

Qingliang Zhao

List of Publications by Year in descending order

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258
papers

8,605
citations

43973

48
h-index

69108

77
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259
all docs

259
docs citations

259
times ranked

7439
citing authors

#	ARTICLE	IF	CITATIONS
1	A microbial fuel cell using permanganate as the cathodic electron acceptor. <i>Journal of Power Sources</i> , 2006, 162, 1409-1415.	4.0	296
2	Development, current state and future trends of sludge management in China: Based on exploratory data and CO ₂ -equivalent emissions analysis. <i>Environment International</i> , 2020, 144, 106093.	4.8	223
3	Accelerated start-up of two-chambered microbial fuel cells: Effect of anodic positive poised potential. <i>Electrochimica Acta</i> , 2009, 54, 1109-1114.	2.6	219
4	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.	3.8	183
5	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.	6.6	175
6	Efficient electricity generation from sewage sludge using biocathode microbial fuel cell. <i>Water Research</i> , 2012, 46, 43-52.	5.3	162
7	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.	3.3	161
8	Photoacoustic Imaging-Trackable Magnetic Microswimmers for Pathogenic Bacterial Infection Treatment. <i>ACS Nano</i> , 2020, 14, 2880-2893.	7.3	155
9	Adsorption of Cu ²⁺ and Zn ²⁺ 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.	6.5	152
10	Electricity generation from bio-treatment of sewage sludge with microbial fuel cell. <i>Bioresource Technology</i> , 2009, 100, 5808-5812.	4.8	149
11	Deep Photoacoustic/Luminescence/Magnetic Resonance Multimodal Imaging in Living Subjects Using High-Efficiency Upconversion Nanocomposites. <i>Advanced Materials</i> , 2016, 28, 6411-6419.	11.1	142
12	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.	3.7	135
13	An overview of plant microbial fuel cells (PMFCs): Configurations and applications. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 110, 402-414.	8.2	132
14	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.	1.8	131
15	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.	4.0	129
16	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.	2.6	117
17	A review of biochar in anaerobic digestion to improve biogas production: Performances, mechanisms and economic assessments. <i>Bioresource Technology</i> , 2021, 341, 125797.	4.8	114
18	A multi-level optimization approach for energy-efficient flexible flow shop scheduling. <i>Journal of Cleaner Production</i> , 2016, 137, 1543-1552.	4.6	111

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19	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.	3.1	107
20	Adsorption behaviors of Cu ²⁺ , Zn ²⁺ and Cd ²⁺ onto proteins, humic acid, and polysaccharides extracted from sludge EPS: Sorption properties and mechanisms. <i>Bioresource Technology</i> , 2019, 291, 121868.	4.8	100
21	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.	6.5	91
22	A review of ARGs in WWTPs: Sources, stressors and elimination. <i>Chinese Chemical Letters</i> , 2020, 31, 2603-2613.	4.8	89
23	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.	4.8	85
24	Surface and subsurface integrity in diamond grinding of optical glasses on Tetraform $\text{Ca}^{\sim}\text{Ca}^{\text{TM}}$. <i>International Journal of Machine Tools and Manufacture</i> , 2007, 47, 2091-2097.	6.2	84
25	Biocathode microbial fuel cell for efficient electricity recovery from dairy manure. <i>Biosensors and Bioelectronics</i> , 2012, 31, 537-543.	5.3	82
26	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.	6.5	82
27	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.	6.2	80
28	Urea hydrolysis and recovery of nitrogen and phosphorous as MAP from stale human urine. <i>Journal of Environmental Sciences</i> , 2008, 20, 1018-1024.	3.2	76
29	Precision grinding of optical glass with laser micro-structured coarse-grained diamond wheels. <i>Journal of Materials Processing Technology</i> , 2014, 214, 1045-1051.	3.1	76
30	Dewatering efficiency of sewage sludge during Fe ²⁺ -activated persulfate oxidation: Effect of hydrophobic/hydrophilic properties of sludge EPS. <i>Water Research</i> , 2020, 181, 115903.	5.3	76
31	A single-step multi-level supramolecular system for cancer sonotheranostics. <i>Nanoscale Horizons</i> , 2019, 4, 190-195.	4.1	71
32	Catalytic pyrolysis of amino acids: Comparison of aliphatic amino acid and cyclic amino acid. <i>Energy Conversion and Management</i> , 2016, 112, 220-225.	4.4	69
33	Ultrasonic vibration assisted grinding of hard and brittle linear micro-structured surfaces. <i>Precision Engineering</i> , 2017, 48, 98-106.	1.8	69
34	Degradation and characteristic changes of organic matter in sewage sludge using microbial fuel cell with ultrasound pretreatment. <i>Bioresource Technology</i> , 2011, 102, 272-277.	4.8	67
35	Increased sustainable electricity generation in up-flow air-cathode microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1157-1160.	5.3	65
36	Extracellular biological organic matters in microbial fuel cell using sewage sludge as fuel. <i>Water Research</i> , 2010, 44, 2163-2170.	5.3	65

