

# Xie Quan

## 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.

575  
papers

30,084  
citations

90  
h-index

136  
g-index

582  
ext. papers

34,723  
ext. citations

8.8  
avg, IF

7.74  
L-index

#	Paper	IF	Citations
575	Robust ultrathin nanoporous MOF membrane with intra-crystalline defects for fast water transport.. <i>Nature Communications</i> , <b>2022</b> , 13, 266	17.4	12
574	Enhancing the formation of simultaneous nitrification and denitrification (SND) biofilm and nitrogen removal performance using two-units IFFAS process filled with surface-modified carriers. <i>Biochemical Engineering Journal</i> , <b>2022</b> , 179, 108316	4.2	1
573	Accelerating anaerobic hydrolysis acidification of dairy wastewater in integrated floating-film and activated sludge (IFFAS) by using zero-valent iron (ZVI) composite carriers. <i>Biochemical Engineering Journal</i> , <b>2022</b> , 177, 108226	4.2	3
572	Multiple application of SAzyme based on carbon nitride nanorod-supported Pt single-atom for H <sub>2</sub> O <sub>2</sub> detection, antibiotic detection and antibacterial therapy. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 131572	14.7	5
571	Enhancing anoxic denitrification of low C/N ratio wastewater with novel ZVI composite carriers.. <i>Journal of Environmental Sciences</i> , <b>2022</b> , 112, 180-191	6.4	7
570	Enhanced degradation of organic water pollutants by photocatalytic in-situ activation of sulfate based on Z-scheme g-C <sub>3</sub> N <sub>4</sub> /BiPO <sub>4</sub> . <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 132116	14.7	6
569	Fabrication of FeOCl nanoparticles modified microchannel carbon cathode for flow-through electro-Fenton degradation of refractory organic pollutants. <i>Separation and Purification Technology</i> , <b>2022</b> , 288, 120661	8.3	1
568	Synergistic induced charge transfer switch by oxygen vacancy and pyrrolic nitrogen in MnFe <sub>2</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunctions for efficient transformation of bicarbonate to acetate in photo-assisted MES. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 307, 121214	21.8	2
567	Enhancing anaerobic methane production in integrated floating-film activated sludge system filled with novel MWCNTs-modified carriers.. <i>Chemosphere</i> , <b>2022</b> , 134483	8.4	0
566	Non-doping 3D porous carbon with rich intrinsic defects for efficient nonradical activation of peroxymonosulfate toward the degradation of organic pollutants. <i>Separation and Purification Technology</i> , <b>2022</b> , 292, 121048	8.3	0
565	High-efficiency electrochemical activation of H <sub>2</sub> O <sub>2</sub> into $\cdot$ OH enabled by flow-through FeOCl-modified carbon electrode for organic pollutants degradation. <i>Separation and Purification Technology</i> , <b>2022</b> , 121279	8.3	0
564	Construction of a Microchannel Aeration Cathode for Producing HO via Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 56045-56053	9.5	3
563	Treatment of organic wastewater by a synergic electrocatalysis process with Ti self-doped TiO nanotube arrays electrode as both cathode and anode. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 424, 127747 <sup>12.8</sup>	12.8	3
562	Performance of Alternating-Current-Enhanced Anaerobic Membrane Bioreactor: Membrane Fouling, Wastewater Treatment, and CH <sub>4</sub> Production. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 15973-15982	8.3	0
561	Electro-Fenton improving fouling mitigation and microalgae harvesting performance in a novel membrane photobioreactor.. <i>Water Research</i> , <b>2021</b> , 210, 117955	12.5	0
560	Computer Assisted Design of Electro-Fenton Reactor to Improve the Pollutants Degradation Ability. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2033, 012062	0.3	
559	Enhanced Chlorinated Pollutant Degradation by the Synergistic Effect between Dechlorination and Hydroxyl Radical Oxidation on a Bimetallic Single-Atom Catalyst. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 14194-14203	10.3	8

558	Simultaneous Heteroatom Doping and Microstructure Construction by Solid Thermal Melting Method for Enhancing Photoelectrochemical Property of g-C3N4 Electrodes. <i>Separation and Purification Technology</i> , <b>2021</b> , 120005	8.3	1
557	Efficient Light-Driven Fuel Cell with Simultaneous Degradation of Pollutants on a TiO2 Photoanode and Production of H2O2 on a Gas Diffusion Electrode Cathode. <i>ACS ES&amp;T Engineering</i> , <b>2021</b> , 1, 1122-1130		4
556	A porous carbon-based electro-Fenton hollow fiber membrane with good antifouling property for microalgae harvesting. <i>Journal of Membrane Science</i> , <b>2021</b> , 626, 119189	9.6	7
555	Efficient electrochemical nitrate removal on Cu and nitrogen doped carbon. <i>Chemical Engineering Journal</i> , <b>2021</b> , 415, 128958	14.7	10
554	Electro-assisted CNTs/ceramic flat sheet ultrafiltration membrane for enhanced antifouling and separation performance. <i>Frontiers of Environmental Science and Engineering</i> , <b>2021</b> , 15, 1	5.8	8
553	Operating redox couple transport mechanism for enhancing photocatalytic H2 generation of Pt and CrOx-decorated ZnCdS nanocrystals. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 283, 119601	21.8	22
552	Degradation of aqueous bisphenol A in the CoCN/Vis/PMS system: Catalyst design, reaction kinetic and mechanism analysis. <i>Chemical Engineering Journal</i> , <b>2021</b> , 407, 127228	14.7	27
551	Photocatalytic ozonation of organic pollutants in wastewater using a flowing through reactor. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 405, 124277	12.8	10
550	Efficient production of acetate from inorganic carbon (HCO3 <sup>-</sup> ) in microbial electrosynthesis systems incorporating Ag3PO4/g-C3N4 anaerobic photo-assisted biocathodes. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 284, 119696	21.8	15
549	Carbon-Based Materials for Electrochemical Reduction of CO2 to C2+ Oxygenates: Recent Progress and Remaining Challenges. <i>ACS Catalysis</i> , <b>2021</b> , 11, 2076-2097	13.1	31
548	Highly efficient metal-free electro-Fenton degradation of organic contaminants on a bifunctional catalyst. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125859	12.8	9
547	Alternating current-enhanced carbon nanotubes hollow fiber membranes for membrane fouling control in novel membrane bioreactors. <i>Chemosphere</i> , <b>2021</b> , 277, 130240	8.4	1
546	Enhancing the treatment of petrochemical wastewater using redox mediator suspended biofilm carriers. <i>Biochemical Engineering Journal</i> , <b>2021</b> , 173, 108087	4.2	2
545	Flow-through heterogeneous electro-Fenton system based on the absorbent cotton derived bulk electrode for refractory organic pollutants treatment. <i>Separation and Purification Technology</i> , <b>2021</b> , 276, 119266	8.3	3
544	Selective reduction of nitrate to ammonium over charcoal electrode derived from natural wood. <i>Chemosphere</i> , <b>2021</b> , 285, 131501	8.4	4
543	Utilizing transparent and conductive SnO2 as electron mediator to enhance the photocatalytic performance of Z-scheme Si-SnO2-TiOx. <i>Frontiers of Environmental Science and Engineering</i> , <b>2020</b> , 14, 1	5.8	2
542	Selective electroreduction of CO to acetone by single copper atoms anchored on N-doped porous carbon. <i>Nature Communications</i> , <b>2020</b> , 11, 2455	17.4	121
541	Flexible Superhydrophobic Metal-Based Carbon Nanotube Membrane for Electrochemically Enhanced Water Treatment. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 9074-9082	10.3	29

