

# Piet Lens

## 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.

624  
papers

21,287  
citations

70  
h-index

112  
g-index

655  
ext. papers

24,743  
ext. citations

6.4  
avg, IF

7.42  
L-index

#	Paper	IF	Citations
624	Biochar Produced from Organic Waste Digestate and Its Potential Utilization for Soil Remediation: An Overview. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , <b>2022</b> , 263-292	0.5	0
623	Land-use change and valorisation of feedstock side-streams determine the climate mitigation potential of bioplastics. <i>Resources, Conservation and Recycling</i> , <b>2022</b> , 180, 106185	11.9	2
622	Rapid start-up of photo-granule process in a photo-sequencing batch reactor under low aeration conditions: Effect of inoculum AGS size.. <i>Science of the Total Environment</i> , <b>2022</b> , 153204	10.2	2
621	Syngas Fermentation for Bioenergy Production: Advances in Bioreactor Systems. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , <b>2022</b> , 325-358	0.5	
620	Pretreatment of Lignocellulosic Materials to Enhance their Methane Potential. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , <b>2022</b> , 85-120	0.5	1
619	Adsorptive removal of gallium from aqueous solution onto biogenic elemental tellurium nanoparticles. <i>Separation and Purification Technology</i> , <b>2022</b> , 286, 120462	8.3	1
618	Microbial community assembly and dynamics in Granular, Fixed-Biofilm and planktonic microbiomes valorizing Long-Chain fatty acids at 20°C. <i>Bioresource Technology</i> , <b>2022</b> , 343, 126098	11	1
617	Novel electro-ion substitution strategy in electrodialysis for ammonium recovery from digested sludge centrate in coastal regions. <i>Journal of Membrane Science</i> , <b>2022</b> , 642, 120001	9.6	1
616	Selective butanol production from carbon monoxide by an enriched anaerobic culture. <i>Science of the Total Environment</i> , <b>2022</b> , 806, 150579	10.2	4
615	Biofilm carrier type affects biogenic sulfur-driven denitrification performance and microbial community dynamics in moving-bed biofilm reactors. <i>Chemosphere</i> , <b>2022</b> , 287, 131975	8.4	3
614	Effect of Endogenous and Exogenous Butyric Acid on Butanol Production From CO by Enriched .. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 828316	5.8	2
613	Polyhydroxyalkanoate bio-production and its rise as biomaterial of the future.. <i>Journal of Biotechnology</i> , <b>2022</b> , 348, 10-25	3.7	3
612	Gauging sediment microbial fuel cells using open-circuit auxiliary electrodes. <i>Journal of Power Sources</i> , <b>2022</b> , 527, 231216	8.9	1
611	Role of rotating speed on the stability of a self-sustaining algal-bacterial photo-granules process.. <i>Bioresource Technology</i> , <b>2022</b> , 127134	11	0
610	Screening for suitable mixed microbial consortia from anaerobic sludge and animal dungs for biodegradation of brewery spent grain. <i>Biomass and Bioenergy</i> , <b>2022</b> , 159, 106396	5.3	0
609	A novel strategy for rapid development of a self-sustaining symbiotic algal-bacterial granular sludge: Applying algal-mycelial pellets as nuclei.. <i>Water Research</i> , <b>2022</b> , 214, 118210	12.5	5
608	Enhanced removal of hydrocarbons BTX by light-driven <i>Aspergillus niger</i> ZnS nanobiohybrids.. <i>Enzyme and Microbial Technology</i> , <b>2022</b> , 157, 110020	3.8	0

607	Light driven <i>Aspergillus niger</i> -ZnS nanobiohybrids for degradation of methyl orange.. <i>Chemosphere</i> , <b>2022</b> , 134162	8.4	1
606	Enhanced solventogenesis in syngas bioconversion: Role of process parameters and thermodynamics.. <i>Chemosphere</i> , <b>2022</b> , 134425	8.4	1
605	Anaerobic co-digestion of dissolved air floatation slurry and selenium rich wastewater for simultaneous methane production and selenium bioremediation. <i>International Biodeterioration and Biodegradation</i> , <b>2022</b> , 172, 105425	4.8	0
604	Unravelling the biodegradation performance and mechanisms of acid orange 7 by aerobic granular sludge at different salinity levels. <i>Bioresource Technology</i> , <b>2022</b> , 357, 127347	11	0
603	Volatile fatty acid production from Kraft mill foul condensate in upflow anaerobic sludge blanket reactors. <i>Environmental Technology (United Kingdom)</i> , <b>2021</b> , 42, 2447-2460	2.6	3
602	Biological biogas purification: Recent developments, challenges and future prospects. <i>Journal of Environmental Management</i> , <b>2021</b> , 304, 114198	7.9	3
601	A Distinct, Flocculent, Acidogenic Microbial Community Accompanies Methanogenic Granules in Anaerobic Digesters. <i>Microbiology Spectrum</i> , <b>2021</b> , e0078421	8.9	0
600	What is the energy balance of electrofuels produced through power-to-fuel integration with biogas facilities?. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 111886	16.2	1
599	A Review of Microalgal Biofilm Technologies: Definition, Applications, Settings and Analysis. <i>Frontiers in Chemical Engineering</i> , <b>2021</b> , 3,	1	5
598	Bioethanol Production From H/CO by Solventogenesis Using Anaerobic Granular Sludge: Effect of Process Parameters. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 647370	5.7	1
597	Effect of voltage intensity on the nutrient removal performance and microbial community in the iron electrolysis-integrated aerobic granular sludge system. <i>Environmental Pollution</i> , <b>2021</b> , 274, 116604	9.3	4
596	Methanogenic granule growth and development is a continual process characterized by distinct morphological features. <i>Journal of Environmental Management</i> , <b>2021</b> , 286, 112229	7.9	2
595	Evolution of the sludge mineral composition enhances operation performance of the aerobic granular sludge reactor coupled with iron electrolysis. <i>Journal of Cleaner Production</i> , <b>2021</b> , 295, 126394	10.3	2
594	Environmental performance comparison of bioplastics and petrochemical plastics: A review of life cycle assessment (LCA) methodological decisions. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 168, 105451	11.9	58
593	Effect of methanol-organosolv pretreatment on anaerobic digestion of lignocellulosic materials. <i>Renewable Energy</i> , <b>2021</b> , 169, 1000-1012	8.1	18
592	Anaerobic digestion of dairy wastewater by side-stream membrane reactors: Comparison of feeding regime and its impact on sludge filterability. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 22, 101482	7	3
591	Continuous Volatile Fatty Acid Production From Acid Brewery Spent Grain Leachate in Expanded Granular Sludge Bed Reactors. <i>Frontiers in Sustainable Food Systems</i> , <b>2021</b> , 5,	4.8	6
590	Enrichment of Autotrophic Denitrifiers From Anaerobic Sludge Using Sulfurous Electron Donors. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 678323	5.7	5

589	Granular activated carbon supplementation enhances anaerobic digestion of lipid-rich wastewaters. <i>Renewable Energy</i> , <b>2021</b> , 171, 958-970	8.1	11
588	Methanotrophic denitrification in wastewater treatment: microbial aspects and engineering strategies. <i>Critical Reviews in Biotechnology</i> , <b>2021</b> , 1-17	9.4	2
587	Evaluation of selenium-enriched microalgae produced on domestic wastewater as biostimulant and biofertilizer for growth of selenium-enriched crops. <i>Journal of Applied Phycology</i> , <b>2021</b> , 33, 3027-3039	3.2	3
586	Kinetic modeling of hydrogen and L-lactic acid production by <i>Thermotoga neapolitana</i> via capnophilic lactic fermentation of starch. <i>Bioresource Technology</i> , <b>2021</b> , 332, 125127	11	4
585	Two step process for volatile fatty acid production from brewery spent grain: Hydrolysis and direct acidogenic fermentation using anaerobic granular sludge. <i>Process Biochemistry</i> , <b>2021</b> , 100, 272-283	4.8	13
584	Silicone membrane contactor for selective volatile fatty acid and alcohol separation. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 148, 125-136	5.5	3
583	Carboxylic acids production and electrosynthetic microbial community evolution under different CO feeding regimens. <i>Bioelectrochemistry</i> , <b>2021</b> , 137, 107686	5.6	10
582	Chromium mobility in ultramafic areas affected by mining activities in Barro Alto massif, Brazil: An isotopic study. <i>Chemical Geology</i> , <b>2021</b> , 561, 120000	4.2	5
581	Cadmium Selenide Formation Influences the Production and Characteristics of Extracellular Polymeric Substances of Anaerobic Granular Sludge. <i>Applied Biochemistry and Biotechnology</i> , <b>2021</b> , 193, 965-980	3.2	1
580	Homoacetogenesis and solventogenesis from H <sub>2</sub> /CO by granular sludge at 25, 37 and 55°C. <i>Chemosphere</i> , <b>2021</b> , 265, 128649	8.4	9
579	In situ electrochemical oxidation in electro dialysis for antibiotics removal during nutrient recovery from pig manure digestate. <i>Chemical Engineering Journal</i> , <b>2021</b> , 413, 127485	14.7	5
578	Biohythane production from food waste in a two-stage process: assessing the energy recovery potential. <i>Environmental Technology (United Kingdom)</i> , <b>2021</b> , 1-7	2.6	6
577	Technologies for removal of hydrogen sulfide (H <sub>2</sub> S) from biogas <b>2021</b> , 295-320		2
576	Magnetic properties of biogenic selenium nanomaterials. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 40264-40274	5.1	2
575	Addition of granular activated carbon during anaerobic oleate degradation overcomes inhibition and promotes methanogenic activity. <i>Environmental Science: Water Research and Technology</i> , <b>2021</b> , 7, 762-774	4.2	2
574	Anaerobic digestion of dissolved air floatation slurries: Effect of substrate concentration and pH. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 21, 101352	7	5
573	Dynamic modeling of anaerobic methane oxidation coupled to sulfate reduction: role of elemental sulfur as intermediate. <i>Bioprocess and Biosystems Engineering</i> , <b>2021</b> , 44, 855-874	3.7	2
572	RESB: 20 years of environmental science and bio/technology for sustainable development. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2021</b> , 20, 1-3	13.9	1

571	Production of selenium-enriched microalgae as potential feed supplement in high-rate algae ponds treating domestic wastewater. <i>Bioresource Technology</i> , <b>2021</b> , 333, 125239	11	7
570	Metal Extraction and Recovery from Mobile Phone PCBs by a Combination of Bioleaching and Precipitation Processes. <i>Minerals (Basel, Switzerland)</i> , <b>2021</b> , 11, 1004	2.4	1
569	Valorization of selenium-enriched sludge and duckweed generated from wastewater as micronutrient biofertilizer. <i>Chemosphere</i> , <b>2021</b> , 281, 130767	8.4	1
568	Environmental performance of bioplastic packaging on fresh food produce: A consequential life cycle assessment. <i>Journal of Cleaner Production</i> , <b>2021</b> , 317, 128377	10.3	8
567	Simultaneous removal of lead and selenium through biomineralization as lead selenide by anaerobic granular sludge. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 420, 126663	12.8	1
566	Enhanced Ethanol Production From Carbon Monoxide by Enriched Bacteria. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 754713	5.7	1
565	Sulfidogenesis establishment under increasing metal and nutrient concentrations: An effective approach for biotreating sulfate-rich wastewaters using an innovative structured-bed reactor (AnSTBR). <i>Bioresource Technology Reports</i> , <b>2020</b> , 11, 100458	4.1	4
564	Biological Removal of Selenate and Selenite from Wastewater: Options for Selenium Recovery as Nanoparticles. <i>Current Pollution Reports</i> , <b>2020</b> , 6, 230-249	7.6	13
563	OpenTCC: An open source low-cost temperature-control chamber.. <i>HardwareX</i> , <b>2020</b> , 7, e00099	2.7	9
562	Recycling of European plastic is a pathway for plastic debris in the ocean. <i>Environment International</i> , <b>2020</b> , 142, 105893	12.9	34
561	Effect of tungsten and selenium on C gas bioconversion by an enriched anaerobic sludge and microbial community analysis. <i>Chemosphere</i> , <b>2020</b> , 250, 126105	8.4	8
560	Effect of selenate and thiosulfate on anaerobic methanol degradation using activated sludge. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 29804-29811	5.1	
559	Production of selenium- and zinc-enriched Lemna and Azolla as potential micronutrient-enriched bioproducts. <i>Water Research</i> , <b>2020</b> , 172, 115522	12.5	5
558	Draft Genome Sequence and Annotation of <i>Paracoccus versutus</i> MAL 1HM19, a Nitrate-Reducing, Sulfide-Oxidizing Bacterium. <i>Microbiology Resource Announcements</i> , <b>2020</b> , 9,	1.3	2
557	Septage composition and pollution fluxes from cesspits in Palestine. <i>Journal of Water Sanitation and Hygiene for Development</i> , <b>2020</b> , 10, 905-915	1.5	1
556	CO <sub>2</sub> Biofixation by <i>Chlamydomonas reinhardtii</i> Using Different CO <sub>2</sub> Dosing Strategies. <i>Advances in Science, Technology and Innovation</i> , <b>2020</b> , 321-324	0.3	2
555	Cathodic selenium recovery in bioelectrochemical system: Regulatory influence on anodic electrogenic activity. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 399, 122843	12.8	11
554	Resilient performance of an anoxic biotrickling filter for hydrogen sulphide removal from a biogas mimic: Steady, transient state and neural network evaluation. <i>Journal of Cleaner Production</i> , <b>2020</b> , 249, 119351	10.3	12

