioelectrochemically-assisted sludge treatment wetland: Transformation of the organic matter and microbial community evolution.. <i>Chemosphere</i> , 2021 , 290, 133259	8.4	1
224	Surface generation and materials removal mechanism in ultra-precision grinding of biconical optics based on slow tool servo with diamond grinding wheels. <i>Journal of Manufacturing Processes</i> , 2021 , 72, 1-14	5	0
223	Development of an MFC-powered BEF system with novel Fe ₃ O ₄ /Mg/CF composite cathode to degrade refractory pollutants. <i>Journal of Cleaner Production</i> , 2021 , 326, 129348	10.3	3
222	Efficiency assessment of ZVI-based media as fillers in permeable reactive barrier for multiple heavy metal-contaminated groundwater remediation. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127605	12.8	3
221	Bottom-Up Emission Inventory and Its Spatio-Temporal Distribution from Paved Road Dust Based on Field Investigation: A Case Study of Harbin, Northeast China. <i>Atmosphere</i> , 2021 , 12, 449	2.7	1
220	Horizontal flow reactor optimization for biogas recovery during high solid organics fermentation: Rheological characteristic analyses. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101776	6.7	2
219	The material removal and the nanometric surface characteristics formation mechanism of TiC/Ni cermet in ultra-precision grinding. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021 , 96, 105494	4.1	0
218	Optimisation of spray-mist-assisted laser machining of micro-structures on CVD diamond coating surfaces. <i>Ceramics International</i> , 2021 ,	5.1	2
217	Intravital Whole-Process Monitoring Thermo-Chemotherapy Via 2D Silicon Nanoplatfrom: A Macro Guidance and Long-Term Microscopic Precise Imaging Strategy. <i>Advanced Science</i> , 2021 , 8, e2101242	13.6	2
216	Ultra-precision raster grinding biconical optics with a novel profile error compensation technique based on on-machine measurement and wavelet decomposition. <i>Journal of Manufacturing Processes</i> , 2021 , 67, 128-140	5	3
215	Simulation and prediction of electrooxidation removal of ammonia and its application in industrial wastewater effluent. <i>Water Environment Research</i> , 2021 , 93, 51-60	2.8	1
214	Arc Envelope Grinding of Sapphire Steep Aspheric Surface with SiC-Reinforced Resin-Bonded Diamond Wheel. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021 , 8, 1083-1094	3.8	4
213	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
212	High-efficiency machining of silicon carbide Fresnel micro-structure based on improved laser scanning contour ablation method with continuously variable feedrate. <i>Ceramics International</i> , 2021 , 47, 4062-4075	5.1	1
211	Performance of sludge degradation, mineralization and electro-energy harvesting in a sludge treatment electro-wetland: Insight into the sludge loading rate. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101779	6.7	1
210	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
209	Strategy and error analysis for machining the designed microstructured surfaces by structured grinding wheels. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 113, 1361-1376	3.2	2
208	Nanotwinned diamond cutting tool processed by femtosecond pulsed laser milling with trochoidal trajectory. <i>Journal of Materials Processing Technology</i> , 2021 , 294, 117115	5.3	1