540	High-flux robust ceramic membranes functionally decorated with nano-catalyst for emerging micro-pollutant removal from water. <i>Journal of Membrane Science</i> , <b>2020</b> , 611, 118281	9.6	19
539	Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater – a perspective. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 2178-2194	7.1	31
538	Enhancing anaerobic digestion in anaerobic integrated floating fixed-film activated sludge (An-IFFAS) system using novel electron mediator suspended biofilm carriers. <i>Water Research</i> , <b>2020</b> , 175, 115697	12.5	19
537	Simultaneous nitrification and denitrification process using novel surface-modified suspended carriers for the treatment of real domestic wastewater. <i>Chemosphere</i> , <b>2020</b> , 247, 125831	8.4	41
536	Integrated Analysis of the Water-Energy-Environmental Pollutant Nexus in the Petrochemical Industry. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 14830-14842	10.3	6
535	Acetate production from inorganic carbon (HCO <sub>3</sub> <sup>-</sup> ) in photo-assisted biocathode microbial electrosynthesis systems using WO <sub>3</sub> /MoO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunctions and <i>Serratia marcescens</i> species. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 267, 118611	21.8	42
534	Energy-transfer-mediated oxygen activation in carbonyl functionalized carbon nitride nanosheets for high-efficient photocatalytic water disinfection and organic pollutants degradation. <i>Water Research</i> , <b>2020</b> , 177, 115798	12.5	26
533	Mitigating Membrane Fouling Based on In Situ OH Generation in a Novel Electro-Fenton Membrane Bioreactor. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 7669-7676	10.3	17
532	Porous carbon membrane with enhanced selectivity and antifouling capability for water treatment under electrochemical assistance. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 560, 59-68	9.3	19
531	Construction of a Microchannel Electrochemical Reactor with a Monolithic Porous-Carbon Cathode for Adsorption and Degradation of Organic Pollutants in Several Minutes of Retention Time. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 1920-1928	10.3	13
530	Tuning Lewis acidity of MIL-88B-Fe with mix-valence coordinatively unsaturated iron centers on ultrathin Ti <sub>3</sub> C <sub>2</sub> nanosheets for efficient photo-Fenton reaction. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 264, 118534	21.8	49
529	Efficient day-night photocatalysis performance of 2D/2D TiC/Porous g-CN nanolayers composite and its application in the degradation of organic pollutants. <i>Chemosphere</i> , <b>2020</b> , 246, 125760	8.4	54
528	Constructing efficient WO <sub>3</sub> -FPC system for photoelectrochemical H <sub>2</sub> O <sub>2</sub> production and organic pollutants degradation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 389, 123427	14.7	15
527	Conductive CNT/nanofiber composite hollow fiber membranes with electrospun support layer for water purification. <i>Journal of Membrane Science</i> , <b>2020</b> , 596, 117613	9.6	21
526	Single-atom platinum confined by the interlayer nanospace of carbon nitride for efficient photocatalytic hydrogen evolution. <i>Nano Energy</i> , <b>2020</b> , 69, 104409	17.1	97
525	Efficient and stable heterogeneous electro-Fenton system using iron oxides embedded in Cu, N co-doped hollow porous carbon as functional electrocatalyst. <i>Separation and Purification Technology</i> , <b>2020</b> , 238, 116424	8.3	19
524	Electrokinetic Enhancement of Water Flux and Ion Rejection through Graphene Oxide/Carbon Nanotube Membrane. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 15433-15441	10.3	6
523	Cross-linked Graphene Oxide Framework Membranes with Robust Nano-Channels for Enhanced Sieving Ability. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 15442-15453	10.3	22