553	Microbial electrochemical technologies: Electronic circuitry and characterization tools. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 150, 111884	11.8	24
552	Microalgal-bacterial consortia: From interspecies interactions to biotechnological applications. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 118, 109563	16.2	92
551	The dairy biorefinery: Integrating treatment processes for cheese whey valorisation. <i>Journal of Environmental Management</i> , <b>2020</b> , 276, 111240	7.9	36
550	Bio-oil production from oleaginous microorganisms using hydrothermal liquefaction: A biorefinery approach. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2020</b> , 1-39	11.1	9
549	Pre-treatment and temperature effects on the use of slow release electron donor for biological sulfate reduction. <i>Journal of Environmental Management</i> , <b>2020</b> , 275, 111216	7.9	3
548	Algae based microbial fuel cells for wastewater treatment and recovery of value-added products. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 132, 110041	16.2	53
547	Organic waste biorefineries: Looking towards implementation. <i>Waste Management</i> , <b>2020</b> , 114, 274-286	8.6	39
546	Photocatalytic degradation of Congo Red by zinc sulfide quantum dots produced by anaerobic granular sludge. <i>Environmental Technology (United Kingdom)</i> , <b>2020</b> , 1-10	2.6	6
545	Long Chain Fatty Acid Degradation Coupled to Biological Sulfidogenesis: A Prospect for Enhanced Metal Recovery. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 550253	5.8	4
544	Enhanced Methanization of Long-Chain Fatty Acid Wastewater at 20°C in the Novel Dynamic Sludge Chamber Fixed Film Bioreactor. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,	3.8	2
543	Fermentative hydrogen production from cheese whey with in-line, concentration gradient-driven butyric acid extraction. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 24453-24466	6.7	19
542	Selenate and selenite uptake, accumulation and toxicity in <i>Lemna minuta</i> . <i>Water Science and Technology</i> , <b>2020</b> , 81, 1852-1862	2.2	3
541	Early colonization stages of fabric carriers by two <i>Chlorella</i> strains. <i>Journal of Applied Phycology</i> , <b>2020</b> , 32, 3631-3644	3.2	1
540	Biological Sulfate Reduction Using Gaseous Substrates To Treat Acid Mine Drainage. <i>Current Pollution Reports</i> , <b>2020</b> , 6, 328-344	7.6	4
539	Propionate Production by Bioelectrochemically-Assisted Lactate Fermentation and Simultaneous CO Recycling. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 599438	5.7	0
538	Volatile fatty acid adsorption on anion exchange resins: kinetics and selective recovery of acetic acid. <i>Separation Science and Technology</i> , <b>2020</b> , 55, 1449-1461	2.5	12
537	A sustainable strategy for effective regulation of aerobic granulation: Augmentation of the signaling molecule content by cultivating AHL-producing strains. <i>Water Research</i> , <b>2020</b> , 169, 115193	12.5	33
536	Performance of AnMBR in Treatment of Post-consumer Food Waste: Effect of Hydraulic Retention Time and Organic Loading Rate on Biogas Production and Membrane Fouling. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 594936	5.8	2

535	A Preliminary Study of the Effect of Bioavailable Fe and Co on the Anaerobic Digestion of Rice Straw. <i>Energies</i> , <b>2019</b> , 12, 577	3.1	11
534	Start-up of a nutrient removal system using <i>Scenedesmus vacuolatus</i> and <i>Chlorella vulgaris</i> biofilms. <i>Bioresources and Bioprocessing</i> , <b>2019</b> , 6,	5.2	15
533	High rate continuous biohydrogen production by hyperthermophilic <i>Thermotoga neapolitana</i> . <i>Bioresource Technology</i> , <b>2019</b> , 293, 122033	11	4
532	Power production and microbial community composition in thermophilic acetate-fed up-flow and flow-through microbial fuel cells. <i>Bioresource Technology</i> , <b>2019</b> , 294, 122115	11	15
531	Electron donors for autotrophic denitrification. <i>Chemical Engineering Journal</i> , <b>2019</b> , 362, 922-937	14.7	160
530	Transient-state operation of an anoxic biotrickling filter for HS removal. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 377, 42-51	12.8	25
529	Investigating the performance of internet of things based anaerobic digestion of food waste. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 127, 277-287	5.5	34
528	Long-term performance evaluation of an anoxic sulfur oxidizing moving bed biofilm reactor under nitrate limited conditions. <i>Environmental Science: Water Research and Technology</i> , <b>2019</b> , 5, 1072-1081	4.2	10
527	Acetotrophic Activity Facilitates Methanogenesis from LCFA at Low Temperatures: Screening from Mesophilic Inocula. <i>Archaea</i> , <b>2019</b> , 2019, 1751783	2	9
526	Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell. <i>Chemical Engineering Journal</i> , <b>2019</b> , 372, 141-150	14.7	22
525	Influence of recirculation over COD and N-NH removals from landfill leachate by horizontal flow constructed treatment wetland. <i>International Journal of Phytoremediation</i> , <b>2019</b> , 21, 998-1004	3.9	12
524	Simultaneous synthesis of lactic acid and hydrogen from sugars via capnophilic lactic fermentation by <i>Thermotoga neapolitana</i> cf <i>capnolactica</i> . <i>Biomass and Bioenergy</i> , <b>2019</b> , 125, 17-22	5.3	12
523	Biorefineries: Industrial Innovation and Tendencies <b>2019</b> , 3-35		2
522	Selective enrichment of biocatalysts for bioelectrochemical systems: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 109, 10-23	16.2	49
521	Microbial transformation of Se oxyanions in cultures of <i>Delftia lacustris</i> grown under aerobic conditions. <i>Journal of Microbiology</i> , <b>2019</b> , 57, 362-371	3	5
520	Zeolite Ion Exchange to Facilitate Anaerobic Membrane Bioreactor Wastewater Nitrogen Recovery and Reuse for Lettuce Fertigation in Vertical Hydroponic Systems. <i>Environmental Engineering Science</i> , <b>2019</b> , 36, 690-698	2	8
519	Investigation of architecture development and phosphate distribution in <i>Chlorella</i> biofilm by complementary microscopy techniques. <i>FEMS Microbiology Ecology</i> , <b>2019</b> , 95,	4.3	6
518	Ammonium removal mechanisms in a microalgal-bacterial sequencing-batch photobioreactor at different solids retention times. <i>Algal Research</i> , <b>2019</b> , 39, 101468	5	21

517	Removal of selenate and cadmium by anaerobic granular sludge: EPS characterization and microbial community analysis. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 126, 150-159	5.5	12
516	Pressure Selects Dominant Anaerobic Methanotrophic Phylotype and Sulfate Reducing Bacteria in Coastal Marine Lake Grevelingen Sediment. <i>Frontiers in Environmental Science</i> , <b>2019</b> , 6,	4.8	14
515	In situ and ex situ bioremediation of seleniferous soils from northwestern India. <i>Journal of Soils and Sediments</i> , <b>2019</b> , 19, 762-773	3.4	15
514	Anaerobic treatment of LCFA-containing synthetic dairy wastewater at 20 °C: Process performance and microbial community dynamics. <i>Science of the Total Environment</i> , <b>2019</b> , 691, 960-968	10.2	16
513	Reduction of selenite to elemental Se(0) with simultaneous degradation of phenol by co-cultures of <i>Phanerochaete chrysosporium</i> and <i>Delftia lacustris</i> . <i>Journal of Microbiology</i> , <b>2019</b> , 57, 738-747	3	4
512	Physiology and Distribution of Archaeal Methanotrophs That Couple Anaerobic Oxidation of Methane with Sulfate Reduction. <i>Microbiology and Molecular Biology Reviews</i> , <b>2019</b> , 83,	13.2	27
511	Bacterial community analysis of sulfate-reducing granular sludge exposed to high concentrations of uranium <b>2019</b> , 68, 645-654		3
510	Adsorptive recovery of alcohols from a model syngas fermentation broth. <i>Fuel</i> , <b>2019</b> , 254, 115590	7.1	5
509	H <sub>2</sub> -rich biogas recirculation prevents hydrogen supersaturation and enhances hydrogen production by <i>Thermotoga neapolitana</i> cf. <i>capnolactica</i> . <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 19698-19708	6.7	8
508	Anaerobic methane oxidation coupled to sulfate reduction in a biotrickling filter: Reactor performance and microbial community analysis. <i>Chemosphere</i> , <b>2019</b> , 236, 124290	8.4	8
507	Adsorptive removal of alcohols from aqueous solutions by N-tertiary-butylacrylamide (NtBA) and acrylic acid co-polymer gel. <i>Materials Today Communications</i> , <b>2019</b> , 21, 100653	2.5	1
506	Selenium Remediation Using Granular and Biofilm Systems <b>2019</b> , 103-127		1
505	Exploration of Se-rich bioproducts generated from (waste)water as fertilizers <b>2019</b> , 103-104		
504	Role of Extracellular Polymeric Substances (EPS) in Cell Surface Hydrophobicity <b>2019</b> , 128-153		
503	Bioreduction of selenate in an anaerobic biotrickling filter using methanol as electron donor. <i>Chemosphere</i> , <b>2019</b> , 225, 406-413	8.4	15
502	Influence of liquid-phase hydrogen on dark fermentation by <i>Thermotoga neapolitana</i> . <i>Renewable Energy</i> , <b>2019</b> , 140, 354-360	8.1	7
501	Nutrient removal efficiency of green algal strains at high phosphate concentrations. <i>Water Science and Technology</i> , <b>2019</b> , 80, 1832-1843	2.2	6
500	HS removal and microbial community composition in an anoxic biotrickling filter under autotrophic and mixotrophic conditions. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 367, 397-406	12.8	44

499	Assessing arsenic redox state evolution in solution and solid phase during As(III) sorption onto chemically-treated sewage sludge digestate biochars. <i>Bioresource Technology</i> , <b>2019</b> , 275, 232-238	11	21
498	Effect of feed glucose and acetic acid on continuous biohydrogen production by <i>Thermotoga neapolitana</i> . <i>Bioresource Technology</i> , <b>2019</b> , 273, 416-424	11	11
497	Effect of light intensity on the characteristics of algal-bacterial granular sludge and the role of N-acyl-homoserine lactone in the granulation. <i>Science of the Total Environment</i> , <b>2019</b> , 659, 372-383	10.2	41
496	Effect of ammonium, electron donor and sulphate transient feeding conditions on sulphidogenesis in sequencing batch bioreactors. <i>Bioresource Technology</i> , <b>2019</b> , 276, 288-299	11	
495	Simultaneous removal of sulfate and selenate from wastewater by process integration of an ion exchange column and upflow anaerobic sludge blanket bioreactor. <i>Separation Science and Technology</i> , <b>2019</b> , 54, 1387-1399	2.5	9
494	Removal and Recovery of Metals and Nutrients From Wastewater Using Bioelectrochemical Systems <b>2019</b> , 693-720		5
493	Enrichment of a solventogenic anaerobic sludge converting carbon monoxide and syngas into acids and alcohols. <i>Bioresource Technology</i> , <b>2019</b> , 272, 130-136	11	27
492	Continuous biological removal of selenate in the presence of cadmium and zinc in UASB reactors at psychrophilic and mesophilic conditions. <i>Biochemical Engineering Journal</i> , <b>2019</b> , 141, 102-111	4.2	13
491	Enrichment of Anaerobic Methanotrophs in Biotrickling Filters Using Different Sulfur Compounds as Electron Acceptor. <i>Environmental Engineering Science</i> , <b>2019</b> , 36, 431-443	2	2
490	Comparison of sulphide and nitrate removal from synthetic wastewater by pure and mixed cultures of nitrate-reducing, sulphide-oxidizing bacteria. <i>Bioresource Technology</i> , <b>2019</b> , 272, 40-47	11	28
489	Lactic acid recovery from a model of <i>Thermotoga neapolitana</i> fermentation broth using ion exchange resins in batch and fixed-bed reactors. <i>Separation Science and Technology</i> , <b>2019</b> , 54, 1008-1025	2.5	15
488	Fluoride removal from groundwater using chemically modified rice husk and corn cob activated carbon. <i>Environmental Technology (United Kingdom)</i> , <b>2019</b> , 40, 2913-2927	2.6	17
487	Elemental sulfur-based autotrophic denitrification and denitritation: microbially catalyzed sulfur hydrolysis and nitrogen conversions. <i>Journal of Environmental Management</i> , <b>2018</b> , 211, 313-322	7.9	48
486	Assessing chromium mobility in natural surface waters: Colloidal contribution to the isotopically exchangeable pool of chromium (EwCr value). <i>Applied Geochemistry</i> , <b>2018</b> , 92, 19-29	3.5	3
485	Effect of N/S ratio on anoxic thiosulfate oxidation in a fluidized bed reactor: Experimental and artificial neural network model analysis. <i>Process Biochemistry</i> , <b>2018</b> , 68, 171-181	4.8	25
484	Optimization of Petroleum Refinery Wastewater Treatment by Vertical Flow Constructed Wetlands Under Tropical Conditions: Plant Species Selection and Polishing by a Horizontal Flow Constructed Wetland. <i>Water, Air, and Soil Pollution</i> , <b>2018</b> , 229, 1	2.6	9
483	Performance evaluation of duplex constructed wetlands for the treatment of diesel contaminated wastewater. <i>Chemosphere</i> , <b>2018</b> , 205, 166-177	8.4	30
482	Enrichment of ANME-2 dominated anaerobic methanotrophy from cold seep sediment in an external ultrafiltration membrane bioreactor. <i>Engineering in Life Sciences</i> , <b>2018</b> , 18, 368-378	3.4	4

481	Bioleaching of metals from WEEE shredding dust. <i>Journal of Environmental Management</i> , <b>2018</b> , 210, 180-190	6.0	60
480	Formation of Se(0), Te(0), and Se(0)-Te(0) nanostructures during simultaneous bioreduction of selenite and tellurite in a UASB reactor. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 2899-2911	5.7	19
479	Assessment of Bacterial Community Composition of Anaerobic Granular Sludge in Response to Short-Term Uranium Exposure. <i>Microbial Ecology</i> , <b>2018</b> , 76, 648-659	4.4	6
478	Selenate removal in biofilm systems: effect of nitrate and sulfate on selenium removal efficiency, biofilm structure and microbial community. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 2380-2389	3.5	14
477	Composition and role of the attached and planktonic microbial communities in mesophilic and thermophilic xylose-fed microbial fuel cells.. <i>RSC Advances</i> , <b>2018</b> , 8, 3069-3080	3.7	10
476	Increased biogas production from wheat straw by chemical pretreatments. <i>Renewable Energy</i> , <b>2018</b> , 119, 608-614	8.1	99
475	Bioprocesses for Sulphate Removal from Wastewater. <i>Energy, Environment, and Sustainability</i> , <b>2018</b> , 35-60	0.8	4
474	Zn isotopes fractionation during slags' weathering: One source of contamination, multiple isotopic signatures. <i>Chemosphere</i> , <b>2018</b> , 195, 483-490	8.4	9
473	Fungal-Based Nanotechnology for Heavy Metal Removal. <i>Environmental Chemistry for A Sustainable World</i> , <b>2018</b> , 229-253	0.8	2
472	Environmental impact and bioremediation of seleniferous soils and sediments. <i>Critical Reviews in Biotechnology</i> , <b>2018</b> , 38, 941-956	9.4	26
471	The attachment potential and N-acyl-homoserine lactone-based quorum sensing in aerobic granular sludge and algal-bacterial granular sludge. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 5343-5353	5.7	21
470	Performance of a biotrickling filter for the anaerobic utilization of gas-phase methanol coupled to thiosulphate reduction and resource recovery through volatile fatty acids production. <i>Bioresource Technology</i> , <b>2018</b> , 263, 591-600	11	12
469	Comparative performance of anaerobic attached biofilm and granular sludge reactors for the treatment of model mine drainage wastewater containing selenate, sulfate and nickel. <i>Chemical Engineering Journal</i> , <b>2018</b> , 345, 545-555	14.7	29
468	Alteration of the characteristics of extracellular polymeric substances (EPS) extracted from the fungus <i>Phanerochaete chrysosporium</i> when exposed to sub-toxic concentrations of nickel (II). <i>International Biodeterioration and Biodegradation</i> , <b>2018</b> , 129, 179-188	4.8	19
467	Anaerobic Digestion of Lignocellulosic Materials Using Ethanol-Organosolv Pretreatment. <i>Environmental Engineering Science</i> , <b>2018</b> , 35, 953-960	2	11
466	Enrichment of sulfate reducing anaerobic methane oxidizing community dominated by ANME-1 from Ginsburg Mud Volcano (Gulf of Cadiz) sediment in a biotrickling filter. <i>Bioresource Technology</i> , <b>2018</b> , 259, 433-441	11	13
465	Thermophilic versus mesophilic dark fermentation in xylose-fed fluidised bed reactors: Biohydrogen production and active microbial community. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 5473-5485	6.7	20
464	Microbial sulfate-reducing activities in anoxic sediment from Marine Lake Grevelingen: screening of electron donors and acceptors. <i>Limnology</i> , <b>2018</b> , 19, 31-41	1.7	5

