

Simona Rossetti

List of Publications by Year in descending order

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171
papers

6,499
citations

66234

42
h-index

85405

71
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177
all docs

177
docs citations

177
times ranked

6030
citing authors

#	ARTICLE	IF	CITATIONS
1	Water and soil contaminated by arsenic: the use of microorganisms and plants in bioremediation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 9462-9489.	2.7	6
2	Coupled Adsorption and Biodegradation of Trichloroethylene on Biochar from Pine Wood Wastes: A Combined Approach for a Sustainable Bioremediation Strategy. <i>Microorganisms</i> , 2022, 10, 101.	1.6	10
3	Enhancing the biological reductive dechlorination of trichloroethylene with PHA from mixed microbial cultures (MMC). <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107047.	3.3	12
4	Coupling of bioelectrochemical toluene oxidation and trichloroethene reductive dechlorination for single-stage treatment of groundwater containing multiple contaminants. <i>Environmental Science and Ecotechnology</i> , 2022, 11, 100171.	6.7	8
5	Cascade systems to recover resources from sludge by the integration of pretreatments to fermentation-based anaerobic bioleaching process. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107711.	3.3	2
6	Syntrophy drives the microbial electrochemical oxidation of toluene in a continuous-flow <i>microbioelectric well</i> . <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107799.	3.3	5
7	Snorkels enhance alkanes respiration at ambient and increased hydrostatic pressure (10 MPa) by either supporting the TCA cycle or limiting alternative routes for acetyl-CoA metabolism. <i>Journal of Environmental Management</i> , 2022, 316, 115244.	3.8	0
8	Hydrocarbons removal from real marine sediments: Analysis of degradation pathways and microbial community development during bioslurry treatment. <i>Science of the Total Environment</i> , 2022, 838, 156458.	3.9	10
9	Two New Species of Filamentous Sulfur Bacteria of the Genus <i>Thiothrix</i> , <i>Thiothrix winogradskyi</i> sp. nov. and <i>Candidatus Thiothrix sulfatifontis</i> sp. nov.. <i>Microorganisms</i> , 2022, 10, 1300.	1.6	6
10	Passive electrobioremediation approaches for enhancing hydrocarbons biodegradation in contaminated soils. <i>Science of the Total Environment</i> , 2022, 845, 157325.	3.9	12
11	Reductive/oxidative sequential bioelectrochemical process for Perchloroethylene (PCE) removal: effect of the applied reductive potential and microbial community characterization. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104657.	3.3	26
12	Interspecies metabolite transfer and aggregate formation in a co-culture of <i>Dehalococcoides</i> and <i>Sulfurospirillum</i> dehalogenating tetrachloroethene to ethene. <i>ISME Journal</i> , 2021, 15, 1794-1809.	4.4	27
13	Biodegradation of Hydrocarbons in Marine Environment. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 195-228.	0.3	1
14	Direct Conversion of Food Waste Extract into Caproate: Metagenomics Assessment of Chain Elongation Process. <i>Microorganisms</i> , 2021, 9, 327.	1.6	37
15	Enhanced Hydrocarbons Biodegradation at Deep-Sea Hydrostatic Pressure with Microbial Electrochemical Snorkels. <i>Catalysts</i> , 2021, 11, 263.	1.6	10
16	Effects of the Feeding Solution Composition on a Reductive/Oxidative Sequential Bioelectrochemical Process for Perchloroethylene Removal. <i>Processes</i> , 2021, 9, 405.	1.3	9
17	Adaptation of Microbial Communities to Environmental Arsenic and Selection of Arsenite-Oxidizing Bacteria From Contaminated Groundwaters. <i>Frontiers in Microbiology</i> , 2021, 12, 634025.	1.5	12
18	Correlations between maximum reductive dechlorination rates and specific biomass parameters in <i>Dehalococcoides mccartyi</i> consortia enriched on chloroethenes PCE, TCE and cis-1,2-DCE. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	7