522	Enhanced Photocatalytic H <sub>2</sub> O <sub>2</sub> Production over Carbon Nitride by Doping and Defect Engineering. <i>ACS Catalysis</i> , <b>2020</b> , 10, 14380-14389	13.1	77
521	High-Efficiency Electrocatalysis of Molecular Oxygen toward Hydroxyl Radicals Enabled by an Atomically Dispersed Iron Catalyst. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 12662-12672	10.3	38
520	Selective electrochemical HO generation and activation on a bifunctional catalyst for heterogeneous electro-Fenton catalysis. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 382, 121102	12.8	71
519	Efficient electrochemical reduction of nitrobenzene by nitrogen doped porous carbon. <i>Chemosphere</i> , <b>2020</b> , 238, 124636	8.4	13
518	Health risk assessment of heavy metals and pesticides: A case study in the main drinking water source in Dalian, China. <i>Chemosphere</i> , <b>2020</b> , 242, 125113	8.4	63
517	Enhanced activation of peroxymonosulfate by CNT-TiO <sub>2</sub> under UV-light assistance for efficient degradation of organic pollutants. <i>Frontiers of Environmental Science and Engineering</i> , <b>2019</b> , 13, 1	5.8	18
516	A pH-responsive PAA-grafted-CNT intercalated RGO membrane with steady separation efficiency for charged contaminants over a wide pH range. <i>Separation and Purification Technology</i> , <b>2019</b> , 215, 422-429	8.3	18
515	Carbon nanotubes-incorporated MIL-88B-Fe as highly efficient Fenton-like catalyst for degradation of organic pollutants. <i>Frontiers of Environmental Science and Engineering</i> , <b>2019</b> , 13, 1	5.8	29
514	Enhanced catalytic ozonation by highly dispersed CeO on carbon nanotubes for mineralization of organic pollutants. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 368, 621-629	12.8	34
513	Enhanced heterogeneous activation of peroxymonosulfate by Co and N codoped porous carbon for degradation of organic pollutants: the synergism between Co and N. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 399-410	7.1	86
512	A novel porous-carbon-based hollow fiber membrane with electrochemical reduction mediated by in-situ hydroxyl radical generation for fouling control and water treatment. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 255, 117772	21.8	26
511	Templated nanoreactor arrays for nanoscale-tunable liquid-phase catalysis. <i>Chemical Communications</i> , <b>2019</b> , 55, 6575-6578	5.8	3
510	Fabrication of a double-helical photocatalytic module for disinfection and antibiotics degradation. <i>Water Environment Research</i> , <b>2019</b> , 91, 918-925	2.8	1
509	Performing homogeneous catalytic ozonation using heterogeneous Mn <sup>2+</sup> -bonded oxidized carbon nanotubes by self-driven pH variation induced reversible desorption and adsorption of Mn <sup>2+</sup> . <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 1932-1940	7.1	7
508	Preparation of fluorinated activated carbon for electro-Fenton treatment of organic pollutants in coking wastewater: The influences of oxygen-containing groups. <i>Separation and Purification Technology</i> , <b>2019</b> , 224, 534-542	8.3	15
507	Enhanced permeability, contaminants removal and antifouling ability of CNTs-based hollow fiber membranes under electrochemical assistance. <i>Journal of Membrane Science</i> , <b>2019</b> , 582, 335-341	9.6	17
506	Three-Dimensional Branched Crystal Carbon Nitride with Enhanced Intrinsic Peroxidase-Like Activity: A Hypersensitive Platform for Colorimetric Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 17467-17474	9.5	19
505	Comparison of CNT-PVA membrane and commercial polymeric membranes in treatment of emulsified oily wastewater. <i>Frontiers of Environmental Science and Engineering</i> , <b>2019</b> , 13, 1	5.8	17

504	Current Prospective on Environmental Nanotechnology Research in China. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 4001-4002	10.3	4
503	Enhanced Perfluorooctanoic Acid Degradation by Electrochemical Activation of Sulfate Solution on B/N Codoped Diamond. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 5195-5201	10.3	43
502	In situ remediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 1283-1302	7.1	38
501	Improvement of Antifouling and Antimicrobial Abilities on Silver-Carbon Nanotube Based Membranes under Electrochemical Assistance. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 5292-5300	10.3	24
500	Intensified degradation and mineralization of antibiotic metronidazole in photo-assisted microbial fuel cells with Mo-W catalytic cathodes under anaerobic or aerobic conditions in the presence of Fe(III). <i>Chemical Engineering Journal</i> , <b>2019</b> , 376, 119566	14.7	21
499	Recovery of Metals from Wastes Using Bioelectrochemical Systems <b>2019</b> , 121-156		
498	Enhanced nitrification in integrated floating fixed-film activated sludge (IFFAS) system using novel clinoptilolite composite carrier. <i>Frontiers of Environmental Science and Engineering</i> , <b>2019</b> , 13, 1	5.8	8
497	Novel metal-organic framework supported manganese oxides for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> : Promotional role of the support. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 380, 120800	12.8	25
496	Effects of chlorinated polyfluoroalkyl ether sulfonate in comparison with perfluoroalkyl acids on gene profiles and stemness in human mesenchymal stem cells. <i>Chemosphere</i> , <b>2019</b> , 237, 124402	8.4	3
495	Alkali-metal-oxides coated ultrasmall Pt sub-nanoparticles loading on intercalated carbon nitride: Enhanced charge interlayer transportation and suppressed backwark reaction for overall water splitting. <i>Journal of Catalysis</i> , <b>2019</b> , 377, 72-80	7.3	17
494	Nanoscale lightning rod effect in 3D carbon nitride nanoneedle: Enhanced charge collection and separation for efficient photocatalysis. <i>Journal of Catalysis</i> , <b>2019</b> , 375, 361-370	7.3	31
493	Vertically Aligned Janus MXene-Based Aerogels for Solar Desalination with High Efficiency and Salt Resistance. <i>ACS Nano</i> , <b>2019</b> , 13, 13196-13207	16.7	138
492	Efficient HO <sub>2</sub> generation and electro-Fenton degradation of pollutants in microchannels of oxidized monolithic-porous-carbon cathode. <i>Water Science and Technology</i> , <b>2019</b> , 80, 970-978	2.2	4
491	Catalytic performance and an insight into the mechanism of CeO <sub>2</sub> nanocrystals with different exposed facets in catalytic ozonation of p-nitrophenol. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 248, 526-537	21.8	77
490	Non enzymatic fluorometric determination of glucose by using quenchable g-CN quantum dots. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 779	5.8	8
489	N-doped three-dimensional carbon foam as binder-free electrode for organic pollutants removal by electro-Fenton in neutral medium. <i>Blue-Green Systems</i> , <b>2019</b> , 1, 86-101	5.2	0
488	Electrochemical reduction of N <sub>2</sub> to ammonia on Co single atom embedded N-doped porous carbon under ambient conditions. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 26358-26363	13	24
487	Real Time Detection of Hazardous Hydroxyl Radical Using an Electrochemical Approach. <i>ChemistrySelect</i> , <b>2019</b> , 4, 12507-12511	1.8	8