207	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
206	PEGylated Indium Nanoparticles: A Metallic Contrast Agent for Multiwavelength Photoacoustic Imaging and Second Near-Infrared Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 46343-46352	9.5	3
205	Removal trend of amoxicillin and tetracycline during groundwater recharging reusing: Redox sensitivity and microbial community response. <i>Chemosphere</i> , 2021 , 282, 131011	8.4	6
204	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
203	Solar-assisted electrooxidation process for enhanced degradation of bisphenol A: Performance and mechanism. <i>Separation and Purification Technology</i> , 2021 , 277, 119467	8.3	4
202	Insight into a novel microwave-assisted W doped BiVO ₄ self-assembled sphere with rich oxygen vacancies oriented on rGO (W-BiVO _{4-x} /rGO) photocatalyst for efficient contaminants removal. <i>Separation and Purification Technology</i> , 2021 , 277, 119610	8.3	3
201	A novel self-targeting theranostic nanoplatform for photoacoustic imaging-monitored and enhanced chemo-sonodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 5547-5559	7.3	2
200	Evaluation of crack growth stage of sapphire under scratching based on AE signals. <i>Journal of Physics: Conference Series</i> , 2020 , 1605, 012015	0.3	
199	Fabrication of micro-pillar with high aspect ratio on monocrystalline diamond by galvanometer-assisted femtosecond laser milling. <i>Journal of Manufacturing Processes</i> , 2020 , 60, 247-256 ⁵		2
198	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
197	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
196	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
195	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
194	A review of ARGs in WWTPs: Sources, stressors and elimination. <i>Chinese Chemical Letters</i> , 2020 , 31, 260382613		39
193	Multimodal Photoacoustic Imaging-Guided Regression of Corneal Neovascularization: A Non-Invasive and Safe Strategy. <i>Advanced Science</i> , 2020 , 7, 2000346	13.6	12
192	Transmission electron microscopy (TEM) study of anisotropic surface damages in micro-cutting polycrystalline aluminate magnesium spinel (PAMS) crystals. <i>Ceramics International</i> , 2020 , 46, 20570-20575 ⁵¹		8
191	Novel, Self-Distinguished, Dual Stimulus-Responsive Therapeutic Nanoplatform for Intracellular On-Demand Drug Release. <i>Molecular Pharmaceutics</i> , 2020 , 17, 2435-2450	5.6	7
190	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

189	Preparation of nanotwinned cBN cutting edge by combining mechanical lapping and ion beam polishing. <i>Diamond and Related Materials</i> , 2020 , 105, 107801	3.5	1
188	Modification of graphite felt doped with nitrogen and boron for enhanced removal of dimethyl phthalate in peroxi-coagulation system and mechanisms. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 18810-18821	5.1	3
187	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
186	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
185	Enhanced chromium recovery and simultaneous sludge degradation in a novel bioelectrochemical system assembled with bio/abio-cathodes. <i>Separation and Purification Technology</i> , 2020 , 250, 117229	8.3	1
184	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
183	Electrical current generation from a continuous flow macrophyte biocathode sediment microbial fuel cell (mSMFC) during the degradation of pollutants in urban river sediment. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 35364-35380	5.1	5
182	Ultralong-Circulating and Self-Targeting "Watson-Crick A = T"-Inspired Supramolecular Nanotheranostics for NIR-II Imaging-Guided Photochemotherapy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 32477-32492	9.5	3
181	Suppression of Surface Waviness Error of Fresnel Micro-Structured Mold by Using Non-Integer Rotation Speed Ratio in Parallel Grinding Process. <i>Micromachines</i> , 2020 , 11,	3.3	5
180	On-Machine Precision Form Truing and In-Situ Measurement of Resin-Bonded Spherical Diamond Wheel. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1483	2.6	2
179	Photoacoustic Imaging-Trackable Magnetic Microswimmers for Pathogenic Bacterial Infection Treatment. <i>ACS Nano</i> , 2020 , 14, 2880-2893	16.7	75
178	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
177	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
176	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
175	Removal trends of sulfonamides and their ARGs during soil aquifer treatment and subsequent chlorination: effect of aerobic and anaerobic biodegradation. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 2331-2340	4.2	2
174	Three-dimensional label-free imaging of mammalian yolk sac vascular remodeling with optical resolution photoacoustic microscopy. <i>Photoacoustics</i> , 2020 , 17, 100152	9	7
173	Injection Molded Strong Polypropylene Composite Foam Reinforced with Rubber and Talc. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 1900630	3.9	16
172	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