463	Bioaugmentation of the anaerobic digestion of food waste by dungs of herbivore, carnivore, and omnivore zoo animals. <i>Environmental Technology (United Kingdom)</i> , <b>2018</b> , 39, 516-526	2.6	8
462	Lignocellulosic biowastes as carrier material and slow release electron donor for sulphidogenesis of wastewater in an inverse fluidized bed bioreactor. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 5115-5128	5.1	12
461	Fate of heavy metals in vertical subsurface flow constructed wetlands treating secondary treated petroleum refinery wastewater in Kaduna, Nigeria. <i>International Journal of Phytoremediation</i> , <b>2018</b> , 20, 44-53	3.9	38
460	Effect of total solids content on biohydrogen production and lactic acid accumulation during dark fermentation of organic waste biomass. <i>Bioresource Technology</i> , <b>2018</b> , 248, 180-186	11	38
459	Trace elements dosing and alkaline pretreatment in the anaerobic digestion of rice straw. <i>Bioresource Technology</i> , <b>2018</b> , 247, 897-903	11	65
458	Electronic waste as a secondary source of critical metals: Management and recovery technologies. <i>Resources, Conservation and Recycling</i> , <b>2018</b> , 135, 296-312	11.9	133
457	Simultaneous removal of selenite and phenol from wastewater in an upflow fungal pellet bioreactor. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 1003-1011	3.5	11
456	Enhancement of hydrogen production rate by high biomass concentrations of <i>Thermotoga neapolitana</i> . <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 13072-13080	6.7	10
455	Co-production of Hydrogen and Methane From the Organic Fraction of Municipal Solid Waste in a Pilot Scale Dark Fermenter and Methanogenic Biofilm Reactor. <i>Frontiers in Environmental Science</i> , <b>2018</b> , 6,	4.8	10
454	(Bio)leaching Behavior of Chromite Tailings. <i>Minerals (Basel, Switzerland)</i> , <b>2018</b> , 8, 261	2.4	7
453	Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0. <i>Chemosphere</i> , <b>2018</b> , 211, 684-693	8.4	19
452	Cyanide degradation kinetics during anaerobic co-digestion of cassava pulp with pig manure. <i>Water Science and Technology</i> , <b>2018</b> , 2017, 650-660	2.2	3
451	Lead sorption by biochar produced from digestates: Consequences of chemical modification and washing. <i>Journal of Environmental Management</i> , <b>2018</b> , 219, 277-284	7.9	43
450	Inoculum pretreatment differentially affects the active microbial community performing mesophilic and thermophilic dark fermentation of xylose. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 9233-9245	6.7	22
449	Amberlite IRA-900 Ion Exchange Resin for the Sorption of Selenate and Sulfate: Equilibrium, Kinetic, and Regeneration Studies. <i>Journal of Environmental Engineering, ASCE</i> , <b>2018</b> , 144, 04018110	2	9
448	Effect of elevated nitrate and sulfate concentrations on selenate removal by mesophilic anaerobic granular sludge bed reactors. <i>Environmental Science: Water Research and Technology</i> , <b>2018</b> , 4, 303-314	4.2	11
447	Enhancement of aerobic granulation and nutrient removal by an algal-bacterial consortium in a lab-scale photobioreactor. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 2373-2382	14.7	99
446	Lactic acid fermentation of human excreta for agricultural application. <i>Journal of Environmental Management</i> , <b>2018</b> , 206, 890-900	7.9	13

445	Selenite reduction and ammoniacal nitrogen removal in an aerobic granular sludge sequencing batch reactor. <i>Water Research</i> , <b>2018</b> , 131, 131-141	12.5	42
444	Settling fluxes and ecotoxicological risk assessment of fine sedimentary metals in Tema Harbour (Ghana). <i>Marine Pollution Bulletin</i> , <b>2018</b> , 126, 119-129	6.7	1
443	Nutrient removal from high strength nitrate containing industrial wastewater using <i>Chlorella</i> sp. strain ACUF_802. <i>Annals of Microbiology</i> , <b>2018</b> , 68, 899-913	3.2	11
442	Graphene Facilitates Biomethane Production from Protein-Derived Glycine in Anaerobic Digestion. <i>IScience</i> , <b>2018</b> , 10, 158-170	6.1	42
441	Constructed Wetlands to Treat Petroleum Wastewater. <i>Nanotechnology in the Life Sciences</i> , <b>2018</b> , 199-237	5	
440	Optimization of Soil Washing to Reduce the Selenium Levels of Seleniferous Soil from Punjab, Northwestern India. <i>Journal of Environmental Quality</i> , <b>2018</b> , 47, 1530-1537	3.4	6
439	Hydrodynamics and mathematical modelling in a low HRT inverse fluidized-bed reactor for biological sulphate reduction. <i>Bioprocess and Biosystems Engineering</i> , <b>2018</b> , 41, 1869-1882	3.7	4
438	Sensitivity analysis for an elemental sulfur-based two-step denitrification model. <i>Water Science and Technology</i> , <b>2018</b> , 78, 1296-1303	2.2	7
437	Changes of sewage sludge digestate-derived biochar properties after chemical treatments and influence on As(III and V) and Cd(II) sorption. <i>International Biodeterioration and Biodegradation</i> , <b>2018</b> , 135, 96-102	4.8	26
436	Biokinetics of microbial consortia using biogenic sulfur as a novel electron donor for sustainable denitrification. <i>Bioresource Technology</i> , <b>2018</b> , 270, 359-367	11	42
435	Vertical subsurface flow constructed wetlands for the removal of petroleum contaminants from secondary refinery effluent at the Kaduna refining plant (Kaduna, Nigeria). <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 30451-30462	5.1	14
434	Optimization of process parameters for the chemical leaching of base metals from telecom and desktop printed circuit boards. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 120, 14-23	5.5	5
433	Temperature control as key factor for optimal biohydrogen production from thermomechanical pulping wastewater. <i>Biochemical Engineering Journal</i> , <b>2018</b> , 137, 214-221	4.2	19
432	Phytoremediation of seleniferous soil leachate using the aquatic plants <i>Lemna minor</i> and <i>Egeria densa</i> . <i>Ecological Engineering</i> , <b>2018</b> , 120, 321-328	3.9	14
431	Effect of pressure and temperature on anaerobic methanotrophic activities of a highly enriched ANME-2a community. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 30031-30043	5.1	9
430	Leaching and selective zinc recovery from acidic leachates of zinc metallurgical leach residues. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 324, 71-82	12.8	53
429	Bioleaching and selective biorecovery of zinc from zinc metallurgical leach residues from the Trs Marias zinc plant (Minas Gerais, Brazil). <i>Journal of Chemical Technology and Biotechnology</i> , <b>2017</b> , 92, 512-521	3.5	15
428	Biological removal of selenate and ammonium by activated sludge in a sequencing batch reactor. <i>Bioresource Technology</i> , <b>2017</b> , 229, 11-19	11	33

427	Effect of psychrophilic temperature shocks on a gas-lift anaerobic membrane bioreactor (Gl-AnMBR) treating synthetic domestic wastewater. <i>Journal of Water Process Engineering</i> , <b>2017</b> , 16, 108-114	6.7	21
426	Forecasting the effect of feast and famine conditions on biological sulphate reduction in an anaerobic inverse fluidized bed reactor using artificial neural networks. <i>Process Biochemistry</i> , <b>2017</b> , 55, 146-161	4.8	11
425	Radioactivity concentrations and their radiological significance in sediments of the Tema Harbour (Greater Accra, Ghana)Peer review under responsibility of The Egyptian Society of Radiation Sciences and Applications.View all notes. <i>Journal of Radiation Research and Applied Sciences</i> , <b>2017</b> , 10, 63-71	1.5	25
424	The ins and outs of microorganism-electrode electron transfer reactions. <i>Nature Reviews Chemistry</i> , <b>2017</b> , 1,	34.6	276
423	Shape change of biogenic elemental selenium nanomaterials from nanospheres to nanorods decreases their colloidal stability. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 1054-1063	7.1	26
422	Biohydrogen production from xylose by fresh and digested activated sludge at 37, 55 and 70°C. <i>Water Research</i> , <b>2017</b> , 115, 120-129	12.5	29
421	Biosynthesis of CdSe nanoparticles by anaerobic granular sludge. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 824-833	7.1	18
420	Integrated hazard, risk and impact assessment of tropical marine sediments from Tema Harbour (Ghana). <i>Chemosphere</i> , <b>2017</b> , 177, 24-34	8.4	6
419	Assessment of DDT, HCH and PAH contamination and associated ecotoxicological risks in surface sediments of coastal Tema Harbour (Ghana). <i>Marine Pollution Bulletin</i> , <b>2017</b> , 115, 480-488	6.7	21
418	Hydrophobic molecular features of EPS extracted from anaerobic granular sludge treating wastewater from a paper recycling plant. <i>Process Biochemistry</i> , <b>2017</b> , 58, 266-275	4.8	7
417	Effects of different nickel species on autotrophic denitrification driven by thiosulfate in batch tests and a fluidized-bed reactor. <i>Bioresource Technology</i> , <b>2017</b> , 238, 534-541	11	25
416	Treatment of Source-Separated Human Feces via Lactic Acid Fermentation Combined with Thermophilic Composting. <i>Compost Science and Utilization</i> , <b>2017</b> , 25, 220-230	1.2	10
415	Lactic acid fermentation of human urine to improve its fertilizing value and reduce odour emissions. <i>Journal of Environmental Management</i> , <b>2017</b> , 198, 63-69	7.9	19
414	Biomining of tellurium and selenium-tellurium nanoparticles by the white-rot fungus <i>Phanerochaete chrysosporium</i> . <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 124, 258-266	4.8	26
413	Hydrogen and lactic acid synthesis by the wild-type and a laboratory strain of the hyperthermophilic bacterium <i>Thermotoga neapolitana</i> DSMZ 4359 T under capnophilic lactic fermentation conditions. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 16023-16030	6.7	16
412	Carbohydrate based polymeric materials as slow release electron donors for sulphate removal from wastewater. <i>Journal of Environmental Management</i> , <b>2017</b> , 200, 407-415	7.9	8
411	Special issue on environmental biotechnologies for sustainable development. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 119, 1-3	4.8	4
410	Anaerobic Methane-Oxidizing Microbial Community in a Coastal Marine Sediment: Anaerobic Methanotrophy Dominated by ANME-3. <i>Microbial Ecology</i> , <b>2017</b> , 74, 608-622	4.4	26

409	Anaerobic oxidation of methane coupled to thiosulfate reduction in a biotrickling filter. <i>Bioresource Technology</i> , <b>2017</b> , 240, 214-222	11	17
408	Metal mobilization from metallurgical wastes by soil organic acids. <i>Chemosphere</i> , <b>2017</b> , 178, 197-211	8.4	28
407	Role of microbial accumulation in biological sulphate reduction using lactate as electron donor in an inversed fluidized bed bioreactor: Operation and dynamic mathematical modelling. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 121, 1-10	4.8	7
406	A comparison of fate and toxicity of selenite, biogenically, and chemically synthesized selenium nanoparticles to zebrafish ( <i>Danio rerio</i> ) embryogenesis. <i>Nanotoxicology</i> , <b>2017</b> , 11, 87-97	5.3	45
405	High-rate autotrophic denitrification in a fluidized-bed reactor at psychrophilic temperatures. <i>Chemical Engineering Journal</i> , <b>2017</b> , 313, 591-598	14.7	36
404	Continuous biohydrogen production by thermophilic dark fermentation of cheese whey: Use of buffalo manure as buffering agent. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 4861-4869	6.7	42
403	Hydrophobic features of EPS extracted from anaerobic granular sludge: an investigation based on DAX-8 resin fractionation and size exclusion chromatography. <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 3427-3438	5.7	10
402	Continuous removal and recovery of tellurium in an upflow anaerobic granular sludge bed reactor. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 327, 79-88	12.8	36
401	Metal Recovery from Industrial and Mining Wastewaters. <i>Environmental Chemistry for A Sustainable World</i> , <b>2017</b> , 81-114	0.8	4
400	Industrial Selenium Pollution: Sources and Biological Treatment Technologies <b>2017</b> , 75-101		8
399	Biological Sulphate Reduction. <i>Environmental Chemistry for A Sustainable World</i> , <b>2017</b> , 115-132	0.8	0
398	Biorecovery of Metals from Electronic Waste. <i>Environmental Chemistry for A Sustainable World</i> , <b>2017</b> , 241-278	0.8	5
397	Leaching and Recovery of Metals. <i>Environmental Chemistry for A Sustainable World</i> , <b>2017</b> , 161-206	0.8	8
396	Longitudinal Removal of Bisphenol-A and Nonylphenols from Pretreated Domestic Wastewater by Tropical Horizontal Sub-Surface Constructed Wetlands. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 834	2.6	3
395	Removal of <i>Escherichia coli</i> by Intermittent Operation of Saturated Sand Columns Supplemented with Hydrochar Derived from Sewage Sludge. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 839	2.6	10
394	Nitrification by microalgal-bacterial consortia for ammonium removal in flat panel sequencing batch photo-bioreactors. <i>Bioresource Technology</i> , <b>2017</b> , 245, 81-89	11	49
393	Immobilization of Metal Ions from Acid Mine Drainage by Coal Bottom Ash. <i>Water, Air, and Soil Pollution</i> , <b>2017</b> , 228, 1	2.6	6
392	Bioelectrochemical Systems for Heavy Metal Removal and Recovery. <i>Environmental Chemistry for A Sustainable World</i> , <b>2017</b> , 165-198	0.8	8