486	Steering CO electroreduction toward ethanol production by a surface-bound Ru polypyridyl carbene catalyst on N-doped porous carbon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> ,	11.5	33
485	Efficient photo-Fenton activity in mesoporous MIL-100(Fe) decorated with ZnO nanosphere for pollutants degradation. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 245, 428-438	21.8	105
484	A novel aerobic electrochemical membrane bioreactor with CNTs hollow fiber membrane by electrochemical oxidation to improve water quality and mitigate membrane fouling. <i>Water Research</i> , <b>2019</b> , 151, 54-63	12.5	49
483	The Technology Horizon for Photocatalytic Water Treatment: Sunrise or Sunset?. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 2937-2947	10.3	277
482	Sequential anaerobic and electro-Fenton processes mediated by W and Mo oxides for degradation/mineralization of azo dye methyl orange in photo assisted microbial fuel cells. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 245, 672-680	21.8	49
481	Fabrication of g-C <sub>3</sub> N <sub>4</sub> /Ti <sub>3</sub> C <sub>2</sub> composite and its visible-light photocatalytic capability for ciprofloxacin degradation. <i>Separation and Purification Technology</i> , <b>2019</b> , 211, 782-789	8.3	112
480	Constructing desired interfacial energy band alignment of Z-scheme TiO <sub>2</sub> -Pd-Cu <sub>2</sub> O hybrid by controlling the contact facet for improved photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 244, 347-355	21.8	46
479	Construction of Z-Scheme g-CN/RGO/WO with in situ photoreduced graphene oxide as electron mediator for efficient photocatalytic degradation of ciprofloxacin. <i>Chemosphere</i> , <b>2019</b> , 215, 444-453	8.4	110
478	Improving Ion Rejection of Conductive Nanofiltration Membrane through Electrically Enhanced Surface Charge Density. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 868-877	10.3	43
477	Novel Anaerobic Electrochemical Membrane Bioreactor with a CNTs Hollow Fiber Membrane Cathode to Mitigate Membrane Fouling and Enhance Energy Recovery. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 1014-1021	10.3	44
476	A loop of catholyte effluent feeding to bioanodes for complete recovery of Sn, Fe, and Cu with simultaneous treatment of the co-present organics in microbial fuel cells. <i>Science of the Total Environment</i> , <b>2019</b> , 651, 1698-1708	10.2	17
475	Nitrogen-doped hierarchically porous carbon nanopolyhedras derived from core-shell ZIF-8@ZIF-8 single crystals for enhanced oxygen reduction reaction. <i>Catalysis Today</i> , <b>2019</b> , 327, 366-373	5.3	28
474	Covalent functionalization of MoS nanosheets synthesized by liquid phase exfoliation to construct electrochemical sensors for Cd (II) detection. <i>Talanta</i> , <b>2018</b> , 182, 38-48	6.2	42
473	Fouling control mechanisms in filtrating natural organic matters by electro-enhanced carbon nanotubes hollow fiber membranes. <i>Journal of Membrane Science</i> , <b>2018</b> , 553, 54-62	9.6	31
472	Efficient In Situ Utilization of Caustic for Sequential Recovery and Separation of Sn, Fe, and Cu in Microbial Fuel Cells. <i>ChemElectroChem</i> , <b>2018</b> , 5, 1658-1669	4.3	11
471	Deposition and separation of W and Mo from aqueous solutions with simultaneous hydrogen production in stacked bioelectrochemical systems (BESs): Impact of heavy metals W(VI)/Mo(VI) molar ratio, initial pH and electrode material. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 353, 348-359	12.8	7
470	Combined Effects of Surface Charge and Pore Size on Co-Enhanced Permeability and Ion Selectivity through RGO-OCNT Nanofiltration Membranes. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 4827-4834	10.3	51
469	Cooperative light irradiation and in-situ produced H <sub>2</sub> O <sub>2</sub> for efficient tungsten and molybdenum deposition in microbial electrolysis cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 357, 156-167	4.7	11

468	Anti-fouling characteristic of carbon nanotubes hollow fiber membranes by filtering natural organic pollutants. <i>Korean Journal of Chemical Engineering</i> , <b>2018</b> , 35, 964-973	2.8	14
467	Enhanced adsorption of ionizable antibiotics on activated carbon fiber under electrochemical assistance in continuous-flow modes. <i>Water Research</i> , <b>2018</b> , 134, 162-169	12.5	28
466	Constructing BiVO <sub>4</sub> -Au@CdS photocatalyst with energetic charge-carrier-separation capacity derived from facet induction and Z-scheme bridge for degradation of organic pollutants. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 227, 258-265	21.8	80
465	Enhanced separation performance of carbon nanotube/polyvinyl alcohol composite membranes for emulsified oily wastewater treatment under electrical assistance. <i>Separation and Purification Technology</i> , <b>2018</b> , 197, 107-115	8.3	38
464	Structuring phase junction between tri-s-triazine and triazine crystalline C <sub>3</sub> N <sub>4</sub> for efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 227, 153-160	21.8	82
463	Facile Ammonia Synthesis from Electrocatalytic N <sub>2</sub> Reduction under Ambient Conditions on N-Doped Porous Carbon. <i>ACS Catalysis</i> , <b>2018</b> , 8, 1186-1191	13.1	392
462	Highly Permeable Thin-Film Composite Forward Osmosis Membrane Based on Carbon Nanotube Hollow Fiber Scaffold with Electrically Enhanced Fouling Resistance. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 1444-1452	10.3	40
461	Carbon nitride with electron storage property: Enhanced exciton dissociation for high-efficient photocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 236, 99-106	21.8	59
460	Removal of binary Cr(VI) and Cd(II) from the catholyte of MFCs and determining their fate in EAB using fluorescence probes. <i>Bioelectrochemistry</i> , <b>2018</b> , 122, 61-68	5.6	21
459	Enhancing nitrogen removal efficiency in a dyestuff wastewater treatment plant with the IFFAS process: the pilot-scale and full-scale studies. <i>Water Science and Technology</i> , <b>2018</b> , 77, 70-78	2.2	5
458	Roles of magnetite and granular activated carbon in improvement of anaerobic sludge digestion. <i>Bioresource Technology</i> , <b>2018</b> , 249, 666-672	11	115
457	Amphiphilic PA-induced three-dimensional graphene macrostructure with enhanced removal of heavy metal ions. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 512, 853-861	9.3	37
456	A multifunctional graphene-based nanofiltration membrane under photo-assistance for enhanced water treatment based on layer-by-layer sieving. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 224, 204-213	21.8	50
455	Dependency of migration and reduction of mixed Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> /Cu <sup>2+</sup> and Cd <sup>2+</sup> on electric field, ion exchange membrane and metal concentration in microbial fuel cells. <i>Separation and Purification Technology</i> , <b>2018</b> , 192, 78-87	8.3	24
454	Fluorine-doped carbon nanotubes as an efficient metal-free catalyst for destruction of organic pollutants in catalytic ozonation. <i>Chemosphere</i> , <b>2018</b> , 190, 135-143	8.4	48
453	Imaging and distribution of Cd(II) ions in electrotrophs and its response to current and electron transfer inhibitor in microbial electrolysis cells. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 244-254	8.5	16
452	Optical emission spectroscopy diagnosis of energetic Ar ions in synthesis of SiC polytypes by DC arc discharge plasma. <i>Nano Research</i> , <b>2018</b> , 11, 1470-1481	10	21
451	Photoelectrochemical aptasensor for sulfadimethoxine using g-CN quantum dots modified with reduced graphene oxide. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 345	5.8	30