171	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
170	Damage mechanisms of polycrystalline aluminate magnesium spinel (PAMS) under different loading conditions of indentation and micro-cutting tests. <i>Ceramics International</i> , 2020 , 46, 7235-7252	5.1	5
169	Green preparation of anti-inflammation an injectable 3D porous hydrogel for speeding up deep second-degree scald wound healing.. <i>RSC Advances</i> , 2020 , 10, 36101-36110	3.7	3
168	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
167	Understanding the damage evolution of sapphire under scratching from AE signals. <i>Ceramics International</i> , 2020 , 46, 26085-26099	5.1	2
166	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
165	Ultra-precision raster grinding of monocrystalline silicon biconical free-form optics using arc-shaped diamond grinding wheels. <i>Journal of Manufacturing Processes</i> , 2020 , 58, 1064-1074	5	5
164	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
163	Mechanisms of ductile mode machining for ALON ceramics. <i>Ceramics International</i> , 2020 , 46, 1844-1853	5.1	5
162	Simulation and Experimental Study on the Surface Generation Mechanism of Cu Alloys in Ultra-Precision Diamond Turning. <i>Micromachines</i> , 2019 , 10,	3.3	3
161	A single-step multi-level supramolecular system for cancer sonotheranostics. <i>Nanoscale Horizons</i> , 2019 , 4, 190-195	10.8	48
160	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
159	Cryo-assisted exfoliation of atomically thin 2D SbSe nanosheets for photo-induced theranostics. <i>Chemical Communications</i> , 2019 , 55, 2805-2808	5.8	8
158	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
157	Ultra-precision grinding of ALON ceramics: Surface finish and mechanisms. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3668-3676	6	10
156	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
155	PEGylated rhenium nanoclusters: a degradable metal photothermal nanoagent for cancer therapy. <i>Chemical Science</i> , 2019 , 10, 5435-5443	9.4	31
154	The Evaluation of the Heavy Metal Leaching Behavior of MSWI-FA Added Alkali-Activated Materials Bricks by Using Different Leaching Test Methods. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	5

153	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
152	High Efficiency Precision Grinding of Micro-structured SiC Surface Using Laser Micro-structured Coarse-Grain Diamond Grinding Wheel. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2019 , 6, 577-586	3.8	5
151	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
150	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
149	Hollow mesoporous carbon nanospheres for imaging-guided light-activated synergistic thermo-chemotherapy. <i>Nanoscale</i> , 2019 , 11, 16351-16361	7.7	16
148	PEGylated Tantalum Nanoparticles: A Metallic Photoacoustic Contrast Agent for Multiwavelength Imaging of Tumors. <i>Small</i> , 2019 , 15, e1903596	11	13
147	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
146	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
145	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
144	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
143	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
142	Role of Si in the Surface Damage Mechanism of RB-SiC/Si Under Mechanical Loading. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 254-262	1.6	1
141	Ultra-precision Machining of Hard and Brittle Materials with Coarse-Grained Grinding Wheels. <i>Springer Tracts in Mechanical Engineering</i> , 2019 , 201-236	0.3	2
140	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
139	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
138	Investigation into the anisotropy of cross-grinding surface quality in C- and M-planes of sapphire. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019 , 233, 44-54	2.4	4
137	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
136	Enhanced electricity generation and organic matter degradation during three-chamber bioelectrochemically assisted anaerobic composting of dewatered sludge. <i>Biochemical Engineering Journal</i> , 2018 , 133, 196-204	4.2	4

135	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
134	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
133	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
132	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
131	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
130	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
129	Hemispherical photoacoustic imaging of myocardial infarction: in vivo detection and monitoring. <i>European Radiology</i> , 2018 , 28, 2176-2183	8	39
128	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
127	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
126	Microbial characteristics of landfill leachate disposed by aerobic moving bed biofilm reactor. <i>Water Science and Technology</i> , 2018 , 77, 1089-1097	2.2	5
125	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
124	Natural Humic-Acid-Based Phototheranostic Agent. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701202	10.1	20
123	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
122	Struvite precipitation from anaerobic sludge supernatant and mixed fresh/stale human urine. <i>Chemical Engineering Journal</i> , 2018 , 344, 254-261	14.7	46
121	Online monitoring of truing arc-shaped diamond wheel by acoustic emission signal. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018 , 232, 1484-1490	2.4	4
120	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
119	Precision machining of water-drop surface by single point diamond grinding. <i>Precision Engineering</i> , 2018 , 51, 190-197	2.9	6
118	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