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19	Special issue in memory of Valter Tandoi (IRSA-CNR) "A life-long commitment to environmental biotechnology. <i>New Biotechnology</i> , 2021, 62, 57-59.	2.4	0
20	Metatranscriptomic outlook on green and brown food webs in acid mine drainage. <i>Environmental Microbiology Reports</i> , 2021, 13, 606-615.	1.0	4
21	3-ROUTES PLATFORM FOR RECOVERY OF HIGH VALUE PRODUCTS, ENERGY AND BIO-FERTILIZER FROM URBAN BIOWASTE: THE REVENUE PROJECT. <i>Detritus</i> , 2021, , 24-30.	0.4	3
22	A Microcosm Treatability Study for Evaluating Wood Mulch-Based Amendments as Electron Donors for Trichloroethene (TCE) Reductive Dechlorination. <i>Water (Switzerland)</i> , 2021, 13, 1949.	1.2	3
23	High concentrations of dissolved biogenic methane associated with cyanobacterial blooms in East African lake surface water. <i>Communications Biology</i> , 2021, 4, 845.	2.0	26
24	Optimization of short chain volatile fatty acids production from household food waste for biorefinery applications. <i>Environmental Technology and Innovation</i> , 2021, 23, 101562.	3.0	30
25	Simultaneous removal of hydrocarbons and sulfate from groundwater using a "bioelectric well". <i>Electrochimica Acta</i> , 2021, 388, 138636.	2.6	10
26	Metagenomic Analysis Reveals Microbial Interactions at the Biocathode of a Bioelectrochemical System Capable of Simultaneous Trichloroethylene and Cr(VI) Reduction. <i>Frontiers in Microbiology</i> , 2021, 12, 747670.	1.5	5
27	Elucidating the key factors in semicontinuous anaerobic digestion of urban biowaste: The crucial role of sludge addition in process stability, microbial community enrichment and methane production. <i>Renewable Energy</i> , 2021, 179, 272-284.	4.3	18
28	FISH in Suspension or in Adherent Cells. <i>Methods in Molecular Biology</i> , 2021, 2246, 51-67.	0.4	0
29	CATalyzed Reporter Deposition Fluorescence In Situ Hybridization (CARD-FISH) for Complex Environmental Samples. <i>Methods in Molecular Biology</i> , 2021, 2246, 129-140.	0.4	5
30	Microbial Community Successional Changes in a Full-Scale Mesophilic Anaerobic Digester from the Start-Up to the Steady-State Conditions. <i>Microorganisms</i> , 2021, 9, 2581.	1.6	12
31	Anaerobic digestion of mixed urban biowaste: The microbial community shift towards stability. <i>New Biotechnology</i> , 2020, 55, 108-117.	2.4	24
32	Microbiome changes and oxidative capability of an anaerobic PCB dechlorinating enrichment culture after oxygen exposure. <i>New Biotechnology</i> , 2020, 56, 96-102.	2.4	15
33	Enrichment of a mixed microbial culture of PHA-storing microorganisms by using fermented hardwood spent sulfite liquor. <i>New Biotechnology</i> , 2020, 56, 79-86.	2.4	23
34	Microplastic-associated biofilms in lentic Italian ecosystems. <i>Water Research</i> , 2020, 187, 116429.	5.3	95
35	Biopolymers from Urban Organic Waste: Influence of the Solid Retention Time to Cycle Length Ratio in the Enrichment of a Mixed Microbial Culture (MMC). <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14531-14539.	3.2	39
36	Parallel artificial and biological electric circuits power petroleum decontamination: The case of snorkel and cable bacteria. <i>Water Research</i> , 2020, 173, 115520.	5.3	44