450	Stable Superhydrophobic Ceramic-Based Carbon Nanotube Composite Desalination Membranes. <i>Nano Letters</i> , <b>2018</b> , 18, 5514-5521	11.5	102
449	Improving the co-digestion performance of waste activated sludge and wheat straw through ratio optimization and ferroferric oxide supplementation. <i>Bioresource Technology</i> , <b>2018</b> , 267, 591-598	11	26
448	Comparing the mechanisms of ZVI and FeO for promoting waste-activated sludge digestion. <i>Water Research</i> , <b>2018</b> , 144, 126-133	12.5	95
447	Catalytic Ozonation in Arrayed Zinc Oxide Nanotubes as Highly Efficient Mini-Column Catalyst Reactors (MCRs): Augmentation of Hydroxyl Radical Exposure. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 8701-8711	10.3	27
446	Enhanced heterogeneous Fenton-like activity by Cu-doped BiFeO <sub>3</sub> perovskite for degradation of organic pollutants. <i>Frontiers of Environmental Science and Engineering</i> , <b>2018</b> , 12, 1	5.8	16
445	Enhanced electro-Fenton performance by fluorine-doped porous carbon for removal of organic pollutants in wastewater. <i>Chemical Engineering Journal</i> , <b>2018</b> , 354, 606-615	14.7	58
444	Enhanced H <sub>2</sub> O <sub>2</sub> production by selective electrochemical reduction of O <sub>2</sub> on fluorine-doped hierarchically porous carbon. <i>Journal of Catalysis</i> , <b>2018</b> , 357, 118-126	7.3	152
443	Effective adsorption of sulfamethoxazole, bisphenol A and methyl orange on nanoporous carbon derived from metal-organic frameworks. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 63, 250-259	6.4	47
442	Accelerated start-up and microbial community structures of simultaneous nitrification and denitrification using novel suspended carriers. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 577-584	3.5	19
441	Direct growth of ultra-permeable molecularly thin porous graphene membranes for water treatment. <i>Environmental Science: Nano</i> , <b>2018</b> , 5, 3004-3010	7.1	3
440	Superpermeable nanoporous carbon-based catalytic membranes for electro-Fenton driven high-efficiency water treatment. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 23502-23512	13	8
439	Two-dimensional nanomaterial based sensors for heavy metal ions. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 478	5.8	37
438	Transformation of Nitrogen and Iron Species during Nitrogen Removal from Wastewater via Feamox by Adding Ferrihydrite. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 14394-14402	8.3	25
437	Fabrication of TiO <sub>x</sub> Bi photoanode and its energetic photoelectrochemical performance. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 12700-12706	2.1	2
436	Enhanced photocatalytic performance of a two-dimensional BiOIO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> heterostructured composite with a Z-scheme configuration. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 237, 947-956	21.8	66
435	Two-dimensional MoS <sub>2</sub> : A promising building block for biosensors. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 89, 56-71	11.8	161
434	Determination of Oxytetracycline by a Graphene-Gold Nanoparticle-Based Colorimetric Aptamer Sensor. <i>Analytical Letters</i> , <b>2017</b> , 50, 544-553	2.2	16
433	CO Electroreduction at Low Overpotential on Oxide-Derived Cu/Carbons Fabricated from Metal Organic Framework. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 5302-5311	9.5	166

432	Photochemical reactions between bromophenols and hydroxyl radical generated in aqueous solution: A laser flash photolysis study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 336, 63-68	4.7	10
431	An Electrochemical Sensor Based on Graphene-Polypyrrole Nanocomposite for the Specific Detection of Pb (II). <i>Nano</i> , <b>2017</b> , 12, 1750008	1.1	17
430	Poly(vinylidene fluoride) hollow-fiber membranes containing silver/graphene oxide dope with excellent filtration performance. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	15
429	High surface area mesoporous nanocast LaMO <sub>3</sub> (M = Mn, Fe) perovskites for efficient catalytic ozonation and an insight into probable catalytic mechanism. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 206, 692-703	21.8	136
428	Accelerated startup of moving bed biofilm process with novel electrophilic suspended biofilm carriers. <i>Chemical Engineering Journal</i> , <b>2017</b> , 315, 364-372	14.7	62
427	Enhanced activation of peroxymonosulfate by nitrogen doped porous carbon for effective removal of organic pollutants. <i>Carbon</i> , <b>2017</b> , 115, 730-739	10.4	234
426	Potentially direct interspecies electron transfer of methanogenesis for syntrophic metabolism under sulfate reducing conditions with stainless steel. <i>Bioresource Technology</i> , <b>2017</b> , 234, 303-309	11	63
425	Adding granular activated carbon into anaerobic sludge digestion to promote methane production and sludge decomposition. <i>Journal of Cleaner Production</i> , <b>2017</b> , 149, 1101-1108	10.3	180
424	Three-dimensional TiO <sub>2</sub> nanotube arrays combined with g-C <sub>3</sub> N <sub>4</sub> quantum dots for visible light-driven photocatalytic hydrogen production. <i>RSC Advances</i> , <b>2017</b> , 7, 13223-13227	3.7	19
423	Towards engineering application: Potential mechanism for enhancing anaerobic digestion of complex organic waste with different types of conductive materials. <i>Water Research</i> , <b>2017</b> , 115, 266-277	12.5	182
422	Superpermeable Atomic-Thin Graphene Membranes with High Selectivity. <i>ACS Nano</i> , <b>2017</b> , 11, 1920-1926	6.7	33
421	Fluorescence microscopy image-analysis (FMI) for the characterization of interphase HO <sub>2</sub> production originated by heterogeneous catalysis. <i>Chemical Communications</i> , <b>2017</b> , 53, 2575-2577	5.8	6
420	Carbon-nanotube-based sandwich-like hollow fiber membranes for expanded microcystin-LR removal applications. <i>Chemical Engineering Journal</i> , <b>2017</b> , 319, 212-218	14.7	17
419	Highly sensitive detection of Cr(VI) by reduced graphene oxide chemiresistor and 1,4-dithiothreitol functionalized Au nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 247, 265-272	8.5	24
418	Interface evolution in the platelet-like SiC@C and SiC@SiO <sub>2</sub> monocrystal nanocapsules. <i>Nano Research</i> , <b>2017</b> , 10, 2644-2656	10	23
417	Scaling-up of a zero valent iron packed anaerobic reactor for textile dye wastewater treatment: a potential technology for on-site upgrading and rebuilding of traditional anaerobic wastewater treatment plant. <i>Water Science and Technology</i> , <b>2017</b> , 76, 823-831	2.2	9
416	Is A/A/O process effective in toxicity removal? Case study with coking wastewater. <i>Ecotoxicology and Environmental Safety</i> , <b>2017</b> , 142, 363-368	7	7
415	Photoinduced formation of reactive oxygen species and electrons from metal oxide/bilica nanocomposite: An EPR spin-trapping study. <i>Applied Surface Science</i> , <b>2017</b> , 416, 281-287	6.7	28