117	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
116	Diagnosis of dermatophytosis using single fungus endogenous fluorescence spectrometry. <i>Biomedical Optics Express</i> , 2018 , 9, 2733-2742	3.5	4
115	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
114	Improved force prediction model for grinding Zerodur based on the comprehensive material removal mechanism. <i>Applied Optics</i> , 2018 , 57, 3704-3713	1.7	5
113	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
112	Surface damage mechanism of monocrystalline silicon during single point diamond grinding. <i>Wear</i> , 2018 , 396-397, 48-55	3.5	23
111	Operation performance of an A/O process combined sewage sludge treatment and phosphorus recovery using human urine. <i>Water Science and Technology</i> , 2018 , 78, 2597-2607	2.2	1
110	Organic and nitrogen load removal from bio-treated landfill leachates by a dual-anode system. <i>Environmental Science: Water Research and Technology</i> , 2018 , 4, 2104-2112	4.2	3
109	Ultra-precision cutting of linear micro-groove array for distributed feedback laser devices. <i>International Journal of Nanomanufacturing</i> , 2018 , 14, 9	0.7	2
108	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
107	Improvement of precision grinding performance of CVD diamond wheels by micro-structured surfaces. <i>Ceramics International</i> , 2018 , 44, 17333-17339	5.1	36
106	On-machine truing of diamond wheel and high-efficiency grinding of monocrystal silicon for aspheric surface. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2017 , 231, 186-192	2.4	6
105	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
104	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
103	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
102	Evolution of material removal modes of sapphire under varied scratching depths. <i>Ceramics International</i> , 2017 , 43, 10353-10360	5.1	40
101	Surface Damage Mechanism of Monocrystalline Si Under Mechanical Loading. <i>Journal of Electronic Materials</i> , 2017 , 46, 1862-1868	1.9	3
100	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

99	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
98	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
97	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
96	Application of X- ray diffraction to study the grinding induced surface damage mechanism of WC/Co. <i>International Journal of Refractory Metals and Hard Materials</i> , 2017 , 64, 205-209	4.1	2
95	Utilization of artificial recharged effluent for irrigation: pollutants' removal and risk assessment. <i>Journal of Water Reuse and Desalination</i> , 2017 , 7, 77-87	2.6	5
94	Form error compensation in soft wheel polishing by contact force optimization. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 91, 1197-1207	3.2	5
93	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
92	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
91	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
90	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
89	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
88	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
87	Ultrasonic vibration assisted grinding of hard and brittle linear micro-structured surfaces. <i>Precision Engineering</i> , 2017 , 48, 98-106	2.9	52
86	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
85	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
84	A further study of wheel normal grinding of hemisphere couples on TiC-based cermet. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 87, 2593-2602	3.2	6
83	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
82	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

81	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
80	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
79	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
78	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
77	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
76	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
75	Utilization of artificial recharged effluent as makeup water for industrial cooling system: corrosion and scaling. <i>Water Science and Technology</i> , 2016 , 73, 2559-69	2.2	3
74	Recrystallization of amorphized Si during micro-grinding of RB-SiC/Si composites. <i>Materials Letters</i> , 2016 , 172, 48-51	3.3	4
73	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
72	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
71	The eAND process: enabling simultaneous nitrogen-removal and disinfection for WWTP effluent. <i>Water Research</i> , 2015 , 74, 122-31	12.5	23
70	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
69	Wheel normal grinding of hard and brittle materials. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 79, 873-880	3.2	16
68	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
67	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
66	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
65	On-machine precision form truing of arc-shaped diamond wheels. <i>Journal of Materials Processing Technology</i> , 2015 , 223, 65-74	5.3	26
64	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

63	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
62	Investigation of contact pressure and influence function model for soft wheel polishing. <i>Applied Optics</i> , 2015 , 54, 8091-9	0.2	10
61	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
60	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
59	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
58	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
57	Long-term operation of manure-microbial fuel cell. <i>Bioresource Technology</i> , 2015 , 180, 365-9	11	26
56	Reduction of dissolved organic matter in secondary municipal effluents by enhanced coagulation. <i>Environmental Progress and Sustainable Energy</i> , 2015 , 34, 751-760	2.5	6
55	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
54	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
53	Ultraprecision grinding of TiC-based cermet hemisphere couples. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 73, 1281-1289	3.2	12
52	Bioelectrochemical desalination and electricity generation in microbial desalination cell with dewatered sludge as fuel. <i>Bioresource Technology</i> , 2014 , 157, 120-6	11	48
51	Precision truing of diamond wheel with sharp edge 2014 ,		1
50	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
49	Evaluation of ultrasound and glucose synergy effect on the optical clearing and light penetration for human colon tissue using SD-OCT. <i>Journal of Biophotonics</i> , 2014 , 7, 938-47	3.1	8
48	Freezing/thawing effect on sewage sludge degradation and electricity generation in microbial fuel cell. <i>Water Science and Technology</i> , 2014 , 70, 444-9	2.2	6
47	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
46	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