391	Metal distribution and fractionation in surface sediments of coastal Tema Harbour (Ghana) and its ecological implications. <i>Environmental Earth Sciences</i> , <b>2017</b> , 76, 1	2.9	8
390	Techniques for Metal Removal and Recovery from Waste Stream. <i>Environmental Chemistry for A Sustainable World</i> , <b>2017</b> , 1-23	0.8	1
389	Permeable Reactive Barriers for Heavy Metal Removal. <i>Environmental Chemistry for A Sustainable World</i> , <b>2017</b> , 65-100	0.8	
388	Settling fluxes and sediment accumulation rates by the combined use of sediment traps and sediment cores in Tema Harbour (Ghana). <i>Science of the Total Environment</i> , <b>2017</b> , 609, 1114-1125	10.2	20
387	Hydrogen sulfide oxidation under anoxic conditions by a nitrate-reducing, sulfide-oxidizing bacterium isolated from the Mae Um Long Luang hot spring, Thailand. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 124, 196-205	4.8	15
386	High-rate thiosulfate-driven denitrification at pH lower than 5 in fluidized-bed reactor. <i>Chemical Engineering Journal</i> , <b>2017</b> , 310, 282-291	14.7	33
385	Adsorption Behaviour of Lactic Acid on Granular Activated Carbon and Anionic Resins: Thermodynamics, Isotherms and Kinetic Studies. <i>Energies</i> , <b>2017</b> , 10, 665	3.1	35
384	Industrial Selenium Pollution: Wastewaters and Physical-Chemical Treatment Technologies <b>2017</b> , 103-130		3
383	Lead and Zinc Metallurgical Slags Mineralogy and Weathering. <i>Environmental Chemistry for A Sustainable World</i> , <b>2017</b> , 133-160	0.8	1
382	Leaching and Recovery of Molybdenum from Spent Catalysts. <i>Environmental Chemistry for A Sustainable World</i> , <b>2017</b> , 207-239	0.8	1
381	Reduction of selenite to elemental selenium nanoparticles by activated sludge. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 1193-202	5.1	28
380	Characterization and pH-dependent leaching behaviour of historical and modern copper slags. <i>Journal of Geochemical Exploration</i> , <b>2016</b> , 160, 1-15	3.8	40
379	Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles. <i>Chemical Engineering Journal</i> , <b>2016</b> , 284, 917-925	14.7	47
378	Fungal pelleted reactors in wastewater treatment: Applications and perspectives. <i>Chemical Engineering Journal</i> , <b>2016</b> , 283, 553-571	14.7	138
377	Biosorption of Pb(II) Ions from Aqueous Solutions by Waste Biomass from Biotrickling Filters: Kinetics, Isotherms, and Thermodynamics. <i>Journal of Environmental Engineering, ASCE</i> , <b>2016</b> , 142,	2	60
376	Production of biohythane from food waste via an integrated system of continuously stirred tank and anaerobic fixed bed reactors. <i>Bioresource Technology</i> , <b>2016</b> , 220, 312-322	11	77
375	Special Issue on Biofilm Engineering for Heavy-Metal Removal and Recovery. <i>Journal of Environmental Engineering, ASCE</i> , <b>2016</b> , 142,	2	3
374	Constructed wetroofs: A novel approach for the treatment and reuse of domestic wastewater. <i>Ecological Engineering</i> , <b>2016</b> , 94, 545-554	3.9	14

373	Enhanced adsorption of orthophosphate and copper onto hydrochar derived from sewage sludge by KOH activation. <i>RSC Advances</i> , <b>2016</b> , 6, 101827-101834	3.7	24
372	Effect of N-methylmorpholine-N-oxide Pretreatment on Biogas Production from Rice Straw, Cocoa Shell, and Hazelnut Skin. <i>Environmental Engineering Science</i> , <b>2016</b> , 33, 843-850	2	30
371	Impacts of sulfur source and temperature on sulfur-driven denitrification by pure and mixed cultures of <i>Thiobacillus</i> . <i>Process Biochemistry</i> , <b>2016</b> , 51, 1576-1584	4.8	91
370	Recent advances in nutrient removal and recovery in biological and bioelectrochemical systems. <i>Bioresource Technology</i> , <b>2016</b> , 215, 173-185	11	152
369	Recovery of molybdenum, nickel and cobalt by precipitation from the acidic leachate of a mineral sludge. <i>Environmental Technology (United Kingdom)</i> , <b>2016</b> , 37, 2231-42	2.6	14
368	Adsorption of Iron(II) from Acid Mine Drainage Contaminated Groundwater Using Coal Fly Ash, Coal Bottom Ash, and Bentonite Clay. <i>Water, Air, and Soil Pollution</i> , <b>2016</b> , 227, 1	2.6	17
367	Effects of operational parameters on dark fermentative hydrogen production from biodegradable complex waste biomass. <i>Waste Management</i> , <b>2016</b> , 50, 55-64	8.6	65
366	Kinetic modeling of fermentative hydrogen production by <i>Thermotoga neapolitana</i> . <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 4931-4940	6.7	34
365	Effect of pH and Calcium on the Adsorptive Removal of Cadmium and Copper by Iron Oxide-Coated Sand and Granular Ferric Hydroxide. <i>Journal of Environmental Engineering, ASCE</i> , <b>2016</b> , 142,	2	6
364	Effect of heavy metal co-contaminants on selenite bioreduction by anaerobic granular sludge. <i>Bioresource Technology</i> , <b>2016</b> , 206, 1-8	11	44
363	Solvent Pretreatments of Lignocellulosic Materials to Enhance Biogas Production: A Review. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 1892-1903	4.1	50
362	Bacterially-mediated weathering of crystalline and amorphous Cu-slugs. <i>Applied Geochemistry</i> , <b>2016</b> , 64, 92-106	3.5	26
361	Concomitant biohydrogen and poly-β-hydroxybutyrate production from dark fermentation effluents by adapted <i>Rhodobacter sphaeroides</i> and mixed photofermentative cultures. <i>Bioresource Technology</i> , <b>2016</b> , 217, 157-64	11	36
360	Effect of temperature on selenium removal from wastewater by UASB reactors. <i>Water Research</i> , <b>2016</b> , 94, 146-154	12.5	53
359	Two-step bioleaching of copper and gold from discarded printed circuit boards (PCB). <i>Waste Management</i> , <b>2016</b> , 57, 149-157	8.6	126
358	Biological and Bioelectrochemical Recovery of Critical and Scarce Metals. <i>Trends in Biotechnology</i> , <b>2016</b> , 34, 137-155	15.1	187
357	Effect of pH on the Performance of Sulfate and Thiosulfate-Fed Sulfate Reducing Inverse Fluidized Bed Reactors. <i>Journal of Environmental Engineering, ASCE</i> , <b>2016</b> , 142,	2	12
356	Acid extraction of molybdenum, nickel and cobalt from mineral sludge generated by rainfall water at a metal recycling plant. <i>Environmental Technology (United Kingdom)</i> , <b>2016</b> , 37, 630-9	2.6	5

355	Methane and VFA production in anaerobic digestion of rice straw under dry, semi-dry and wet conditions during start-up phase. <i>Environmental Technology (United Kingdom)</i> , <b>2016</b> , 37, 505-12	2.6	12
354	Application of Zn isotopes in environmental impact assessment of ZnPb metallurgical industries: A mini review. <i>Applied Geochemistry</i> , <b>2016</b> , 64, 128-135	3.5	38
353	BPA and NP removal from municipal wastewater by tropical horizontal subsurface constructed wetlands. <i>Science of the Total Environment</i> , <b>2016</b> , 542, 93-101	10.2	37
352	Enhanced Anaerobic Digestion of Food Waste by Supplementing Trace Elements: Role of Selenium (VI) and Iron (II). <i>Frontiers in Environmental Science</i> , <b>2016</b> , 4,	4.8	29
351	Iron, Cobalt, and Gadolinium Transport in Methanogenic Granules Measured by 3D Magnetic Resonance Imaging. <i>Frontiers in Environmental Science</i> , <b>2016</b> , 4,	4.8	8
350	Mass Loss Controlled Thermal Pretreatment System to Assess the Effects of Pretreatment Temperature on Organic Matter Solubilization and Methane Yield from Food Waste. <i>Frontiers in Environmental Science</i> , <b>2016</b> , 4,	4.8	15
349	Selenite Reduction by Anaerobic Microbial Aggregates: Microbial Community Structure, and Proteins Associated to the Produced Selenium Spheres. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 571	5.7	42
348	Effect of operational parameters on the leaching efficiency and recovery of heavy metals from computer printed circuit boards. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 2038-2046	3.5	13
347	Simultaneous removal of rotavirus and adenovirus from artificial ground water using hydrochar derived from swine feces. <i>Journal of Water and Health</i> , <b>2016</b> , 14, 754-767	2.2	10
346	Public health risk assessment tool: strategy to improve public policy framework for onsite wastewater treatment systems (OWTS). <i>Journal of Water Sanitation and Hygiene for Development</i> , <b>2016</b> , 6, 74-88	1.5	1
345	Characterisation of septage in partially sealed cesspit. <i>Journal of Water Sanitation and Hygiene for Development</i> , <b>2016</b> , 6, 631-639	1.5	2
344	Response to the comment on Copper metallurgical slags - current knowledge and fate: A review $\square$ <i>Critical Reviews in Environmental Science and Technology</i> , <b>2016</b> , 46, 438-440	11.1	2
343	The effect of aeration and recirculation on a sand-based hybrid constructed wetland treating low-strength domestic wastewater. <i>Environmental Technology (United Kingdom)</i> , <b>2016</b> , 37, 1923-32	2.6	1
342	Microbial synthesis of chalcogenide semiconductor nanoparticles: a review. <i>Microbial Biotechnology</i> , <b>2016</b> , 9, 11-21	6.3	51
341	Selenium: environmental significance, pollution, and biological treatment technologies. <i>Biotechnology Advances</i> , <b>2016</b> , 34, 886-907	17.8	231
340	Metal chalcogenide quantum dots: biotechnological synthesis and applications. <i>RSC Advances</i> , <b>2016</b> , 6, 41477-41495	3.7	70
339	Comparison of Cu, Zn and Fe bioleaching from Cu-metallurgical slags in the presence of <i>Pseudomonas fluorescens</i> and <i>Acidithiobacillus thiooxidans</i> . <i>Applied Geochemistry</i> , <b>2016</b> , 68, 39-52	3.5	43
338	Leaching and selective copper recovery from acidic leachates of Trs Marias zinc plant (MG, Brazil) metallurgical purification residues. <i>Journal of Environmental Management</i> , <b>2016</b> , 177, 26-35	7.9	11

337	Effect of selenite on the morphology and respiratory activity of <i>Phanerochaete chrysosporium</i> biofilms. <i>Bioresource Technology</i> , <b>2016</b> , 210, 138-45	11	13
336	Fractionation and leachability of heavy metals from aged and recent Zn metallurgical leach residues from the Tr <sup>š</sup> Marias zinc plant (Minas Gerais, Brazil). <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 7504-16	5.1	17
335	Higher Cd adsorption on biogenic elemental selenium nanoparticles. <i>Environmental Chemistry Letters</i> , <b>2016</b> , 14, 381-386	13.3	31
334	Model development and experimental validation of capnophilic lactic fermentation and hydrogen synthesis by <i>Thermotoga neapolitana</i> . <i>Water Research</i> , <b>2016</b> , 99, 225-234	12.5	18
333	Lacto-fermented mix of faeces and bio-waste supplemented by biochar improves the growth and yield of corn ( <i>Zea mays</i> L.). <i>Agriculture, Ecosystems and Environment</i> , <b>2016</b> , 232, 263-272	5.7	15
332	Start-up of an anaerobic fluidized bed reactor treating synthetic carbohydrate rich wastewater. <i>Journal of Environmental Management</i> , <b>2016</b> , 184, 456-464	7.9	13
331	Innovative Global Solutions for Bioenergy Production. <i>Environmental Engineering Science</i> , <b>2016</b> , 33, 841-842		2
330	Evaluation on chemical stability of lead blast furnace (LBF) and imperial smelting furnace (ISF) slags. <i>Journal of Environmental Management</i> , <b>2016</b> , 180, 310-23	7.9	17
329	Sorption of zinc onto elemental selenium nanoparticles immobilized in <i>Phanerochaete chrysosporium</i> pellets. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 21619-21630	5.1	28
328	Cr(VI) and COD removal from landfill leachate by polyculture constructed wetland at a pilot scale. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 12804-15	5.1	12
327	Effect of hydraulic retention time on metal precipitation in sulfate reducing inverse fluidized bed reactors. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2015</b> , 90, 120-129	3.5	13
326	Mineralogy and metals speciation in Mo rich mineral sludges generated at a metal recycling plant. <i>Waste Management</i> , <b>2015</b> , 38, 303-11	8.6	18
325	Production, recovery and reuse of biogenic elemental selenium. <i>Environmental Chemistry Letters</i> , <b>2015</b> , 13, 89-96	13.3	34
324	Microbial community composition and ultrastructure of granules from a full-scale anammox reactor. <i>Microbial Ecology</i> , <b>2015</b> , 70, 118-31	4.4	85
323	Automated biological sulphate reduction: a review on mathematical models, monitoring and bioprocess control. <i>FEMS Microbiology Reviews</i> , <b>2015</b> , 39, 823-53	15.1	14
322	Chemolithotrophic denitrification in biofilm reactors. <i>Chemical Engineering Journal</i> , <b>2015</b> , 280, 643-657	14.7	104
321	Use of the Macrophyte <i>Cyperus papyrus</i> in Wastewater Treatment <b>2015</b> , 293-314		2
320	Metals removal and recovery in bioelectrochemical systems: A review. <i>Bioresource Technology</i> , <b>2015</b> , 195, 102-14	11	250