414	Potentially shifting from interspecies hydrogen transfer to direct interspecies electron transfer for syntrophic metabolism to resist acidic impact with conductive carbon cloth. <i>Chemical Engineering Journal</i> , <b>2017</b> , 313, 10-18	14.7	160
413	Constructing a visible-light-driven photocatalytic membrane by g-CN quantum dots and TiO nanotube array for enhanced water treatment. <i>Scientific Reports</i> , <b>2017</b> , 7, 3128	4.9	32
412	PEGylated molybdenum dichalcogenide (PEG-MoS <sub>2</sub> ) nanosheets with enhanced peroxidase-like activity for the colorimetric detection of H <sub>2</sub> O <sub>2</sub> . <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 6700-6708	3.6	33
411	Evaluation of the detoxification efficiencies of coking wastewater treated by combined anaerobic-anoxic-oxic (AO) and advanced oxidation process. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 338, 186-193	12.8	45
410	A colorimetric aptasensor for sulfadimethoxine detection based on peroxidase-like activity of graphene/nickel@palladium hybrids. <i>Analytical Biochemistry</i> , <b>2017</b> , 525, 92-99	3.1	34
409	Ferroelectric-enhanced Z-schematic electron transfer in BiVO <sub>4</sub> -BiFeO <sub>3</sub> -CuInS <sub>2</sub> for efficient photocatalytic pollutant degradation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 209, 591-599	21.8	69
408	Start-up and bacterial community compositions of partial nitrification in moving bed biofilm reactor. <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 2563-2574	5.7	46
407	Acute toxicity reduction and toxicity identification in pigment-contaminated wastewater during anaerobic-anoxic-oxic (A/A/O) treatment process. <i>Chemosphere</i> , <b>2017</b> , 168, 1285-1292	8.4	8
406	Evaluations of biofilm thickness and dissolved oxygen on single stage anammox process in an up-flow biological aerated filter. <i>Biochemical Engineering Journal</i> , <b>2017</b> , 119, 20-26	4.2	27
405	Cathodic Cr(VI) reduction by electrochemically active bacteria sensed by fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 243, 303-310	8.5	24
404	Selective Electrochemical Reduction of Carbon Dioxide to Ethanol on a Boron- and Nitrogen-Co-doped Nanodiamond. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 15813-15817	3.6	36
403	Selective Electrochemical Reduction of Carbon Dioxide to Ethanol on a Boron- and Nitrogen-Co-doped Nanodiamond. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15607-15611	16.4	165
402	New Application of Ethanol-Type Fermentation: Stimulating Methanogenic Communities with Ethanol to Perform Direct Interspecies Electron Transfer. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 9441-9453	8.3	35
401	Preferable utilization of in-situ produced H <sub>2</sub> O <sub>2</sub> rather than externally added for efficient deposition of tungsten and molybdenum in microbial fuel cells. <i>Electrochimica Acta</i> , <b>2017</b> , 247, 880-890	6.7	18
400	Synthesis of Z-scheme Ag <sub>2</sub> CrO <sub>4</sub> /Ag/g-C <sub>3</sub> N <sub>4</sub> composite with enhanced visible-light photocatalytic activity for 2,4-dichlorophenol degradation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 219, 439-449	21.8	113
399	Hydrothermal fabrication of few-layer MoS <sub>2</sub> nanosheets within nanopores on TiO <sub>2</sub> derived from MIL-125(Ti) for efficient photocatalytic H <sub>2</sub> evolution. <i>Applied Surface Science</i> , <b>2017</b> , 426, 177-184	6.7	39
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397	Probing the interphase "HO zone" originated by carbon nanotube during catalytic ozonation. <i>Water Research</i> , <b>2017</b> , 122, 86-95	12.5	44