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37	Water and microbial monitoring technologies towards the near future space exploration. <i>Water Research</i> , 2020, 177, 115787.	5.3	10
38	Marine hydrocarbon-degrading bacteria breakdown poly(ethylene terephthalate) (PET). <i>Science of the Total Environment</i> , 2020, 749, 141608.	3.9	57
39	Anaerobic co-digestion of food waste and waste activated sludge: ADM1 modelling and microbial analysis to gain insights into the two substrates' synergistic effects. <i>Waste Management</i> , 2019, 97, 27-37.	3.7	36
40	Microbiome dynamics and phaC synthase genes selected in a pilot plant producing polyhydroxyalkanoate from the organic fraction of urban waste. <i>Science of the Total Environment</i> , 2019, 689, 765-773.	3.9	27
41	Microbial community composition of water samples stored inside the International Space Station. <i>Research in Microbiology</i> , 2019, 170, 230-234.	1.0	8
42	Monitoring, isolation and characterization of <i>Microthrix parvicella</i> strains from a Chinese wastewater treatment plant. <i>Water Science and Technology</i> , 2019, 79, 1406-1416.	1.2	5
43	Combining electrokinetic transport and bioremediation for enhanced removal of crude oil from contaminated marine sediments: Results of a long-term, mesocosm-scale experiment. <i>Water Research</i> , 2019, 157, 381-395.	5.3	38
44	Biological As(III) oxidation in biofilters by using native groundwater microorganisms. <i>Science of the Total Environment</i> , 2019, 651, 93-102.	3.9	48
45	Impact of magnetite nanoparticles on the syntrophic dechlorination of 1,2-dichloroethane. <i>Science of the Total Environment</i> , 2018, 624, 17-23.	3.9	9
46	Biofilm growth and control in cooling water industrial systems. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	35
47	Efficacy of methanogenic biomass acclimation in mesophilic anaerobic digestion of ultrasound pretreated sludge. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1250-1259.	1.2	1
48	Water Quality and Total Microbial Load: A Double-Threshold Identification Procedure Intended for Space Applications. <i>Frontiers in Microbiology</i> , 2018, 9, 2903.	1.5	7
49	Biofilm diversity, structure and matrix seasonality in a full-scale cooling tower. <i>Biofouling</i> , 2018, 34, 1093-1109.	0.8	3
50	Microbial Community Changes in a Chlorinated Solvents Polluted Aquifer Over the Field Scale Treatment With Poly-3-Hydroxybutyrate as Amendment. <i>Frontiers in Microbiology</i> , 2018, 9, 1664.	1.5	31
51	Microbiome profiling in extremely acidic soils affected by hydrothermal fluids: the case of the Solfatara Crater (Campi Flegrei, southern Italy). <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	19
52	Organic Fraction of Municipal Solid Waste Recovery by Conversion into Added-Value Polyhydroxyalkanoates and Biogas. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16375-16385.	3.2	73
53	Long-term anaerobic digestion of food waste at semi-pilot scale: Relationship between microbial community structure and process performances. <i>Biomass and Bioenergy</i> , 2018, 118, 55-64.	2.9	41
54	Impact of Organic Acids Supplementation to Hardwood Spent Sulfite Liquor as Substrate for the Selection of Polyhydroxyalkanoates-Producing Organisms. <i>Fermentation</i> , 2018, 4, 58.	1.4	6