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37	Struvite precipitation from anaerobic sludge supernatant and mixed fresh/stale human urine. <i>Chemical Engineering Journal</i> , 2018, 344, 254-261.	6.6	60
38	Bioelectrochemical desalination and electricity generation in microbial desalination cell with dewatered sludge as fuel. <i>Bioresource Technology</i> , 2014, 157, 120-126.	4.8	59
39	Evolution of material removal modes of sapphire under varied scratching depths. <i>Ceramics International</i> , 2017, 43, 10353-10360.	2.3	58
40	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.	5.2	58
41	Treatment of leachate concentrate by electrocoagulation coupled with electro-Fenton-like process: Efficacy and mechanism. <i>Separation and Purification Technology</i> , 2021, 255, 117668.	3.9	58
42	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.	4.2	56
43	Hemispherical photoacoustic imaging of myocardial infarction: in vivo detection and monitoring. <i>European Radiology</i> , 2018, 28, 2176-2183.	2.3	55
44	Improvement of precision grinding performance of CVD diamond wheels by micro-structured surfaces. <i>Ceramics International</i> , 2018, 44, 17333-17339.	2.3	52
45	Enhanced visible light photocatalytic performance with metal-doped Bi ₂ WO ₆ for typical fluoroquinolones degradation: Efficiencies, pathways and mechanisms. <i>Chemosphere</i> , 2020, 252, 126577.	4.2	52
46	Degradation of pentachlorophenol with the presence of fermentable and non-fermentable co-substrates in a microbial fuel cell. <i>Bioresource Technology</i> , 2011, 102, 8762-8768.	4.8	51
47	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, 990-995.	4.8	51
48	Microbial fuel cell with high content solid wastes as substrates: a review. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	3.3	50
49	Accelerating anodic biofilms formation and electron transfer in microbial fuel cells: Role of anionic biosurfactants and mechanism. <i>Bioelectrochemistry</i> , 2017, 117, 48-56.	2.4	49
50	PEGylated rhenium nanoclusters: a degradable metal photothermal nanoagent for cancer therapy. <i>Chemical Science</i> , 2019, 10, 5435-5443.	3.7	49
51	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.	1.8	47
52	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.	3.3	47
53	Enhancing phosphorus recovery by a new internal recycle seeding MAP reactor. <i>Bioresource Technology</i> , 2008, 99, 6488-6493.	4.8	46
54	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.	3.1	46

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55	Dependence of material removal on crystal orientation of sapphire under cross scratching. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2465-2472.	2.8	46
56	Ultra-precision grinding of optical glasses using mono-layer nickel electroplated coarse-grained diamond wheels. Part I: ELID assisted precision conditioning of grinding wheels. <i>Precision Engineering</i> , 2015, 39, 56-66.	1.8	45
57	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.	2.3	45
58	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.	2.4	45
59	Hydrocarbon and Ammonia Production from Catalytic Pyrolysis of Sewage Sludge with Acid Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1819-1826.	3.2	44
60	Tumor-Specific Endogenous Fe ^{II} -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.	4.0	44
61	Investigation of anisotropic mechanisms in ultra-precision diamond machining of KDP crystal. <i>Journal of Materials Processing Technology</i> , 2009, 209, 4169-4177.	3.1	43
62	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.	1.1	42
63	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.	2.6	42
64	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.	2.7	41
65	Effect of cathode types on long-term performance and anode bacterial communities in microbial fuel cells. <i>Bioresource Technology</i> , 2012, 118, 249-256.	4.8	40
66	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.	4.8	38
67	Electrochemical treatment of bio-treated landfill leachate: Influence of electrode arrangement, potential, and characteristics. <i>Chemical Engineering Journal</i> , 2018, 344, 34-41.	6.6	38
68	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.	1.6	37
69	Seasonal concentration distribution of PM1.0 and PM2.5 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.	1.6	37
70	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, 1645-1655.	1.3	36
71	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.	6.2	35
72	Effect of cutting tool geometries on the ductile-brittle transition of monocrystalline sapphire. <i>International Journal of Mechanical Sciences</i> , 2018, 148, 565-577.	3.6	35