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394	FeO-AuNPs anchored 2D metal-organic framework nanosheets with DNA regulated switchable peroxidase-like activity. <i>Nanoscale</i> , <b>2017</b> , 9, 18699-18710	7.7	96
393	Enhanced Fenton-like catalysis by iron-based metal organic frameworks for degradation of organic pollutants. <i>Journal of Catalysis</i> , <b>2017</b> , 356, 125-132	7.3	163
392	Efficient W and Mo deposition and separation with simultaneous hydrogen production in stacked bioelectrochemical systems. <i>Chemical Engineering Journal</i> , <b>2017</b> , 327, 584-596	14.7	28
391	Covering Fe <sub>2</sub> O <sub>3</sub> protection layer on the surface of p-Si micropillar array for enhanced photoelectrochemical performance. <i>Frontiers of Environmental Science and Engineering</i> , <b>2017</b> , 11, 1	5.8	7
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389	Integration of membrane filtration and photoelectrocatalysis on g-C <sub>3</sub> N <sub>4</sub> /CNTs/Al <sub>2</sub> O <sub>3</sub> membrane with visible-light response for enhanced water treatment. <i>Journal of Membrane Science</i> , <b>2017</b> , 541, 153-161	8.6	70
388	Fabrication of the hierarchical structure photocathode by structuring the surface nanopores on Si nanowires standing on p-Si wafer for the effective photoelectrochemical reduction of Cr(VI) in the aqueous solution. <i>Separation and Purification Technology</i> , <b>2017</b> , 175, 454-459	8.3	5
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385	Synthesis and electrochemical activities of TiC/C core-shell nanocrystals. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 693, 500-509	5.7	19
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380	Evaluation on direct interspecies electron transfer in anaerobic sludge digestion of microbial electrolysis cell. <i>Bioresource Technology</i> , <b>2016</b> , 200, 235-44	11	124
379	Fabrication of pilot-scale photocatalytic disinfection device by installing TiO <sub>2</sub> coated helical support into UV annular reactor for strengthening sterilization. <i>Chemical Engineering Journal</i> , <b>2016</b> , 283, 1506-1513	14.7	30

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377	Synthesis of manganese incorporated hierarchical mesoporous silica nanosphere with fibrous morphology by facile one-pot approach for efficient catalytic ozonation. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 318, 308-318	12.8	36
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375	Communities stimulated with ethanol to perform direct interspecies electron transfer for syntrophic metabolism of propionate and butyrate. <i>Water Research</i> , <b>2016</b> , 102, 475-484	12.5	171
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373	Nutrient removal performance and microbial characteristics of a full-scale IFAS-EBPR process treating municipal wastewater. <i>Water Science and Technology</i> , <b>2016</b> , 73, 1261-8	2.2	20
372	Network optimization and performance evaluation of the water-use system in China's straw pulp and paper industry: a case study. <i>Clean Technologies and Environmental Policy</i> , <b>2016</b> , 18, 257-268	4.3	6
371	Dynamic adsorption of ciprofloxacin on carbon nanofibers: Quantitative measurement by in situ fluorescence. <i>Journal of Water Process Engineering</i> , <b>2016</b> , 9, e14-e20	6.7	46
370	Cooperative cathode electrode and in situ deposited copper for subsequent enhanced Cd(II) removal and hydrogen evolution in bioelectrochemical systems. <i>Bioresource Technology</i> , <b>2016</b> , 200, 565-571	7.1	52
369	Enhancement of sludge granulation in hydrolytic acidogenesis by denitrification. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 3313-20	5.7	10
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352	High desalination permeability, wetting and fouling resistance on superhydrophobic carbon nanotube hollow fiber membrane under self-powered electrochemical assistance. <i>Journal of Membrane Science</i> , <b>2016</b> , 514, 501-509	9.6	46
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332	Carbon nanotube hollow fiber membranes: High-throughput fabrication, structural control and electrochemically improved selectivity. <i>Journal of Membrane Science</i> , <b>2015</b> , 493, 97-105	9.6	30
331	Fabrication of quantum-sized CdS-coated TiO <sub>2</sub> nanotube array with efficient photoelectrochemical performance using modified successive ionic layer absorption and reaction (SILAR) method. <i>Science Bulletin</i> , <b>2015</b> , 60, 1281-1286	10.6	27
330	Complete separation of Cu(II), Co(II) and Li(I) using self-driven MFCs/MECs with stainless steel mesh cathodes under continuous flow conditions. <i>Separation and Purification Technology</i> , <b>2015</b> , 147, 114-124	8.3	21
329	Fe <sup>2+</sup> enhanced acetification of propionate and granulation of sludge in acidogenic reactor. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 6083-9	5.7	8
328	High-yield electrosynthesis of hydrogen peroxide from oxygen reduction by hierarchically porous carbon. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6837-41	16.4	287
327	Improved Photocatalytic Performance of Heterojunction by Controlling the Contact Facet: High Electron Transfer Capacity between TiO <sub>2</sub> and the {110} Facet of BiVO <sub>4</sub> Caused by Suitable Energy Band Alignment. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3074-3080	15.6	139
326	Constructing metal-free polyimide/g-C <sub>3</sub> N <sub>4</sub> with high photocatalytic activity under visible light irradiation. <i>RSC Advances</i> , <b>2015</b> , 5, 83225-83231	3.7	21
325	Efficient Mineralization of Perfluorooctanoate by Electro-Fenton with H <sub>2</sub> O <sub>2</sub> Electro-generated on Hierarchically Porous Carbon. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13528-33	10.3	132