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55	Obituary Dr. Valter Tandoi. <i>Annals of Microbiology</i> , 2018, 68, 471-471.	1.1	0
56	Control strategy for filamentous sludge bulking: Bench-scale test and full-scale application. <i>Chemosphere</i> , 2018, 210, 709-716.	4.2	37
57	A Genomic Outlook on Bioremediation: The Case of Arsenic Removal. <i>Frontiers in Microbiology</i> , 2018, 9, 820.	1.5	49
58	The biogeochemical vertical structure renders a meromictic volcanic lake a trap for geogenic CO ₂ (Lake Averno, Italy). <i>PLoS ONE</i> , 2018, 13, e0193914.	1.1	16
59	Electrolysis-driven bioremediation of crude oil-contaminated marine sediments. <i>New Biotechnology</i> , 2017, 38, 84-90.	2.4	31
60	Enhancing a multi-stage process for olive oil mill wastewater valorization towards polyhydroxyalkanoates and biogas production. <i>Chemical Engineering Journal</i> , 2017, 317, 280-289.	6.6	46
61	Highly complex substrates lead to dynamic bacterial community for polyhydroxyalkanoates production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 1215-1224.	1.4	7
62	Polyhydroxyalkanoate as a slow-release carbon source for in situ bioremediation of contaminated aquifers: From laboratory investigation to pilot-scale testing in the field. <i>New Biotechnology</i> , 2017, 37, 60-68.	2.4	44
63	Green bio-dispersant removal efficacy estimation for controlling biofilms in cooling towers. <i>Annals of Microbiology</i> , 2017, 67, 779-784.	1.1	4
64	Bridging spatially segregated redox zones with a microbial electrochemical snorkel triggers biogeochemical cycles in oil-contaminated River Tyne (UK) sediments. <i>Water Research</i> , 2017, 127, 11-21.	5.3	30
65	Unravelling the core microbiome of biofilms in cooling tower systems. <i>Biofouling</i> , 2017, 33, 793-806.	0.8	35
66	Arsenic-related microorganisms in groundwater: a review on distribution, metabolic activities and potential use in arsenic removal processes. <i>Reviews in Environmental Science and Biotechnology</i> , 2017, 16, 647-665.	3.9	42
67	Activated Sludge Separation Problems: <i>Theory, Control Measures, Practical Experiences</i> - <i>Second Edition</i> . <i>Water Intelligence Online</i> , 2017, 16, 9781780408644.	0.3	1
68	Phage-host associations in a full-scale activated sludge plant during sludge bulking. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6495-6504.	1.7	20
69	Factors affecting the growth of <i>Microthrix parvicella</i> : Batch tests using bulking sludge as seed sludge. <i>Science of the Total Environment</i> , 2017, 609, 1192-1199.	3.9	26
70	Biodegradation of UV-filters in marine sediments. <i>Science of the Total Environment</i> , 2017, 575, 448-457.	3.9	25
71	High-throughput sequencing revealed novel <i>Dehalococcoidia</i> in dechlorinating microbial enrichments from PCB-contaminated marine sediments. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	1.3	21
72	Cable Bacteria and the Bioelectrochemical Snorkel: The Natural and Engineered Facets Playing a Role in Hydrocarbons Degradation in Marine Sediments. <i>Frontiers in Microbiology</i> , 2017, 8, 952.	1.5	48

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73	Phylogenetic Structure and Metabolic Properties of Microbial Communities in Arsenic-Rich Waters of Geothermal Origin. <i>Frontiers in Microbiology</i> , 2017, 8, 2468.	1.5	17
74	The microbiology of the activated sludge process. , 2017, , 21-51.		1
75	Bulking and foaming control methods. , 2017, , 99-138.		1
76	Microbiome Dynamics of a Polychlorobiphenyl (PCB) Historically Contaminated Marine Sediment under Conditions Promoting Reductive Dechlorination. <i>Frontiers in Microbiology</i> , 2016, 7, 1502.	1.5	40
77	Effect of Coupling Zero-Valent Iron Side Filters on the Performance of Bioreactors Fed with a High Concentration of Perchloroethylene. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	7
78	Performance and Characteristics of Aerobic Granular Sludge Degrading 2,4,6-Trichlorophenol at Different Volumetric Organic Loading Rates. <i>Clean - Soil, Air, Water</i> , 2016, 44, 615-623.	0.7	11
79	Enrichment of <i>Dehalococcoides mccartyi</i> spp. from a municipal activated sludge during AQDS-mediated bioelectrochemical dechlorination of 1,2-dichloroethane to ethene. <i>Bioresource Technology</i> , 2016, 214, 426-431.	4.8	25
80	Arsenic removal by discontinuous ZVI two steps system for drinking water production at household scale. <i>Water Research</i> , 2016, 106, 135-145.	5.3	44
81	Redox Interactions of Organohalide-Respiring Bacteria (OHRB) with Solid-State Electrodes: Principles and Perspectives of Microbial Electrochemical Remediation. , 2016, , 499-516.		2
82	First evidence on the occurrence and dynamics of <i>Dehalococcoides mccartyi</i> PCB-dechlorinase genes in marine sediment during Aroclor1254 reductive dechlorination. <i>Marine Pollution Bulletin</i> , 2016, 112, 189-194.	2.3	22
83	In situ detection of <i>alkB2</i> gene involved in <i>Alcanivorax borkumensis</i> SK2T hydrocarbon biodegradation. <i>Marine Pollution Bulletin</i> , 2016, 110, 378-382.	2.3	9
84	The Arsenite Oxidation Potential of Native Microbial Communities from Arsenic-Rich Freshwaters. <i>Microbial Ecology</i> , 2016, 72, 25-35.	1.4	16
85	Reductive dechlorination of tetrachloroethene in marine sediments: Biodiversity and dehalorespiring capabilities of the indigenous microbes. <i>Science of the Total Environment</i> , 2016, 545-546, 445-452.	3.9	28
86	Arsenic removal from naturally contaminated waters: a review of methods combining chemical and biological treatments. <i>Rendiconti Lincei</i> , 2016, 27, 51-58.	1.0	45
87	Polyhydroxyalkanoates-accumulating bacteria isolated from activated sludge acclimatized to hardwood sulphite spent liquor. <i>Annals of Microbiology</i> , 2016, 66, 833-842.	1.1	10
88	Polychlorinated biphenyl (PCB) anaerobic degradation in marine sediments: microcosm study and role of autochthonous microbial communities. <i>Environmental Science and Pollution Research</i> , 2016, 23, 12613-12623.	2.7	58
89	The "Oil-Spill Snorkel" an innovative bioelectrochemical approach to accelerate hydrocarbons biodegradation in marine sediments. <i>Frontiers in Microbiology</i> , 2015, 6, 881.	1.5	60
90	GeneCARD-FISH: Detection of <i>tceA</i> and <i>vcrA</i> reductive dehalogenase genes in <i>Dehalococcoides mccartyi</i> by fluorescence in situ hybridization. <i>Journal of Microbiological Methods</i> , 2015, 110, 27-32.	0.7	17