319	Selenium biomineralization for biotechnological applications. <i>Trends in Biotechnology</i> , <b>2015</b> , 33, 323-30	15.1	153
318	Coal Bottom Ash as Sorbing Material for Fe(II), Cu(II), Mn(II), and Zn(II) Removal from Aqueous Solutions. <i>Water, Air, and Soil Pollution</i> , <b>2015</b> , 226, 1	2.6	28
317	Effect of Fulvic Acid on Adsorptive Removal of Cr(VI) and As(V) from Groundwater by Iron Oxide-Based Adsorbents. <i>Water, Air, and Soil Pollution</i> , <b>2015</b> , 226, 1	2.6	14
316	Removal of selenite from wastewater in a Phanerochaete chrysosporium pellet based fungal bioreactor. <i>International Biodeterioration and Biodegradation</i> , <b>2015</b> , 102, 361-369	4.8	37
315	Copper Metallurgical Slags [Current Knowledge and Fate: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2015</b> , 45, 2424-2488	11.1	62
314	Entrapped elemental selenium nanoparticles affect physicochemical properties of selenium fed activated sludge. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 295, 193-200	12.8	43
313	Effect of process variables on the sulfate reduction process in bioreactors treating metal-containing wastewaters: factorial design and response surface analyses. <i>Biodegradation</i> , <b>2015</b> , 26, 299-311	4.1	24
312	A new photo-activated sludge system for nitrification by an algal-bacterial consortium in a photo-bioreactor with biomass recycle. <i>Water Science and Technology</i> , <b>2015</b> , 72, 443-50	2.2	20
311	Vertical subsurface flow constructed wetlands for polishing secondary Kaduna refinery wastewater in Nigeria. <i>Ecological Engineering</i> , <b>2015</b> , 84, 588-595	3.9	29
310	Effect of pH on Cu, Ni and Zn removal by biogenic sulfide precipitation in an inversed fluidized bed bioreactor. <i>Hydrometallurgy</i> , <b>2015</b> , 158, 94-100	4	42
309	Extracellular polymeric substances govern the surface charge of biogenic elemental selenium nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 1713-20	10.3	117
308	Grey water characterisation and pollutant loads in an urban slum. <i>International Journal of Environmental Science and Technology</i> , <b>2015</b> , 12, 423-436	3.3	39
307	Electrocoagulation of colloidal biogenic selenium. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 3127-37	5.1	39
306	Bio-alteration of metallurgical wastes by <i>Pseudomonas aeruginosa</i> in a semi flow-through reactor. <i>Journal of Environmental Management</i> , <b>2015</b> , 147, 297-305	7.9	15
305	Effects of selenium oxyanions on the white-rot fungus <i>Phanerochaete chrysosporium</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 2405-18	5.7	41
304	Spontaneous electrochemical treatment for sulfur recovery by a sulfide oxidation/vanadium(V) reduction galvanic cell. <i>Journal of Environmental Management</i> , <b>2015</b> , 149, 263-70	7.9	3
303	Phytoremediation of Landfill Leachate with <i>Colocasia esculenta</i> , <i>Gynerum sagittatum</i> and <i>Heliconia psittacorum</i> in Constructed Wetlands. <i>International Journal of Phytoremediation</i> , <b>2015</b> , 17, 16-24	3.9	65
302	Adsorption of zinc by biogenic elemental selenium nanoparticles. <i>Chemical Engineering Journal</i> , <b>2015</b> , 260, 855-863	14.7	101

301	NMR and MALDI-TOF MS based characterization of exopolysaccharides in anaerobic microbial aggregates from full-scale reactors. <i>Scientific Reports</i> , <b>2015</b> , 5, 14316	4.9	40
300	Removal of rotavirus and adenovirus from artificial ground water using hydrochar derived from sewage sludge. <i>Journal of Applied Microbiology</i> , <b>2015</b> , 119, 876-84	4.7	17
299	<i>Pseudomonas moraviensis</i> subsp. <i>stanleyae</i> , a bacterial endophyte of hyperaccumulator <i>Stanleya pinnata</i> , is capable of efficient selenite reduction to elemental selenium under aerobic conditions. <i>Journal of Applied Microbiology</i> , <b>2015</b> , 119, 400-10	4.7	39
298	Hydrogen Production by the Thermophilic Bacterium <i>Thermotoga neapolitana</i> . <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 12578-600	6.3	47
297	Modified Anaerobic Digestion Model No.1 for dry and semi-dry anaerobic digestion of solid organic waste. <i>Environmental Technology (United Kingdom)</i> , <b>2015</b> , 36, 870-80	2.6	23
296	Copper, lead and zinc removal from metal-contaminated wastewater by adsorption onto agricultural wastes. <i>Environmental Technology (United Kingdom)</i> , <b>2015</b> , 36, 3071-83	2.6	34
295	Evaluation of the performance and space requirement by three different hybrid constructed wetlands in a stack arrangement. <i>Ecological Engineering</i> , <b>2015</b> , 82, 290-300	3.9	25
294	Biohydrogen production from food waste by coupling semi-continuous dark-photofermentation and residue post-treatment to anaerobic digestion: A synergy for energy recovery. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 16045-16055	6.7	54
293	Enhanced mesophilic anaerobic digestion of food waste by thermal pretreatment: Substrate versus digestate heating. <i>Waste Management</i> , <b>2015</b> , 46, 176-81	8.6	38
292	Removal of colloidal biogenic selenium from wastewater. <i>Chemosphere</i> , <b>2015</b> , 125, 130-8	8.4	59
291	Growth of anaerobic methane-oxidizing archaea and sulfate-reducing bacteria in a high-pressure membrane capsule bioreactor. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 1286-96	4.8	52
290	Anaerobic bioleaching of metals from waste activated sludge. <i>Science of the Total Environment</i> , <b>2015</b> , 514, 60-7	10.2	30
289	Effect of ammoniacal nitrogen on one-stage and two-stage anaerobic digestion of food waste. <i>Waste Management</i> , <b>2015</b> , 38, 388-98	8.6	86
288	A review on dark fermentative biohydrogen production from organic biomass: Process parameters and use of by-products. <i>Applied Energy</i> , <b>2015</b> , 144, 73-95	10.7	554
287	Current Views on Hydrodynamic Models of Nonideal Flow Anaerobic Reactors. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2015</b> , 45, 2175-2207	11.1	7
286	Dark fermentation of complex waste biomass for biohydrogen production by pretreated thermophilic anaerobic digestate. <i>Journal of Environmental Management</i> , <b>2015</b> , 152, 43-8	7.9	83
285	Ecology and biotechnology of selenium-respiring bacteria. <i>Microbiology and Molecular Biology Reviews</i> , <b>2015</b> , 79, 61-80	13.2	226
284	Improved dark fermentative hydrogen yields from complex waste biomass using mixed anaerobic cultures. <i>Proceedings of the Water Environment Federation</i> , <b>2015</b> , 2015, 1-1		1

283	Simulation of batch-operated experimental wetland mesocosms in AQUASIM biofilm reactor compartment. <i>Journal of Environmental Management</i> , <b>2014</b> , 134, 100-8	7.9	8
282	Biological sulfate removal from construction and demolition debris leachate: effect of bioreactor configuration. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 269, 38-44	12.8	27
281	Grey water treatment in urban slums by a filtration system: optimisation of the filtration medium. <i>Journal of Environmental Management</i> , <b>2014</b> , 146, 131-141	7.9	35
280	Enhanced anaerobic digestion of food waste by thermal and ozonation pretreatment methods. <i>Journal of Environmental Management</i> , <b>2014</b> , 146, 142-149	7.9	117
279	Effect of aeration on pollutants removal, biofilm activity and protozoan abundance in conventional and hybrid horizontal subsurface-flow constructed wetlands. <i>Environmental Technology (United Kingdom)</i> , <b>2014</b> , 35, 2086-94	2.6	13
278	Use of marine and engineered materials for the removal of phosphorus from secondary effluent. <i>Ecological Engineering</i> , <b>2014</b> , 73, 635-642	3.9	7
277	Distribution and fate of metals in the Montenegrin part of Lake Skadar. <i>International Journal of Sediment Research</i> , <b>2014</b> , 29, 357-367	3	16
276	Pretreatment methods to enhance anaerobic digestion of organic solid waste. <i>Applied Energy</i> , <b>2014</b> , 123, 143-156	10.7	563
275	Morphology, mineralogy, and solid-liquid phase separation characteristics of Cu and Zn precipitates produced with biogenic sulfide. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 664-73	10.3	22
274	Treatment of gold mining effluent in pilot fixed bed sorption system. <i>Hydrometallurgy</i> , <b>2014</b> , 141, 1-7	4	8
273	A two-step crushed lava rock filter unit for grey water treatment at household level in an urban slum. <i>Journal of Environmental Management</i> , <b>2014</b> , 133, 258-67	7.9	27
272	Bioweathering of lead blast furnace metallurgical slags by <i>Pseudomonas aeruginosa</i> . <i>International Biodeterioration and Biodegradation</i> , <b>2014</b> , 86, 372-381	4.8	22
271	Spatial and temporal variability in water quality and macro-invertebrate assemblages in the Upper Mara River basin, Kenya. <i>Physics and Chemistry of the Earth</i> , <b>2014</b> , 67-69, 93-104	3	31
270	Electrical energy production and operational strategies from a farm-scale anaerobic batch reactor loaded with rice straw and piggery wastewater. <i>Renewable Energy</i> , <b>2014</b> , 62, 399-406	8.1	16
269	Use of organic substrates as electron donors for biological sulfate reduction in gypsiferous mine soils from Nakhon Si Thammarat (Thailand). <i>Chemosphere</i> , <b>2014</b> , 101, 1-7	8.4	9
268	Removal of from saturated sand columns supplemented with hydrochar produced from maize. <i>Journal of Environmental Quality</i> , <b>2014</b> , 43, 2096-103	3.4	11
267	Chemical sulphate removal for treatment of construction and demolition debris leachate. <i>Environmental Technology (United Kingdom)</i> , <b>2014</b> , 35, 1989-96	2.6	7
266	Biological Sulfate Reduction for Treatment of Gypsum Contaminated Soils, Sediments, and Solid Wastes. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2014</b> , 44, 1037-1070	11.1	13

265	Effect of moisture on disintegration kinetics during anaerobic digestion of complex organic substrates. <i>Waste Management and Research</i> , <b>2014</b> , 32, 40-8	4	18
264	Effect of total solids content on methane and volatile fatty acid production in anaerobic digestion of food waste. <i>Waste Management and Research</i> , <b>2014</b> , 32, 947-53	4	23
263	Effect of calcium on adsorptive removal of As(III) and As(V) by iron oxide-based adsorbents. <i>Environmental Technology (United Kingdom)</i> , <b>2014</b> , 35, 3153-64	2.6	9
262	Hydrodynamic Mathematical Modelling of Aerobic Plug Flow and Nonideal Flow Reactors: A Critical and Historical Review. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2014</b> , 44, 2642-2673	11.1	13
261	Quantification of microbial risks to human health caused by waterborne viruses and bacteria in an urban slum. <i>Journal of Applied Microbiology</i> , <b>2014</b> , 116, 447-63	4.7	83
260	Sorption of cadmium in columns of sand-supported hydrothermally carbonized particles. <i>Water Science and Technology</i> , <b>2014</b> , 69, 2504-9	2.2	4
259	Special issue from G16 conference: chalcogen cycle science and technology. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 269, 1	12.8	
258	Sulfide response analysis for sulfide control using a pS electrode in sulfate reducing bioreactors. <i>Water Research</i> , <b>2014</b> , 50, 48-58	12.5	13
257	Performance Evaluation of Horizontal Subsurface Flow Constructed Wetlands for the Treatment of Domestic Wastewater in the Tropics. <i>Journal of Environmental Engineering, ASCE</i> , <b>2013</b> , 139, 358-367	2	49
256	Exploring the potential for wastewater reuse in agriculture as a climate change adaptation measure for Can Tho City, Vietnam. <i>Agricultural Water Management</i> , <b>2013</b> , 128, 43-54	5.9	37
255	Development of low cost two-step reverse transcription-quantitative polymerase chain reaction assays for rotavirus detection in foul surface water drains. <i>Food and Environmental Virology</i> , <b>2013</b> , 5, 126-33	4	5
254	Cr(III) and Cr(VI) removal from aqueous solutions by cheaply available fruit waste and algal biomass. <i>Applied Biochemistry and Biotechnology</i> , <b>2013</b> , 170, 498-513	3.2	34
253	Effect of Organic Ligands on Copper(II) Removal from Metal Plating Wastewater by Orange Peel-based Biosorbents. <i>Water, Air, and Soil Pollution</i> , <b>2013</b> , 224, 1	2.6	11
252	Metal binding properties of extracellular polymeric substances extracted from anaerobic granular sludges. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 4509-19	5.1	40
251	Assessment of the effluent quality from a gold mining industry in Ghana. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 3799-811	5.1	25
250	Arylamine functionalization of carbon anodes for improved microbial electrocatalysis. <i>RSC Advances</i> , <b>2013</b> , 3, 18759	3.7	9
249	Removal of Cu(II) by biosorption onto coconut shell in fixed-bed column systems. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2013</b> , 19, 841-848	6.3	81
248	Enhanced methane production from rice straw co-digested with anaerobic sludge from pulp and paper mill treatment process. <i>Bioresource Technology</i> , <b>2013</b> , 148, 135-43	11	43

247	A case study of urban water balancing in the partly sewerred city of Nablus-East (Palestine) to study wastewater pollution loads and groundwater pollution. <i>Urban Water Journal</i> , <b>2013</b> , 10, 434-446	2.3	5
246	Reactive transport simulation in a tropical horizontal subsurface flow constructed wetland treating domestic wastewater. <i>Science of the Total Environment</i> , <b>2013</b> , 449, 309-19	10.2	17
245	Performance comparison and economics analysis of waste stabilization ponds and horizontal subsurface flow constructed wetlands treating domestic wastewater: a case study of the Juja sewage treatment works. <i>Journal of Environmental Management</i> , <b>2013</b> , 128, 220-5	7.9	57
244	Biological sulfate removal from gypsum contaminated construction and demolition debris. <i>Journal of Environmental Management</i> , <b>2013</b> , 131, 82-91	7.9	24
243	Application of Quantitative Microbial Risk Assessment to analyze the public health risk from poor drinking water quality in a low income area in Accra, Ghana. <i>Science of the Total Environment</i> , <b>2013</b> , 449, 134-42	10.2	92
242	Catalytic response of microbial biofilms grown under fixed anode potentials depends on electrochemical cell configuration. <i>Chemical Engineering Journal</i> , <b>2013</b> , 230, 532-536	14.7	32
241	First international comparative study of volatile fatty acids in aqueous samples by chromatographic techniques: Evaluating sources of error. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 51, 127-143	14.6	29
240	Climate Change Adaptation Indicators to Assess Wastewater Management and Reuse Options in the Mekong Delta, Vietnam. <i>Water Resources Management</i> , <b>2013</b> , 27, 1175-1191	3.7	14
239	Fluorescence detection to determine proteins and humic-like substances fingerprints of exopolymeric substances (EPS) from biological sludges performed by size exclusion chromatography (SEC). <i>Bioresource Technology</i> , <b>2013</b> , 131, 159-65	11	52
238	Photo-oxygenation to support nitrification in an algal-bacterial consortium treating artificial wastewater. <i>Bioresource Technology</i> , <b>2013</b> , 134, 244-50	11	118
237	Development and start up of a gas-lift anaerobic membrane bioreactor (GI-AnMBR) for conversion of sewage to energy, water and nutrients. <i>Journal of Membrane Science</i> , <b>2013</b> , 441, 158-167	9.6	46
236	The Anaerobic Digestion of Rice Straw: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2013</b> , 43, 895-915	11.1	110
235	Acid Mine Drainage Treatment in Fluidized-Bed Bioreactors by Sulfate-Reducing Bacteria: A Critical Review. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2013</b> , 43, 2545-2580	11.1	72
234	Material selection for a constructed wetroof receiving pre-treated high strength domestic wastewater. <i>Water Science and Technology</i> , <b>2013</b> , 68, 2264-70	2.2	5
233	Genomic copy concentrations of selected waterborne viruses in a slum environment in Kampala, Uganda. <i>Journal of Water and Health</i> , <b>2013</b> , 11, 358-70	2.2	26
232	Cyclic Sorption and Desorption of Cu(II) onto Coconut Shell and Iron Oxide Coated Sand. <i>Separation Science and Technology</i> , <b>2013</b> , 48, 2786-2794	2.5	7
231	Arsenic(III) Removal at Low Concentrations by Biosorption using Phanerochaete chrysosporium Pellets. <i>Separation Science and Technology</i> , <b>2013</b> , 48, 1111-1122	2.5	10
230	Nanotechnology for Water and Wastewater Treatment. <i>Water Intelligence Online</i> , <b>2013</b> , 12,		6