324	Efficient Electrochemical Reduction of Carbon Dioxide to Acetate on Nitrogen-Doped Nanodiamond. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 11631-6	16.4	339
323	Novel phosphorus doped carbon nitride modified TiO <sub>2</sub> nanotube arrays with improved photoelectrochemical performance. <i>Nanoscale</i> , <b>2015</b> , 7, 16282-9	7.7	76
322	Enhancement of anaerobic acidogenesis by integrating an electrochemical system into an acidogenic reactor: effect of hydraulic retention times (HRT) and role of bacteria and acidophilic methanogenic Archaea. <i>Bioresource Technology</i> , <b>2015</b> , 179, 43-49	11	35
321	Enhanced production of methane from waste activated sludge by the combination of high-solid anaerobic digestion and microbial electrolysis cell with iron-graphite electrode. <i>Chemical Engineering Journal</i> , <b>2015</b> , 259, 787-794	14.7	153
320	Bio-electrochemical enhancement of anaerobic reduction of nitrobenzene and its effects on microbial community. <i>Biochemical Engineering Journal</i> , <b>2015</b> , 94, 85-91	4.2	30
319	Assessment of five different cathode materials for Co(II) reduction with simultaneous hydrogen evolution in microbial electrolysis cells. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 184-196	6.7	36
318	Impact of dissolved organic matter on the photolysis of the ionizable antibiotic norfloxacin. <i>Journal of Environmental Sciences</i> , <b>2015</b> , 27, 115-23	6.4	35
317	A new clean approach for production of cobalt dihydroxide from aqueous Co(II) using oxygen-reducing biocathode microbial fuel cells. <i>Journal of Cleaner Production</i> , <b>2015</b> , 86, 441-446	10.3	52
316	Anaerobic biodecolorization of AO7 by a newly isolated Fe(III)-reducing bacterium <i>Sphingomonas</i> strain DJ. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 158-165	3.5	13
315	Biological uptake and depuration of sulfadiazine and sulfamethoxazole in common carp ( <i>Cyprinus carpio</i> ). <i>Chemosphere</i> , <b>2015</b> , 120, 592-7	8.4	41
314	Electrochemiluminescence immunosensor for highly sensitive detection of 8-hydroxy-2'-deoxyguanosine based on carbon quantum dot coated Au/SiO <sub>2</sub> core-shell nanoparticles. <i>Talanta</i> , <b>2015</b> , 131, 379-85	6.2	36
313	Dependency of simultaneous Cr(VI), Cu(II) and Cd(II) reduction on the cathodes of microbial electrolysis cells self-driven by microbial fuel cells. <i>Journal of Power Sources</i> , <b>2015</b> , 273, 1103-1113	8.9	67
312	Catalytic ozonation of reactive red X-3B in aqueous solution under low pressure: decolorization and OH <sup>•</sup> generation. <i>Frontiers of Environmental Science and Engineering</i> , <b>2015</b> , 9, 591-595	5.8	3
311	Enhancing nitrogen and phosphorus removal in the BUCT-IFAS process by bypass flow strategy. <i>Water Science and Technology</i> , <b>2015</b> , 72, 528-34	2.2	6
310	Three-Dimensional Porous HxTiS <sub>2</sub> Nanosheet-Polyaniline Nanocomposite Electrodes for Directly Detecting Trace Cu(II) Ions. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 5605-13	7.8	35
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308	Monohydroxylated Polybrominated Diphenyl Ethers (OH-PBDEs) and Dihydroxylated Polybrominated Biphenyls (Di-OH-PBBs): Novel Photoproducts of 2,6-Dibromophenol. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 14120-8	10.3	18
307	Fluorescent biosensor for sensitive analysis of oxytetracycline based on an indirectly labelled long-chain aptamer. <i>RSC Advances</i> , <b>2015</b> , 5, 58895-58901	3.7	28



306	Formation mechanism and optical characterization of polymorphic silicon nanostructures by DC arc-discharge. <i>RSC Advances</i> , <b>2015</b> , 5, 68714-68721	3.7	20
305	Visible assay for glycosylase based on intrinsic catalytic ability of graphene/gold nanoparticles hybrids. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 68, 7-13	11.8	32
304	Effects of an electric field and iron electrode on anaerobic denitrification at low C/N ratios. <i>Chemical Engineering Journal</i> , <b>2015</b> , 266, 241-248	14.7	33
303	Effects of developmental perfluorooctane sulfonate exposure on spatial learning and memory ability of rats and mechanism associated with synaptic plasticity. <i>Food and Chemical Toxicology</i> , <b>2015</b> , 76, 70-6	4.7	31
302	Enhancement of sludge granulation in anaerobic acetogenesis by addition of nitrate and microbial community analysis. <i>Biochemical Engineering Journal</i> , <b>2015</b> , 95, 104-111	4.2	10
301	Comparison of Co(II) reduction on three different cathodes of microbial electrolysis cells driven by Cu(II)-reduced microbial fuel cells under various cathode volume conditions. <i>Chemical Engineering Journal</i> , <b>2015</b> , 266, 121-132	14.7	27
300	A pilot-scale coupling catalytic ozonation-membrane filtration system for recirculating aquaculture wastewater treatment. <i>Desalination</i> , <b>2015</b> , 363, 37-43	10.3	29
299	Enhanced permeability, selectivity, and antifouling ability of CNTs/Al <sub>2</sub> O <sub>3</sub> membrane under electrochemical assistance. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 2293-300	10.3	86
298	An electrochemiluminescence sensing for DNA glycosylase assay with enhanced host-guest recognition technique based on cyclodextrin functionalized gold/silica cell-shell nanoparticles. <i>Electrochimica Acta</i> , <b>2015</b> , 157, 54-61	6.7	10
297	Electrochemical DNA sensor for specific detection of picomolar Hg(II) based on exonuclease III-assisted recycling signal amplification. <i>Analyst</i> , <b>2015</b> , 140, 2029-36	5	25
296	Efficient and durable hydrogen evolution electrocatalyst based on nonmetallic nitrogen doped hexagonal carbon. <i>Scientific Reports</i> , <b>2014</b> , 4, 6843	4.9	67
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294	Bioaccumulation and elimination kinetics of hydroxylated polybrominated diphenyl ethers (2'-OH-BDE68 and 4-OH-BDE90) and their distribution pattern in common carp ( <i>Cyprinus carpio</i> ). <i>Journal of Hazardous Materials</i> , <b>2014</b> , 274, 16-23	12.8	11
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291	Fabrication of graphene wrapped ZnIn <sub>2</sub> S <sub>4</sub> microspheres heterojunction with enhanced interfacial contact and its improved photocatalytic performance. <i>Dalton Transactions</i> , <b>2014</b> , 43, 2888-94	4.3	43
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208	g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> hybrid photocatalyst with wide absorption wavelength range and effective photogenerated charge separation. <i>Separation and Purification Technology</i> , <b>2012</b> , 99, 50-54	8.3	167
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199	Mineralization of pentachlorophenol with enhanced degradation and power generation from air cathode microbial fuel cells. <i>Biotechnology and Bioengineering</i> , <b>2012</b> , 109, 2211-21	4.9	41

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191	Controllable oxidative DNA cleavage-dependent regulation of graphene/DNA interaction. <i>Chemical Communications</i> , <b>2011</b> , 47, 4084-6	5.8	47
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181	Catalytic oxidation of toluene over manganese oxide octahedral molecular sieves (OMS-2) synthesized by different methods. <i>Chemical Engineering Journal</i> , <b>2011</b> , 178, 191-196	14.7	57

180	Formation of 2'-hydroxy-2,3',4,5'-tetrabromodipheyl ether (2'-HO-BDE68) from 2,4-dibromophenol in aqueous solution under simulated sunlight irradiation. <i>Chemosphere</i> , <b>2011</b> , 84, 512-8	8.4	26
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