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91	Bioelectrochemically-assisted reductive dechlorination of 1,2-dichloroethane by a Dehalococcoides-enriched microbial culture. <i>Bioresource Technology</i> , 2015, 195, 78-82.	4.8	41
92	Ecology and biotechnological potential of the thermophilic fermentative <i>Coprothermobacter</i> spp.. <i>FEMS Microbiology Ecology</i> , 2015, 91, .	1.3	66
93	Unveiling PHA-storing populations using molecular methods. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10433-10446.	1.7	21
94	In situ groundwater and sediment bioremediation: barriers and perspectives at European contaminated sites. <i>New Biotechnology</i> , 2015, 32, 133-146.	2.4	95
95	Microbial diversity in innovative mesophilic/thermophilic temperature-phased anaerobic digestion of sludge. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7339-7348.	2.7	31
96	Thermophilic anaerobic digestion of thermal pretreated sludge: Role of microbial community structure and correlation with process performances. <i>Water Research</i> , 2015, 68, 498-509.	5.3	80
97	Anaerobic arsenite oxidation with an electrode serving as the sole electron acceptor: A novel approach to the bioremediation of arsenic-polluted groundwater. <i>Journal of Hazardous Materials</i> , 2015, 283, 617-622.	6.5	94
98	Electrically conductive magnetite particles enhance the kinetics and steer the composition of anaerobic TCE-dechlorinating cultures. <i>Process Biochemistry</i> , 2014, 49, 2235-2240.	1.8	27
99	<i>In situ</i> identification of the syntrophic protein fermentative <i>Coprothermobacter</i> spp. involved in the thermophilic anaerobic digestion process. <i>FEMS Microbiology Letters</i> , 2014, 358, 55-63.	0.7	11
100	On-site treatment of textile yarn dyeing effluents using an integrated biological-chemical oxidation process. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 623-632.	1.8	14
101	Predominance of <i>Dehalococcoides</i> in the presence of different sulfate concentrations. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	12
102	PHA production by mixed cultures: A way to valorize wastes from pulp industry. <i>Bioresource Technology</i> , 2014, 157, 197-205.	4.8	70
103	Advanced anaerobic processes to enhance waste activated sludge stabilization. <i>Water Science and Technology</i> , 2014, 69, 1728-1734.	1.2	9
104	Magnetite Particles Triggering a Faster and More Robust Syntrophic Pathway of Methanogenic Propionate Degradation. <i>Environmental Science & Technology</i> , 2014, 48, 7536-7543.	4.6	557
105	Phytoremediation and bioremediation of polychlorinated biphenyls (PCBs): State of knowledge and research perspectives. <i>Journal of Hazardous Materials</i> , 2014, 278, 189-202.	6.5	251
106	Extent of intracellular storage in single and dual substrate systems under pulse feeding. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1225-1238.	2.7	12
107	Electrochemical stimulation of microbial cis-dichloroethene (cis-DCE) oxidation by an ethene-assimilating culture. <i>New Biotechnology</i> , 2013, 30, 749-755.	2.4	40
108	Quantitative estimation of <i>Dehalococcoides mccartyi</i> at laboratory and field scale: Comparative study between CARD-FISH and Real Time PCR. <i>Journal of Microbiological Methods</i> , 2013, 93, 127-133.	0.7	49