229	Influence of sulfide concentration and macronutrients on the characteristics of metal precipitates relevant to metal recovery in bioreactors. <i>Bioresource Technology</i> , <b>2012</b> , 110, 26-34	11	36
228	Release and conversion of ammonia in bioreactor landfill simulators. <i>Journal of Environmental Management</i> , <b>2012</b> , 95 Suppl, S144-8	7.9	7
227	Hexavalent chromium reduction in a sulfur reducing packed-bed bioreactor. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 219-220, 253-9	12.8	41
226	Use of Gisenyi Volcanic Rock for Adsorptive Removal of Cd(II), Cu(II), Pb(II), and Zn(II) from Wastewater. <i>Water, Air, and Soil Pollution</i> , <b>2012</b> , 223, 533-547	2.6	25
225	Near-shore distribution of heavy metals in the Albanian part of Lake Ohrid. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 1823-39	3.1	13
224	Does bioelectrochemical cell configuration and anode potential affect biofilm response?. <i>Biochemical Society Transactions</i> , <b>2012</b> , 40, 1308-14	5.1	22
223	Enrichment of ANME-1 from Eckernförde Bay sediment on thiosulfate, methane and short-chain fatty acids. <i>Journal of Biotechnology</i> , <b>2012</b> , 157, 482-9	3.7	14
222	Cd(II) and Pb(II) sorption by extracellular polymeric substances (EPS) extracted from anaerobic granular biofilms: Evidence of a pH sorption-edge. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2012</b> , 43, 444-449	5.3	43
221	Design considerations for a farm-scale biogas plant based on pilot-scale anaerobic digesters loaded with rice straw and piggery wastewater. <i>Biomass and Bioenergy</i> , <b>2012</b> , 46, 469-478	5.3	46
220	Heavy metal removal by combining anaerobic upflow packed bed reactors with water hyacinth ponds. <i>Environmental Technology (United Kingdom)</i> , <b>2012</b> , 33, 1455-64	2.6	16
219	Kinetics modelling of Cu(II) biosorption on to coconut shell and Moringa oleifera seeds from tropical regions. <i>Environmental Technology (United Kingdom)</i> , <b>2012</b> , 33, 409-17	2.6	26
218	Removal of gaseous trichloroethylene (TCE) in a composite membrane biofilm reactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2012</b> , 47, 1046-52	2.3	4
217	Simulation of carbon, nitrogen and sulphur conversion in batch-operated experimental wetland mesocosms. <i>Ecological Engineering</i> , <b>2012</b> , 42, 304-315	3.9	38
216	Heavy metal removal in duckweed and algae ponds as a polishing step for textile wastewater treatment. <i>Ecological Engineering</i> , <b>2012</b> , 44, 102-110	3.9	110
215	Microbial community structure and dynamics in anaerobic fluidized-bed and granular sludge-bed reactors: influence of operational temperature and reactor configuration. <i>Microbial Biotechnology</i> , <b>2012</b> , 5, 738-52	6.3	35
214	Leaching and accumulation of trace elements in sulfate reducing granular sludge under concomitant thermophilic and low pH conditions. <i>Bioresource Technology</i> , <b>2012</b> , 126, 238-46	11	16
213	Sustainable sanitation technology options for urban slums. <i>Biotechnology Advances</i> , <b>2012</b> , 30, 964-78	17.8	118
212	Dynamic mathematical modeling of sulfate reducing gas-lift reactors. <i>Process Biochemistry</i> , <b>2012</b> , 47, 2172-2181	4.8	18

211	Organic substrates as electron donors in permeable reactive barriers for removal of heavy metals from acid mine drainage. <i>Environmental Technology (United Kingdom)</i> , <b>2012</b> , 33, 2635-44	2.6	27
210	Oxygen transport within the biofilm matrix of a membrane biofilm reactor treating gaseous toluene. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2012</b> , 87, 751-757	3.5	12
209	The impact of metal transport processes on bioavailability of free and complex metal ions in methanogenic granular sludge. <i>Water Science and Technology</i> , <b>2012</b> , 65, 1875-81	2.2	10
208	Anaerobic Treatment of Organic Sulfate-Rich Wastewaters <b>2011</b> , 399-418		1
207	Biotechnological Aspects of the Use of Methane as Electron Donor for Sulfate Reduction <b>2011</b> , 419-434		5
206	Adapting to socioeconomic, operational and environmental challenges of dairy farm effluent purification in Uruguay through the use of surface flow constructed wetlands. <i>Water Practice and Technology</i> , <b>2011</b> , 6,	0.9	1
205	Transcription of fdh and hyd in Syntrophobacter spp. and Methanospirillum spp. as a diagnostic tool for monitoring anaerobic sludge deprived of molybdenum, tungsten and selenium. <i>Environmental Microbiology</i> , <b>2011</b> , 13, 1228-35	5.2	18
204	Addition of an aerated iron-rich waste-activated sludge to control the soluble sulphide concentration in sewage. <i>Water and Environment Journal</i> , <b>2011</b> , 25, 106-115	1.7	7
203	3D model for a secondary facultative pond. <i>Ecological Modelling</i> , <b>2011</b> , 222, 1592-1603	3	45
202	Fate of Heavy Metals in an Urban Natural Wetland: The Nyabugogo Swamp (Rwanda). <i>Water, Air, and Soil Pollution</i> , <b>2011</b> , 214, 321-333	2.6	34
201	Growth kinetics of hydrogen sulfide oxidizing bacteria in corroded concrete from sewers. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 189, 685-91	12.8	29
200	Biosorption of Cu(II) onto agricultural materials from tropical regions. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2011</b> , 86, 1184-1194	3.5	22
199	Sulfate Reduction for Inorganic Waste and Process Water Treatment <b>2011</b> , 435-446		9
198	Reactions between methanethiol and biologically produced sulfur particles. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 1320-6	10.3	29
197	Combined speciation analysis by X-ray absorption near-edge structure spectroscopy, ion chromatography, and solid-phase microextraction gas chromatography-mass spectrometry to evaluate biotreatment of concentrated selenium wastewaters. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 1067-73	10.3	22
196	The effect of electro-dialytic treatment and Na <sub>2</sub> H <sub>2</sub> EDTA addition on methanogenic activity of copper-amended anaerobic granular sludge: treatment costs and energy consumption. <i>Bioresource Technology</i> , <b>2011</b> , 102, 5541-4	11	2
195	Effect of sulfide concentration on the location of the metal precipitates in inversed fluidized bed reactors. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 192, 200-7	12.8	51
194	Biofilms for environmental biotechnology in support of sustainable development: a report. <i>Virulence</i> , <b>2011</b> , 2, 478-9	4.7	4

193	Prevention of biofilm formation in water and wastewater installations by application of TiO <sub>2</sub> nano particles coating. <i>Desalination and Water Treatment</i> , <b>2011</b> , 28, 83-87		4
192	Trace methane oxidation and the methane dependency of sulfate reduction in anaerobic granular sludge. <i>FEMS Microbiology Ecology</i> , <b>2010</b> , 72, 261-71	4.3	24
191	Quantitative Microbial Risk Analysis to evaluate health effects of interventions in the urban water system of Accra, Ghana. <i>Journal of Water and Health</i> , <b>2010</b> , 8, 417-30	2.2	50
190	Effect of substrate feeding on viscosity evolution of anaerobic granular sludges. <i>Water Science and Technology</i> , <b>2010</b> , 62, 132-9	2.2	1
189	Gas-lift Anaerobic Membrane Bioreactor (Gl-AnMBR): Preliminary Results From a Filterability Assessment. <i>Proceedings of the Water Environment Federation</i> , <b>2010</b> , 2010, 191-207		
188	Characterization of the mineral fraction associated to extracellular polymeric substances (EPS) in anaerobic granular sludges. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 412-8	10.3	69
187	Divalent metal addition restores sulfide-inhibited N(2)O reduction in <i>Pseudomonas aeruginosa</i> . <i>Nitric Oxide - Biology and Chemistry</i> , <b>2010</b> , 23, 101-5	5	13
186	Duckweed and Algae Ponds as a Post-Treatment for Metal Removal from Textile Wastewater <b>2010</b> , 63-75		1
185	Extraction of extracellular polymeric substances (EPS) from anaerobic granular sludges: comparison of chemical and physical extraction protocols. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 85, 1589-99	5.7	196
184	Effect of methanogenic substrates on anaerobic oxidation of methane and sulfate reduction by an anaerobic methanotrophic enrichment. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 1499-506	5.7	46
183	Effects of extraction procedures on metal binding properties of extracellular polymeric substances (EPS) from anaerobic granular sludges. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 80, 161-8	6	51
182	The effect of sub-optimal temperature on specific sulfidogenic activity of mesophilic SRB in an H <sub>2</sub> -fed membrane bioreactor. <i>Process Biochemistry</i> , <b>2010</b> , 45, 363-368	4.8	8
181	Zn/Ni sulfide selective precipitation: The role of supersaturation. <i>Separation and Purification Technology</i> , <b>2010</b> , 74, 108-118	8.3	39
180	Effect of sorption kinetics on nickel toxicity in methanogenic granular sludge. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 180, 289-96	12.8	8
179	Removal of estrone, 17alpha-ethinylestradiol, and 17beta-estradiol in algae and duckweed-based wastewater treatment systems. <i>Environmental Science and Pollution Research</i> , <b>2010</b> , 17, 824-33	5.1	121
178	Biotechnological aspects of sulfate reduction with methane as electron donor. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2010</b> , 9, 59-78	13.9	24
177	Selection of sustainable sanitation technologies for urban slums--a case of Bwaise III in Kampala, Uganda. <i>Science of the Total Environment</i> , <b>2010</b> , 409, 52-62	10.2	70
176	Sulfate reduction at pH 4.0 for treatment of process and wastewaters. <i>Biotechnology Progress</i> , <b>2010</b> , 26, 1029-37	2.8	23

175	Removal of heavy metals and cyanide from gold mine wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2010</b> , 85, 590-613	3.5	137
174	Sulfate reduction during the acidification of sucrose at pH 5 under thermophilic (55 degrees C) conditions. I: effect of trace metals. <i>Bioresource Technology</i> , <b>2010</b> , 101, 4269-77	11	11
173	Sulfate reduction during the acidification of sucrose at pH 5 under thermophilic (55 degrees C) conditions. II: effect of sulfide and COD/SO(2-)(4) ratio. <i>Bioresource Technology</i> , <b>2010</b> , 101, 4278-84	11	30
172	Effect of vitamin B12 pulse addition on the performance of cobalt deprived anaerobic granular sludge bioreactors. <i>Bioresource Technology</i> , <b>2010</b> , 101, 5201-5	11	8
171	Dosing of anaerobic granular sludge bioreactors with cobalt: impact of cobalt retention on methanogenic activity. <i>Bioresource Technology</i> , <b>2010</b> , 101, 9429-37	11	20
170	Chalcogen cycle science and technology. Preface. <i>Environmental Technology (United Kingdom)</i> , <b>2009</b> , 30, 1227	2.6	
169	Monitoring ZnS Precipitation: Estimation, Error Analysis and Experiment Design. <i>Separation Science and Technology</i> , <b>2009</b> , 44, 1675-1703	2.5	1
168	Sulfur K-edge XANES spectroscopy as a tool for understanding sulfur chemical state in anaerobic granular sludge. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 190, 012184	0.3	9
167	Endogenous and bioaugmented sulphate reduction in calcareous gypsiferous soils. <i>Environmental Technology (United Kingdom)</i> , <b>2009</b> , 30, 1305-12	2.6	4
166	The essential toxin: the changing perception of selenium in environmental sciences. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 3620-33	10.2	268
165	Application of bacteria involved in the biological sulfur cycle for paper mill effluent purification. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 1333-43	10.2	107
164	Metal supplementation to UASB bioreactors: from cell-metal interactions to full-scale application. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 3652-67	10.2	97
163	Low-frequency ultrasound in biotechnology: state of the art. <i>Trends in Biotechnology</i> , <b>2009</b> , 27, 298-306	15.1	247
162	Removal of H <sub>2</sub> S and volatile organic sulfur compounds by silicone membrane extraction. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2009</b> , 84, 69-77	3.5	11
161	Enrichment of anaerobic methanotrophs in sulfate-reducing membrane bioreactors. <i>Biotechnology and Bioengineering</i> , <b>2009</b> , 104, 458-70	4.9	72
160	Effect of the sulfide concentration on zinc bio-precipitation in a single stage sulfidogenic bioreactor at pH 5.5. <i>Separation and Purification Technology</i> , <b>2009</b> , 69, 243-248	8.3	19
159	Biotechniques for air pollution control (biotechniques 2009). <i>Reviews in Environmental Science and Biotechnology</i> , <b>2009</b> , 8, 321-323	13.9	
158	Population dynamics of a single-stage sulfidogenic bioreactor treating synthetic zinc-containing waste streams. <i>Microbial Ecology</i> , <b>2009</b> , 58, 529-37	4.4	11