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73	Long-term operation of manure-microbial fuel cell. <i>Bioresource Technology</i> , 2015, 180, 365-369.	4.8	34
74	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.	2.0	34
75	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.	4.1	34
76	The eAND process: Enabling simultaneous nitrogen-removal and disinfection for WWTP effluent. <i>Water Research</i> , 2015, 74, 122-131.	5.3	33
77	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.	4.8	33
78	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.	1.7	33
79	Mechanical polishing of ultrahard nanotwinned diamond via transition into hard sp ² -sp ³ amorphous carbon. <i>Carbon</i> , 2020, 161, 1-6.	5.4	33
80	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.	1.8	31
81	Natural Humic Acid-Based Phototheranostic Agent. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701202.	3.9	31
82	Multimodal Photoacoustic Imaging-Guided Regression of Corneal Neovascularization: A Non-Invasive and Safe Strategy. <i>Advanced Science</i> , 2020, 7, 2000346.	5.6	31
83	Insight into the visible light activation of sulfite by Fe/g-C ₃ N ₄ 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.	6.6	31
84	Evaluation on a pilot-scale attached-growth pond system treating domestic wastewater. <i>Water Research</i> , 1996, 30, 242-245.	5.3	30
85	On-machine precision form truing of arc-shaped diamond wheels. <i>Journal of Materials Processing Technology</i> , 2015, 223, 65-74.	3.1	30
86	Ultra-precision grinding of AlON ceramics: Surface finish and mechanisms. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3668-3676.	2.8	30
87	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.	3.8	30
88	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.	4.2	30
89	Surface damage mechanism of monocrystalline silicon during single point diamond grinding. <i>Wear</i> , 2018, 396-397, 48-55.	1.5	29
90	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.	0.8	28

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91	Effect of struvite seed crystal on MAP crystallization. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1394-1398.	1.6	28
92	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.	2.4	28
93	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.	1.5	28
94	Water assisted pulsed laser machining of micro-structured surface on CVD diamond coating tools. <i>Journal of Manufacturing Processes</i> , 2020, 56, 591-601.	2.8	28
95	Enhancing denitrifying sulfide removal with functional strains under micro-aerobic condition. <i>Process Biochemistry</i> , 2010, 45, 1007-1010.	1.8	27
96	Precision grinding of binderless ultrafine tungsten carbide (WC) microstructured surfaces. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 64, 727-735.	1.5	27
97	PEGylated Tantalum Nanoparticles: A Metallic Photoacoustic Contrast Agent for Multiwavelength Imaging of Tumors. <i>Small</i> , 2019, 15, e1903596.	5.2	27
98	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.	6.6	26
99	Trihalomethane formation potential of organic fractions in secondary effluent. <i>Journal of Environmental Sciences</i> , 2008, 20, 520-527.	3.2	24
100	Kinetics and equilibrium of adsorption of dissolved organic matter fractions from secondary effluent by fly ash. <i>Journal of Environmental Sciences</i> , 2011, 23, 1057-1065.	3.2	24
101	Underestimated public health risks caused by overestimated VOC removal in wastewater treatment processes. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 271-279.	1.7	24
102	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.	1.5	24
103	Injection Molded Strong Polypropylene Composite Foam Reinforced with Rubber and Talc. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900630.	1.7	24
104	The influence of the ionization regime on femtosecond laser beam machining mono-crystalline diamond. <i>Optics and Laser Technology</i> , 2018, 106, 34-39.	2.2	23
105	Hollow mesoporous carbon nanospheres for imaging-guided light-activated synergistic thermo-chemotherapy. <i>Nanoscale</i> , 2019, 11, 16351-16361.	2.8	23
106	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.	2.3	23
107	Safe–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.	7.8	23
108	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.	0.1	22