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109	Study of performances, stability and microbial characterization of a Sequencing Batch Biofilter Granular Reactor working at low recirculation flow. <i>Bioresource Technology</i> , 2013, 129, 624-628.	4.8	2
110	Different activity levels of <i>Dehalococcoides mccartyi</i> revealed by FISH and CARD-FISH under non-steady and pseudo-steady state conditions. <i>New Biotechnology</i> , 2013, 30, 756-762.	2.4	19
111	Metabolic model for the filamentous <i>Candidatus</i> <i>Microthrix parvicella</i> ™ based on genomic and metagenomic analyses. <i>ISME Journal</i> , 2013, 7, 1161-1172.	4.4	93
112	Start-up of a granular sludge sequencing batch reactor for the treatment of 2,4-dichlorophenol-contaminated wastewater. <i>Water Science and Technology</i> , 2013, 68, 2151-2157.	1.2	8
113	Conductive Magnetite Nanoparticles Accelerate the Microbial Reductive Dechlorination of Trichloroethene by Promoting Interspecies Electron Transfer Processes. <i>ChemSusChem</i> , 2013, 6, 433-436.	3.6	72
114	Effect of feeding regime and the sludge age on the fate of acetate and the microbial composition in sequencing batch reactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 192-203.	0.9	13
115	CARD-FISH analysis of a TCE-dechlorinating biocathode operated at different set potentials. <i>New Biotechnology</i> , 2012, 30, 33-38.	2.4	18
116	Field distribution and activity of chlorinated solvents degrading bacteria by combining CARD-FISH and real time PCR. <i>New Biotechnology</i> , 2012, 30, 23-32.	2.4	27
117	Fingerprinting Hydrocarbons in a Contaminated Soil from an Italian Natural Reserve and Assessment of the Performance of a Low-Impact Bioremediation Approach. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 1773-1782.	1.1	12
118	High frequency ultrasound pretreatment for sludge anaerobic digestion: Effect on floc structure and microbial population. <i>Bioresource Technology</i> , 2012, 110, 43-49.	4.8	73
119	ENHANCED ANAEROBIC DIGESTION PERFORMANCES: EFFECT OF SLUDGE ULTRASOUND PRE-TREATMENT AND ROLE OF THE MICROBIAL POPULATION. <i>Environmental Engineering and Management Journal</i> , 2012, 11, 1803-1810.	0.2	1
120	Short-term and long-term effects on carbon storage of pulse feeding on acclimated or unacclimated activated sludge. <i>Water Research</i> , 2011, 45, 3119-3128.	5.3	25
121	Bio-chemical treatment of medium-age sanitary landfill leachates in a high synergy system. <i>Process Biochemistry</i> , 2011, 46, 2322-2329.	1.8	16
122	Effect of feeding and sludge age on acclimated bacterial community and fate of slowly biodegradable substrate. <i>Bioresource Technology</i> , 2011, 102, 7794-7801.	4.8	17
123	Effective treatment of stabilized municipal landfill leachates. <i>Chemical Engineering Journal</i> , 2011, 168, 1085-1092.	6.6	25
124	Bioelectrochemical hydrogen production with hydrogenophilic dechlorinating bacteria as electrocatalytic agents. <i>Bioresource Technology</i> , 2011, 102, 3193-3199.	4.8	73
125	Granular biomass structure and population dynamics in Sequencing Batch Biofilter Granular Reactor (SBBGR). <i>Bioresource Technology</i> , 2010, 101, 2152-2158.	4.8	41
126	Characterization of an electro-active biocathode capable of dechlorinating trichloroethene and cis-dichloroethene to ethene. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1796-1802.	5.3	113