157	Bioaugmentation of UASB reactors with immobilized <i>Sulfurospirillum barnesii</i> for simultaneous selenate and nitrate removal. <i>Applied Microbiology and Biotechnology</i> , <b>2009</b> , 83, 377-88	5.7	54
156	Microbial diversity and community structure of a highly active anaerobic methane-oxidizing sulfate-reducing enrichment. <i>Environmental Microbiology</i> , <b>2009</b> , 11, 3223-32	5.2	34
155	Evaluation of size exclusion chromatography (SEC) for the characterization of extracellular polymeric substances (EPS) in anaerobic granular sludges. <i>Bioresource Technology</i> , <b>2009</b> , 100, 6258-68	11	40
154	Decreased activity of a propionate degrading community in a UASB reactor fed with synthetic medium without molybdenum, tungsten and selenium. <i>Enzyme and Microbial Technology</i> , <b>2009</b> , 45, 139-145	3.8	48
153	Selective precipitation of Cu from Zn in a pS controlled continuously stirred tank reactor. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 165, 256-65	12.8	77
152	Magnetic resonance microscopy of iron transport in methanogenic granules. <i>Journal of Magnetic Resonance</i> , <b>2009</b> , 200, 303-12	3	12
151	Effects of physico-chemical factors on the viscosity evolution of anaerobic granular sludge. <i>Biochemical Engineering Journal</i> , <b>2009</b> , 43, 231-238	4.2	37
150	User-Friendly Mathematical Model for the Design of Sulfate Reducing H <sub>2</sub> O <sub>2</sub> Fed Bioreactors. <i>Journal of Environmental Engineering, ASCE</i> , <b>2009</b> , 135, 167-175	2	11
149	Acceleration of the Fe(III)EDTA(-) reduction rate in BioDeNO(x) reactors by dosing electron mediating compounds. <i>Chemosphere</i> , <b>2009</b> , 75, 243-9	8.4	29
148	Selective recovery of nickel over iron from a nickel-iron solution using microbial sulfate reduction in a gas-lift bioreactor. <i>Water Research</i> , <b>2009</b> , 43, 853-61	12.5	43
147	Effect of environmental conditions on sulfate reduction with methane as electron donor by an Eckemfide Bay enrichment. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 6553-9	10.3	44
146	Low Temperature Sulfate Reduction for AMD Treatment. <i>Advanced Materials Research</i> , <b>2009</b> , 71-73, 553-556	5.5	56
145	Hydrogen sulphide removal from corroding concrete: comparison between surface removal rates and biomass activity. <i>Environmental Technology (United Kingdom)</i> , <b>2009</b> , 30, 1291-6	2.6	5
144	Biological Production of Selenium Nanoparticles from Waste Waters. <i>Advanced Materials Research</i> , <b>2009</b> , 71-73, 721-724	0.5	10
143	Sulfate Reduction at pH 5 in a High-Rate Membrane Bioreactor: Reactor Performance and Microbial Community Analyses. <i>Journal of Microbiology and Biotechnology</i> , <b>2009</b> ,	3.3	8
142	Sulfate reduction at pH 5 in a high-rate membrane bioreactor: reactor performance and microbial community analyses. <i>Journal of Microbiology and Biotechnology</i> , <b>2009</b> , 19, 698-708	3.3	15
141	Selenate removal in methanogenic and sulfate-reducing upflow anaerobic sludge bed reactors. <i>Water Research</i> , <b>2008</b> , 42, 2184-94	12.5	111
140	High rate sulfate reduction at pH 6 in a pH-auxostat submerged membrane bioreactor fed with formate. <i>Water Research</i> , <b>2008</b> , 42, 2439-48	12.5	25

139	Selenium oxyanion inhibition of hydrogenotrophic and acetoclastic methanogenesis. <i>Chemosphere</i> , <b>2008</b> , 73, 383-8	8.4	29
138	Selenium speciation assessed by X-ray absorption spectroscopy of sequentially extracted anaerobic biofilms. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 7587-93	10.3	34
137	On-line estimation of the dissolved zinc concentration during ZnS precipitation in a continuous stirred tank reactor (CSTR). <i>Water Science and Technology</i> , <b>2008</b> , 57, 1627-33	2.2	
136	Biological alkylation and colloid formation of selenium in methanogenic UASB reactors. <i>Journal of Environmental Quality</i> , <b>2008</b> , 37, 1691-700	3.4	34
135	Supplementation of cobalt to UASB reactors by pulse dosing: CoCl <sub>2</sub> versus CoEDTA <sub>2</sub> pulses. <i>Biochemical Engineering Journal</i> , <b>2008</b> , 42, 111-119	4.2	21
134	Modelling and on-line estimation of zinc sulphide precipitation in a continuously stirred tank reactor. <i>Separation and Purification Technology</i> , <b>2008</b> , 63, 654-660	8.3	11
133	Role of nickel in high rate methanol degradation in anaerobic granular sludge bioreactors. <i>Biodegradation</i> , <b>2008</b> , 19, 725-37	4.1	34
132	Zinc deprivation of methanol fed anaerobic granular sludge bioreactors. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2008</b> , 35, 543-57	4.2	12
131	Cobalt toxicity in anaerobic granular sludge: influence of chemical speciation. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2008</b> , 35, 1465-74	4.2	38
130	Acidification of methanol-fed anaerobic granular sludge bioreactors by cobalt deprivation: Induction and microbial community dynamics. <i>Biotechnology and Bioengineering</i> , <b>2008</b> , 99, 49-58	4.9	35
129	Nitric oxide reduction in BioDeNO <sub>x</sub> reactors: kinetics and mechanism. <i>Biotechnology and Bioengineering</i> , <b>2008</b> , 100, 1099-107	4.9	27
128	Anaerobic methanethiol degradation and methanogenic community analysis in an alkaline (pH 10) biological process for liquefied petroleum gas desulfurization. <i>Biotechnology and Bioengineering</i> , <b>2008</b> , 101, 691-701	4.9	22
127	Sulfate reduction at pH 4 during the thermophilic (55 degrees C) acidification of sucrose in UASB reactors. <i>Biotechnology Progress</i> , <b>2008</b> , 24, 1278-89	2.8	3
126	Influence of low pH (6, 5 and 4) on nutrient dynamics and characteristics of acidifying sulfate reducing granular sludge. <i>Process Biochemistry</i> , <b>2008</b> , 43, 1227-1238	4.8	19
125	Methanethiol degradation in anaerobic bioreactors at elevated pH (8): reactor performance and microbial community analysis. <i>Bioresource Technology</i> , <b>2008</b> , 99, 8967-73	11	22
124	Comparison of CSTR and UASB reactor configuration for the treatment of sulfate rich wastewaters under acidifying conditions. <i>Enzyme and Microbial Technology</i> , <b>2008</b> , 43, 471-479	3.8	17
123	Effect of sulfide removal on sulfate reduction at pH 5 in a hydrogen fed gas-lift bioreactor. <i>Journal of Microbiology and Biotechnology</i> , <b>2008</b> , 18, 1809-18	3.3	32
122	Bioprocess Engineering of Sulfate Reduction for Environmental Technology <b>2008</b> , 285-295		3

121	Developments and constraints in fermentative hydrogen production. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2007</b> , 1, 201-214	5.3	76
120	Anaerobic methanethiol degradation in upflow anaerobic sludge bed reactors at high salinity (> or =0.5 M Na(+)). <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 98, 91-100	4.9	6
119	Combined removal of sulfur compounds and nitrate by autotrophic denitrification in bioaugmented activated sludge system. <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 98, 551-60	4.9	92
118	Effect of sulfate and iron on physico-chemical characteristics of anaerobic granular sludge. <i>Biochemical Engineering Journal</i> , <b>2007</b> , 33, 168-177	4.2	14
117	Effect of Na <sup>+</sup> and Ca <sup>2+</sup> on the aggregation properties of sieved anaerobic granular sludge. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 306, 142-149	5.1	51
116	Identification of rheological parameters describing the physico-chemical properties of anaerobic sulphidogenic sludge suspensions. <i>Enzyme and Microbial Technology</i> , <b>2007</b> , 40, 547-554	3.8	18
115	Low pH (6, 5 and 4) sulfate reduction during the acidification of sucrose under thermophilic (55 °C) conditions. <i>Process Biochemistry</i> , <b>2007</b> , 42, 580-591	4.8	29
114	Bonding Form Analysis of Metals and Sulfur Fractionation in Methanol-Grown Anaerobic Granular Sludge. <i>Engineering in Life Sciences</i> , <b>2007</b> , 7, 480-489	3.4	27
113	H <sub>2</sub> enrichment from synthesis gas by <i>Desulfotomaculum carboxydivorans</i> for potential applications in synthesis gas purification and biodesulfurization. <i>Applied Microbiology and Biotechnology</i> , <b>2007</b> , 76, 339-47	5.7	6
112	Mathematical model for sizing combined nitrification and pre-denitrification activated sludge systems. <i>Environmental Technology (United Kingdom)</i> , <b>2007</b> , 28, 391-9	2.6	5
111	Sulfate Reduction under Acidic Conditions in High Rate Bioreactor Systems for Treatment of Mining and Metallurgical Waste and Process Water. <i>Advanced Materials Research</i> , <b>2007</b> , 20-21, 324-325	0.5	2
110	Effect of hydraulic retention time on sulfate reduction in a carbon monoxide fed thermophilic gas lift reactor. <i>Water Research</i> , <b>2007</b> , 41, 1995-2003	12.5	27
109	Effect of COD/SO <sub>4</sub> (2-) ratio and sulfide on thermophilic (55 degrees C) sulfate reduction during the acidification of sucrose at pH 6. <i>Water Research</i> , <b>2007</b> , 41, 2379-92	12.5	35
108	Selenium Speciation in Biofilms from Granular Sludge Bed Reactors Used for Wastewater Treatment. <i>AIP Conference Proceedings</i> , <b>2007</b> ,	0	9
107	Hydrogenogenic CO conversion in a moderately thermophilic (55 degrees C) sulfate-fed gas lift reactor: competition for CO-derived H <sub>2</sub> . <i>Biotechnology Progress</i> , <b>2006</b> , 22, 1327-34	2.8	12
106	NO removal in continuous BioDeNO <sub>x</sub> reactors: Fe(II)EDTA <sup>2-</sup> regeneration, biomass growth, and EDTA degradation. <i>Biotechnology and Bioengineering</i> , <b>2006</b> , 94, 575-84	4.9	38
105	Induction of cobalt limitation in methanol-fed UASB reactors. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2006</b> , 81, 1486-1495	3.5	22
104	Degradation of methanethiol by methylotrophic methanogenic archaea in a lab-scale upflow anaerobic sludge blanket reactor. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 7540-7	4.8	56

103	Simultaneous biological removal of sulphide and nitrate by autotrophic denitrification in an activated sludge system. <i>Water Science and Technology</i> , <b>2006</b> , 53, 91-9	2.2	30
102	Dynamic Modelling and Process Control of ZnS Precipitation. <i>Separation Science and Technology</i> , <b>2006</b> , 41, 1025-1042	2.5	12
101	Selenium speciation in anaerobic granular sludge. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2006</b> , 86, 615-627	1.8	31
100	Cobalt sorption onto anaerobic granular sludge: isotherm and spatial localization analysis. <i>Journal of Biotechnology</i> , <b>2006</b> , 121, 227-40	3.7	29
99	Microbial fuel cells for sulfide removal. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 5218-24	10.3	321
98	Microbial CO conversions with applications in synthesis gas purification and bio-desulfurization. <i>Critical Reviews in Biotechnology</i> , <b>2006</b> , 26, 41-65	9.4	85
97	Effect of sulfur compounds on biological reduction of nitric oxide in aqueous Fe(II)EDTA <sup>2-</sup> solutions. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2006</b> , 15, 40-9	5	42
96	Effect of copper dosing on sulfide inhibited reduction of nitric and nitrous oxide. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2006</b> , 15, 400-7	5	24
95	Bioconversion of selenate in methanogenic anaerobic granular sludge. <i>Journal of Environmental Quality</i> , <b>2006</b> , 35, 1873-83	3.4	39
94	Granular sludge in full-scale anaerobic bioreactors: Trace element content and deficiencies. <i>Enzyme and Microbial Technology</i> , <b>2006</b> , 39, 337-346	3.8	47
93	Viscosity evolution of anaerobic granular sludge. <i>Biochemical Engineering Journal</i> , <b>2006</b> , 27, 315-322	4.2	56
92	Use of biogenic sulfide for ZnS precipitation. <i>Separation and Purification Technology</i> , <b>2006</b> , 51, 31-39	8.3	52
91	Volatile organic sulfur compounds in anaerobic sludge and sediments: biodegradation and toxicity. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 3101-9	3.8	38
90	Trace Metals in Anaerobic Granular Sludge Reactors: Bioavailability and Dosing Strategies. <i>Engineering in Life Sciences</i> , <b>2006</b> , 6, 293-301	3.4	120
89	Electrokinetic Copper and Iron Migration in Anaerobic Granular Sludge. <i>Water, Air, and Soil Pollution</i> , <b>2006</b> , 177, 147-168	2.6	5
88	Dispersed plug flow model for upflow anaerobic sludge bed reactors with focus on granular sludge dynamics. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2006</b> , 33, 221-37	4.2	29
87	Effect of sulfur source on the performance and metal retention of methanol-fed UASB reactors. <i>Biotechnology Progress</i> , <b>2005</b> , 21, 839-50	2.8	14
86	Cultivation of high-rate sulfate reducing sludge by pH-based electron donor dosage. <i>Journal of Biotechnology</i> , <b>2005</b> , 118, 107-16	3.7	18