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109	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.	1.1	22
110	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.	6.2	22
111	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.	6.7	22
112	Development of an MFC-powered BEF system with novel Fe ²⁺ /Mn ²⁺ /Mg/CF composite cathode to degrade refractory pollutants. <i>Journal of Cleaner Production</i> , 2021, 326, 129348.	4.6	22
113	Fate of secondary effluent dissolved organic matter during soil-aquifer treatment. <i>Science Bulletin</i> , 2007, 52, 2496-2505.	1.7	21
114	Wheel normal grinding of hard and brittle materials. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 79, 873-880.	1.5	21
115	Bioelectrochemically-assisted anaerobic composting process enhancing compost maturity of dewatered sludge with synchronous electricity generation. <i>Bioresource Technology</i> , 2015, 193, 1-7.	4.8	21
116	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.	1.6	21
117	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.	3.3	21
118	Bioelectricity generation and dewatered sludge degradation in microbial capacitive desalination cell. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5159-5167.	2.7	21
119	Transformation of erythromycin during secondary effluent soil aquifer recharging: Removal contribution and degradation path. <i>Journal of Environmental Sciences</i> , 2017, 51, 173-180.	3.2	21
120	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.	1.6	21
121	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.	6.6	21
122	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> , 2022, 424, 127605.	6.5	21
123	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.	4.2	21
124	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.	1.1	20
125	An investigation of the surface waviness features of ground surface in parallel grinding process. <i>International Journal of Mechanical Sciences</i> , 2020, 170, 105351.	3.6	20
126	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.	6.6	20

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127	Atmospheric pollution of agriculture-oriented cities in Northeast China: A case in Suihua. <i>Journal of Environmental Sciences</i> , 2020, 97, 85-95.	3.2	20
128	Optimisation of spray-mist-assisted laser machining of micro-structures on CVD diamond coating surfaces. <i>Ceramics International</i> , 2021, 47, 22108-22120.	2.3	20
129	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.	2.7	20
130	Comparison of dissolved organic matter fractions in a secondary effluent and a natural water. <i>Environmental Monitoring and Assessment</i> , 2011, 180, 371-383.	1.3	19
131	Preferable utilization of in-situ produced H2O2 rather than externally added for efficient deposition of tungsten and molybdenum in microbial fuel cells. <i>Electrochimica Acta</i> , 2017, 247, 880-890.	2.6	19
132	Simultaneous sludge degradation, desalination and bioelectricity generation in two-phase microbial desalination cells. <i>Chemical Engineering Journal</i> , 2019, 361, 180-188.	6.6	19
133	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.	2.8	19
134	Remote vascular interventional surgery robotics: a literature review. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 2552-2574.	1.1	19
135	Surface and subsurface microscopic characteristics in sapphire ultra-precision grinding. <i>Tribology International</i> , 2022, 174, 107710.	3.0	19
136	Mechanisms of ductile mode machining for AlON ceramics. <i>Ceramics International</i> , 2020, 46, 1844-1853.	2.3	18
137	Material removal behaviour in axial ultrasonic assisted scratching of Zerodur and ULE with a Vickers indenter. <i>Ceramics International</i> , 2020, 46, 14613-14624.	2.3	18
138	Fluorescence spectroscopic characterization of dissolved organic matter fractions in soils in soil aquifer treatment. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 4591-4603.	1.3	17
139	Mechanical truing of V-shape diamond wheels for micro-structured surface grinding. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 78, 1067-1073.	1.5	17
140	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.	3.3	17
141	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.	1.7	17
142	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.	2.7	17
143	Organic matter extracted from activated sludge with ammonium hydroxide and its characterization. <i>Journal of Environmental Sciences</i> , 2010, 22, 641-647.	3.2	16
144	<i>Ex vivo</i> 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, 1050041.	1.4	16

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145	Investigation of contact pressure and influence function model for soft wheel polishing. <i>Applied Optics</i> , 2015, 54, 8091.	2.1	16
146	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.	1.7	16
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