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127	SBBGR technology for minimising excess sludge production in biological processes. <i>Water Research</i> , 2010, 44, 1825-1832.	5.3	49
128	A chemically enhanced biological process for lowering operative costs and solid residues of industrial recalcitrant wastewater treatment. <i>Water Research</i> , 2010, 44, 3635-3644.	5.3	62
129	<i>Thiothrix caldifontis</i> sp. nov. and <i>Thiothrix lacustris</i> sp. nov., gammaproteobacteria isolated from sulfide springs. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 3128-3135.	0.8	56
130	Influence of mediator immobilization on the electrochemically assisted microbial dechlorination of trichloroethene (TCE) and <i>cis</i> -dichloroethene (cDCE). <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 864-870.	1.6	31
131	Microbial reductive dechlorination of trichloroethene to ethene with electrodes serving as electron donors without the external addition of redox mediators. <i>Biotechnology and Bioengineering</i> , 2009, 103, 85-91.	1.7	139
132	Enhanced bioremediation of methyl tert-butyl ether (MTBE) by microbial consortia obtained from contaminated aquifer material. <i>Chemosphere</i> , 2009, 75, 149-155.	4.2	22
133	Microbial characterisation of polyhydroxyalkanoates storing populations selected under different operating conditions using a cell-sorting RT-PCR approach. <i>Applied Microbiology and Biotechnology</i> , 2008, 78, 351-360.	1.7	85
134	Structure analysis and performance of a microbial community from a contaminated aquifer involved in the complete reductive dechlorination of 1,1,2,2-tetrachloroethane to ethene. <i>Biotechnology and Bioengineering</i> , 2008, 100, 240-249.	1.7	39
135	Improved quantification of <i>Dehalococcoides</i> species by fluorescence in situ hybridization and catalyzed reporter deposition. <i>Systematic and Applied Microbiology</i> , 2008, 31, 62-67.	1.2	36
136	Trichloroethene Dechlorination and H ₂ Evolution Are Alternative Biological Pathways of Electric Charge Utilization by a Dechlorinating Culture in a Bioelectrochemical System. <i>Environmental Science & Technology</i> , 2008, 42, 6185-6190.	4.6	96
137	Technological transfer to demonstrative scale of sequencing batch biofilter granular reactor (SBBGR) technology for municipal and industrial wastewater treatment. <i>Water Science and Technology</i> , 2008, 58, 367-372.	1.2	15
138	Relevance of side reactions in anaerobic reductive dechlorination microcosms amended with different electron donors. <i>Water Research</i> , 2007, 41, 27-38.	5.3	123
139	Electron Transfer from a Solid-State Electrode Assisted by Methyl Viologen Sustains Efficient Microbial Reductive Dechlorination of TCE. <i>Environmental Science & Technology</i> , 2007, 41, 2554-2559.	4.6	191
140	Remediation of PCE-contaminated groundwater from an industrial site in southern Italy: A laboratory-scale study. <i>Process Biochemistry</i> , 2007, 42, 1498-1505.	1.8	25
141	Bacterial growth kinetics estimation by fluorescence in situ hybridization and spectrofluorometric quantification. <i>Letters in Applied Microbiology</i> , 2007, 44, 643-648.	1.0	4
142	Identity, abundance and ecophysiology of filamentous Chloroflexi species present in activated sludge treatment plants. <i>FEMS Microbiology Ecology</i> , 2007, 59, 671-682.	1.3	210
143	Simultaneous biological removal of sulphide and nitrate by autotrophic denitrification in an activated sludge system. <i>Water Science and Technology</i> , 2006, 53, 91-99.	1.2	32
144	Microbial community analysis with a high PHA storage capacity. <i>Water Science and Technology</i> , 2006, 54, 183-188.	1.2	39