85	Enzymatic versus nonenzymatic conversions during the reduction of EDTA-chelated Fe(III) in BioDeNOx reactors. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 2616-23	10.3	44
84	Sorption of cobalt and nickel on anaerobic granular sludges: isotherms and sequential extraction. <i>Chemosphere</i> , <b>2005</b> , 58, 493-505	8.4	76
83	Copper and trace element fractionation in electrokinetically treated methanogenic anaerobic granular sludge. <i>Environmental Pollution</i> , <b>2005</b> , 138, 517-28	9.3	37
82	Sulfide-iron interactions in domestic wastewater from a gravity sewer. <i>Water Research</i> , <b>2005</b> , 39, 2747-55	12.5	120
81	Comparison of three sequential extraction procedures to describe metal fractionation in anaerobic granular sludges. <i>Talanta</i> , <b>2005</b> , 65, 549-58	6.2	107
80	NOx removal from flue gas by an integrated physicochemical absorption and biological denitrification process. <i>Biotechnology and Bioengineering</i> , <b>2005</b> , 90, 433-41	4.9	43
79	High rate sulfate reduction in a submerged anaerobic membrane bioreactor (SAMBaR) at high salinity. <i>Journal of Membrane Science</i> , <b>2005</b> , 253, 217-232	9.6	98
78	Influence of pH shocks on trace metal dynamics and performance of methanol fed granular sludge bioreactors. <i>Biodegradation</i> , <b>2005</b> , 16, 549-67	4.1	20
77	Developments in Bioremediation of Soils and Sediments Polluted with Metals and Radionuclides □ 1. Microbial Processes and Mechanisms Affecting Bioremediation of Metal Contamination and Influencing Metal Toxicity and Transport. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2005</b> , 4, 115-156	13.9	155
76	Developments in Bioremediation of Soils and Sediments Polluted with Metals and Radionuclides. 3. Influence of Chemical Speciation and Bioavailability on Contaminants Immobilization/Mobilization Bio-processes. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2005</b> , 4, 185-212	13.9	46
75	Desulfotomaculum carboxydivorans sp. nov., a novel sulfate-reducing bacterium capable of growth at 100% CO. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2005</b> , 55, 2159-2165	2.2	88
74	Effects of aerobic/anaerobic transient conditions on sulfur and metal cycles in sewer biofilms. <i>Biofilms</i> , <b>2005</b> , 2, 81-91		10
73	Effect of cobalt sorption on metal fractionation in anaerobic granular sludge. <i>Journal of Environmental Quality</i> , <b>2004</b> , 33, 1256-70	3.4	40
72	Thermophilic (55-65 degrees C) and extreme thermophilic (70-80 degrees C) sulfate reduction in methanol and formate-fed UASB reactors. <i>Biotechnology Progress</i> , <b>2004</b> , 20, 1382-92	2.8	22
71	Effect of carbon monoxide, hydrogen and sulfate on thermophilic (55 degrees C) hydrogenogenic carbon monoxide conversion in two anaerobic bioreactor sludges. <i>Applied Microbiology and Biotechnology</i> , <b>2004</b> , 64, 421-8	5.7	44
70	High-rate sulfate reduction at high salinity (up to 90 mS.cm(-1)) in mesophilic UASB reactors. <i>Biotechnology and Bioengineering</i> , <b>2004</b> , 86, 226-35	4.9	34
69	Stimulation of methanol degradation in UASB reactors: in situ versus pre-loading cobalt on anaerobic granular sludge. <i>Biotechnology and Bioengineering</i> , <b>2004</b> , 87, 897-904	4.9	29
68	Denitrification in aqueous FeEDTA solutions. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2004</b> , 79, 835-841	3.5	37

67	Nickel and cobalt sorption on anaerobic granular sludges: kinetic and equilibrium studies. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2004</b> , 79, 1219-1227	3.5	41
66	Anaerobic sludge granulation. <i>Water Research</i> , <b>2004</b> , 38, 1376-89	12.5	452
65	Thermophilic (55 degrees C) conversion of methanol in methanogenic-UASB reactors: influence of sulphate on methanol degradation and competition. <i>Journal of Biotechnology</i> , <b>2004</b> , 111, 79-88	3.7	23
64	Biological reduction of nitric oxide in aqueous Fe(II)EDTA solutions. <i>Biotechnology Progress</i> , <b>2003</b> , 19, 1323-8	2.8	67
63	Extension of Anaerobic Digestion Model No. 1 with processes of sulfate reduction. <i>Applied Biochemistry and Biotechnology</i> , <b>2003</b> , 109, 33-45	3.2	81
62	Use of sulfate reducing cell suspension bioreactors for the treatment of SO <sub>2</sub> rich flue gases. <i>Biodegradation</i> , <b>2003</b> , 14, 229-40	4.1	24
61	Metal immobilisation by biofilms: Mechanisms and analytical tools. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2003</b> , 2, 9-33	13.9	170
60	Long-term adaptation of methanol-fed thermophilic (55 degrees C) sulfate-reducing reactors to NaCl. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2003</b> , 30, 375-82	4.2	12
59	Effect of sulfate on methanol degradation in thermophilic (55°C) methanogenic UASB reactors. <i>Enzyme and Microbial Technology</i> , <b>2003</b> , 32, 676-687	3.8	40
58	Methanol degradation in granular sludge reactors at sub-optimal metal concentrations: role of iron, nickel and cobalt. <i>Enzyme and Microbial Technology</i> , <b>2003</b> , 33, 190-198	3.8	45
57	Effect of the sludge retention time on H <sub>2</sub> utilization in a sulphate reducing gas-lift reactor. <i>Process Biochemistry</i> , <b>2003</b> , 39, 491-498	4.8	29
56	Carbon monoxide conversion by anaerobic bioreactor sludges. <i>FEMS Microbiology Ecology</i> , <b>2003</b> , 44, 271-273	4.3	62
55	Effect of specific gas loading rate on thermophilic (55 degrees C) acidifying (pH 6) and sulfate reducing granular sludge reactors. <i>Water Research</i> , <b>2003</b> , 37, 1033-47	12.5	42
54	Effect of NaCl on thermophilic (55 degrees C) methanol degradation in sulfate reducing granular sludge reactors. <i>Water Research</i> , <b>2003</b> , 37, 2269-80	12.5	71
53	Effects of trace element addition on volatile fatty acid conversions in anaerobic granular sludge reactors. <i>Environmental Technology (United Kingdom)</i> , <b>2003</b> , 24, 573-87	2.6	36
52	Diffusional properties of methanogenic granular sludge: 1H NMR characterization. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 6644-9	4.8	22
51	Sulfidogenic volatile fatty acid degradation in a baffled reactor. <i>Water Science and Technology</i> , <b>2003</b> , 48, 81-8	2.2	1
50	Effect of nickel deprivation on methanol degradation in a methanogenic granular sludge bioreactor. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2002</b> , 29, 268-74	4.2	27

49	Effect of long-term cobalt deprivation on methanol degradation in a methanogenic granular sludge bioreactor. <i>Biotechnology Progress</i> , <b>2002</b> , 18, 1233-9	2.8	32
48	Perspectives of sulfate reducing bioreactors in environmental biotechnology. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2002</b> , 1, 311-325	13.9	74
47	Effect of high salinity on the fate of methanol during the start-up of thermophilic (55 degrees C) sulfate reducing reactors. <i>Water Science and Technology</i> , <b>2002</b> , 45, 121-6	2.2	5
46	Introduction. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2001</b> , 26, 1	4.2	9
45	Cluster structure of anaerobic aggregates of an expanded granular sludge bed reactor. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 3683-92	4.8	103
44	Effect of the liquid upflow velocity on thermophilic sulphate reduction in acidifying granular sludge reactors. <i>Environmental Technology (United Kingdom)</i> , <b>2001</b> , 22, 183-93	2.6	14
43	Use of hydrophobic membranes to supply hydrogen to sulphate reducing bioreactors. <i>Biodegradation</i> , <b>2000</b> , 11, 295-303	4.1	17
42	Effect of nitrate on acetate degradation in a sulfidogenic staged reactor. <i>Water Research</i> , <b>2000</b> , 34, 31-42.5	4.2	14
41	Distribution of sulfate-reducing and methanogenic bacteria in anaerobic aggregates determined by microsensor and molecular analyses. <i>Applied and Environmental Microbiology</i> , <b>1999</b> , 65, 4618-29	4.8	118
40	Thermophilic sulphate reduction in upflow anaerobic sludge bed reactors under acidifying conditions. <i>Process Biochemistry</i> , <b>1999</b> , 35, 509-522	4.8	28
39	Kinetics of fatty acid degradation by psychrophilically grown anaerobic granular sludge. <i>Bioresource Technology</i> , <b>1999</b> , 69, 241-248	11	26
38	Psychrophilic anaerobic treatment of low strength wastewaters. <i>Water Science and Technology</i> , <b>1999</b> , 39, 203	2.2	24
37	H nmr characterisation of the diffusional properties of methanogenic granular sludge. <i>Water Science and Technology</i> , <b>1999</b> , 39, 187	2.2	12
36	Anaerobic treatment of sulphate-rich wastewaters. <i>Biodegradation</i> , <b>1998</b> , 9, 213-24	4.1	167
35	Nuclear magnetic resonance in environmental engineering: principles and applications. <i>Biodegradation</i> , <b>1998</b> , 9, 393-409	4.1	24
34	Mathematical modelling as a tool to study population dynamics between sulfate reducing and methanogenic bacteria. <i>Biodegradation</i> , <b>1998</b> , 9, 187-99	4.1	55
33	Contribution of 13C-NMR spectroscopy to the elucidation of pathways of propionate formation and degradation in methanogenic environments. <i>Biodegradation</i> , <b>1998</b> , 9, 463-473	4.1	30
32	13C-NMR study of propionate metabolism by sludges from bioreactors treating sulfate and sulfide rich wastewater. <i>Biodegradation</i> , <b>1998</b> , 9, 179-86	4.1	12

31	Psychrophilic (6-15 degreesC) high-rate anaerobic treatment of malting wastewater in a two-module expanded granular sludge bed system. <i>Biotechnology Progress</i> , <b>1998</b> , 14, 856-64	2.8	24
30	Characterization of the diffusive properties of biofilms using pulsed field gradient-nuclear magnetic resonance. <i>Biotechnology and Bioengineering</i> , <b>1998</b> , 60, 283-91	4.9	52
29	LONG-TERM COMPETITION BETWEEN SULPHATE-REDUCING AND METHANE-PRODUCING BACTERIA DURING FULL-SCALE ANAEROBIC TREATMENT OF CITRIC ACID PRODUCTION WASTEWATER. <i>Water Research</i> , <b>1998</b> , 32, 815-825	12.5	89
28	Effect of staging on volatile fatty acid degradation in a sulfidogenic granular sludge reactor. <i>Water Research</i> , <b>1998</b> , 32, 1178-1192	12.5	61
27	Biotechnological Treatment of Sulfate-Rich Wastewaters. <i>Critical Reviews in Environmental Science and Technology</i> , <b>1998</b> , 28, 41-88	11.1	355
26	Treatment of Waste Gases Contaminated with Odorous Sulfur Compounds. <i>Critical Reviews in Environmental Science and Technology</i> , <b>1998</b> , 28, 89-117	11.1	168
25	Solid-State Reduced Sulfur Compounds: Environmental Aspects and Bio-Remediation. <i>Critical Reviews in Environmental Science and Technology</i> , <b>1998</b> , 28, 1-40	11.1	22
24	Use of <sup>1</sup> H NMR to study transport processes in sulfidogenic granular sludge. <i>Water Science and Technology</i> , <b>1997</b> , 36, 157-163	2.2	21
23	Anaerobic treatment of partly acidified wastewater in a two-stage expanded granular sludge bed (EGSB) system at 8°C. <i>Water Science and Technology</i> , <b>1997</b> , 36, 317-324	2.2	74
22	Use of <sup>1</sup> H nmr to study transport processes in sulfidogenic granular sludge. <i>Water Science and Technology</i> , <b>1997</b> , 36, 157	2.2	4
21	Anaerobic treatment of partly acidified wastewater in a two-stage expanded granular sludge bed (egsb) system at 8°C. <i>Water Science and Technology</i> , <b>1997</b> , 36, 317	2.2	29
20	Effect of feed composition and upflow velocity on aggregate characteristics in anaerobic upflow reactors. <i>Applied Microbiology and Biotechnology</i> , <b>1997</b> , 47, 102-107	5.7	51
19	Effect of the inoculation with <i>Desulforhabdus amnigenus</i> and pH or O <sub>2</sub> shocks on the competition between sulphate reducing and methanogenic bacteria in an acetate fed UASB reactor. <i>Bioresource Technology</i> , <b>1997</b> , 60, 113-122	11	29
18	Characterization of biomass from a sulfidogenic, volatile fatty acid-degrading granular sludge reactor. <i>Enzyme and Microbial Technology</i> , <b>1997</b> , 20, 229-236	3.8	31
17	Performance of a sulfide-oxidizing expanded-bed reactor supplied with dissolved oxygen. <i>Biotechnology and Bioengineering</i> , <b>1997</b> , 53, 32-40	4.9	86
16	Distribution of extracellular polysaccharides and flotation of anaerobic sludge. <i>Applied Microbiology and Biotechnology</i> , <b>1996</b> , 46, 197-201	5.7	64
15	Use of anaerobic hybrid reactors for treatment of synthetic pharmaceutical wastewaters containing organic solvents. <i>Journal of Chemical Technology and Biotechnology</i> , <b>1996</b> , 66, 251-264	3.5	31
14	Propionate degradation by mesophilic anaerobic sludge: Degradation pathways and effects of other volatile fatty acids. <i>Journal of Bioscience and Bioengineering</i> , <b>1996</b> , 82, 387-391		15

13	Effect of upward velocity and sulphide concentration on volatile fatty acid degradation in a sulphidogenic granular sludge reactor. <i>Process Biochemistry</i> , <b>1996</b> , 31, 699-710	4.8	110
12	Anaerobic bioprocessing of organic wastes. <i>World Journal of Microbiology and Biotechnology</i> , <b>1996</b> , 12, 221-38	4.4	56
11	Isomerization of butyrate to isobutyrate by <i>Desulforhabdus amnigenus</i> . <i>FEMS Microbiology Letters</i> , <b>1996</b> , 142, 237-241	2.9	9
10	Anaerobic treatment of sulphate-containing waste streams. <i>Antonie Van Leeuwenhoek</i> , <b>1995</b> , 67, 29-46	2.1	193
9	The use of microsensors to determine population distributions in uasb aggregates. <i>Water Science and Technology</i> , <b>1995</b> , 31, 273	2.2	13
8	The use of microsensors to determine population distributions in UASB aggregates. <i>Water Science and Technology</i> , <b>1995</b> , 31, 273-280	2.2	47
7	Effect of sulfate concentration and scraping on aerobic fixed biofilm reactors. <i>Water Research</i> , <b>1995</b> , 29, 857-870	12.5	13
6	Sulfate reducing and methane producing bacteria in aerobic wastewater treatment systems. <i>Water Research</i> , <b>1995</b> , 29, 871-880	12.5	75
5	Mass transfer limitation of sulfate in methanogenic aggregates. <i>Biotechnology and Bioengineering</i> , <b>1994</b> , 44, 387-91	4.9	32
4	Direct treatment of domestic wastewater by percolation over peat, bark and woodchips. <i>Water Research</i> , <b>1994</b> , 28, 17-26	12.5	63
3	Heterogeneous Distribution of Microbial Activity in Methanogenic Aggregates: pH and Glucose Microprofiles. <i>Applied and Environmental Microbiology</i> , <b>1993</b> , 59, 3803-15	4.8	52
2	Bioprocess engineering of sulphate reduction for environmental technology 383-404		6
1	Enhanced anaerobic digestion of dairy wastewater in a granular activated carbon amended sequential batch reactor. <i>GCB Bioenergy</i> ,	5.6	2