45	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
44	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
43	Biocathode microbial fuel cell for efficient electricity recovery from dairy manure. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 537-43	11.8	74
42	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
41	Efficient electricity generation from sewage sludge using biocathode microbial fuel cell. <i>Water Research</i> , 2012 , 46, 43-52	12.5	143
40	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
39	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
38	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
37	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
36	Characterization and transformation of dissolved organic matter in a full-scale wastewater treatment plant in Harbin, China. <i>Desalination and Water Treatment</i> , 2012 , 46, 295-303		7
35	Domestic wastewater treatment with CEPT-wetlands process. <i>International Journal of Environment and Pollution</i> , 2011 , 45, 186	0.7	2
34	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
33	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
32	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
31	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
30	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
29	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
28	Effect of struvite seed crystal on MAP crystallization. <i>Journal of Chemical Technology and Biotechnology</i> , 2011 , 86, 1394-1398	3.5	24

27	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
26	Extracellular biological organic matters in microbial fuel cell using sewage sludge as fuel. <i>Water Research</i> , 2010 , 44, 2163-70	12.5	52
25	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
24	Enhancing denitrifying sulfide removal with functional strains under micro-aerobic condition. <i>Process Biochemistry</i> , 2010 , 45, 1007-1010	4.8	26
23	Investigation of surface and subsurface damage in diamond grinding of optical glass using hybrid copper-resin-bonded diamond wheel. <i>Journal of Vacuum Science & Technology B</i> , 2009 , 27, 1489		5
22	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
21	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
20	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
19	Electricity generation from bio-treatment of sewage sludge with microbial fuel cell. <i>Bioresource Technology</i> , 2009 , 100, 5808-12	11	133
18	Trihalomethane formation potential of organic fractions in secondary effluent. <i>Journal of Environmental Sciences</i> , 2008 , 20, 520-7	6.4	20
17	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
16	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
15	Enhancing phosphorus recovery by a new internal recycle seeding MAP reactor. <i>Bioresource Technology</i> , 2008 , 99, 6488-93	11	39
14	Increased sustainable electricity generation in up-flow air-cathode microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2008 , 23, 1157-60	11.8	60
13	Fate of secondary effluent dissolved organic matter during soil-aquifer treatment. <i>Science Bulletin</i> , 2007 , 52, 2496-2505		20
12	Ultra-precision ductile grinding of BK7 using super abrasive diamond wheel. <i>Frontiers of Mechanical Engineering in China</i> , 2007 , 2, 350-355		1
11	Surface and subsurface integrity in diamond grinding of optical glasses on Tetraform TiN . <i>International Journal of Machine Tools and Manufacture</i> , 2007 , 47, 2091-2097	9.4	72
10	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

9	A microbial fuel cell using permanganate as the cathodic electron acceptor. <i>Journal of Power Sources</i> , 2006 , 162, 1409-1415	8.9	258
8	An innovative process to improve turbidity and Organics Removal by BAC filters. <i>Journal of Ocean University of China</i> , 2006 , 5, 387-392	1	
7	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
6	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
5	Evaluation on a pilot-scale attached-growth pond system treating domestic wastewater. <i>Water Research</i> , 1996 , 30, 242-245	12.5	24
4	Temperature Influence on Performance of Oxidation Ponds. <i>Water Science and Technology</i> , 1991 , 24, 85-96	2.2	3
3	Dyeing Wastewater Treatment by Ash-inder and Dust/Off Gas. <i>Water Science and Technology</i> , 1991 , 24, 215-220	2.2	3
2	Oxic-Settling-Anaerobic Process for Enhanced Microbial Decay		2
1	The effects of structured grinding wheel designed parameters on the geometries of ground structured surfaces. <i>International Journal of Advanced Manufacturing Technology</i> , 1	3.2	0