#	ARTICLE	IF	CITATIONS
145	Microbial and kinetic characterization of pure and mixed cultures aerobically degrading 4-nitrophenol. <i>Chemosphere</i> , 2006, 63, 1801-1808.	4.2	27
146	Phylogeny, physiology and distribution of 'Candidatus <i>Microthrix calida</i> ', a new <i>Microthrix</i> species isolated from industrial activated sludge wastewater treatment plants. <i>Environmental Microbiology</i> , 2006, 8, 1552-1563.	1.8	44
147	Description of filamentous bacteria present in industrial activated sludge WWTPs by conventional and molecular methods. <i>Water Science and Technology</i> , 2006, 54, 129-137.	1.2	8
148	Comparative study of methanol, butyrate, and hydrogen as electron donors for long-term dechlorination of tetrachloroethene in mixed anaerobic cultures. <i>Biotechnology and Bioengineering</i> , 2005, 91, 743-753.	1.7	73
149	In situ analysis of native microbial communities in complex samples with high particulate loads. <i>FEMS Microbiology Letters</i> , 2005, 253, 55-58.	0.7	114
150	' <i>Microthrix parvicella</i> ', a filamentous bacterium causing bulking and foaming in activated sludge systems: a review of current knowledge. <i>FEMS Microbiology Reviews</i> , 2005, 29, 49-64.	3.9	176
151	Anaerobic transformation of tetrachloroethane, perchloroethylene, and their mixtures by mixed-cultures enriched from contaminated soils and sediments. <i>Water Science and Technology</i> , 2005, 52, 357-362.	1.2	14
152	Assessing the potential for natural or enhanced in-situ bioremediation at a TCE-contaminated site by coupling process analysis and modeling. , 2005, , 265-277.		2
153	Anaerobic transformation of tetrachloroethane, perchloroethylene, and their mixtures by mixed-cultures enriched from contaminated soils and sediments. <i>Water Science and Technology</i> , 2005, 52, 357-62.	1.2	1
154	Filamentous Alphaproteobacteria Associated with Bulking in Industrial Wastewater Treatment Plants. <i>Systematic and Applied Microbiology</i> , 2004, 27, 716-727.	1.2	109
155	Detection and quantitative estimation of <i>Dehalococcoides</i> spp. in a dechlorinating bioreactor by a combination of fluorescent in situ hybridisation (FISH) and kinetic analysis. <i>Applied Microbiology and Biotechnology</i> , 2004, 64, 206-212.	1.7	39
156	Phylogenetic and physiological characterization of a heterotrophic, chemolithoautotrophic <i>Thiothrix</i> strain isolated from activated sludge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 1271-1276.	0.8	31
157	Kinetic and phylogenetic characterization of an anaerobic dechlorinating microbial community. <i>Microbiology (United Kingdom)</i> , 2003, 149, 459-469.	0.7	40
158	' <i>Microthrix parvicella</i> ', a new approach for kinetic and physiological characterization. <i>Water Science and Technology</i> , 2002, 46, 65-72.	1.2	29
159	Phylogenetic analysis and in situ identification of 'Nostocoida limicola'-like filamentous bacteria in activated sludge from industrial wastewater treatment plants. <i>Water Science and Technology</i> , 2002, 46, 99-104.	1.2	52
160	Analysis of the microbial community structure and function of a laboratory scale enhanced biological phosphorus removal reactor. <i>Environmental Microbiology</i> , 2002, 4, 559-569.	1.8	61
161	" <i>Microthrix parvicella</i> ": a new approach for kinetic and physiological characterization. <i>Water Science and Technology</i> , 2002, 46, 65-72.	1.2	3
162	Synthesis of intracellular storage polymers by <i>Amaricoccus kaplicensis</i> , a tetrad forming bacterium present in activated sludge. <i>Journal of Applied Microbiology</i> , 2001, 91, 299-305.	1.4	43

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163	Phylogenetic Characterization and In Situ Detection of a Cytophaga-Flexibacter-Bacteroides Phylogroup Bacterium in <i>Tuber borchii</i> Vittad. Ectomycorrhizal Mycelium. <i>Applied and Environmental Microbiology</i> , 2000, 66, 5035-5042.	1.4	83
164	'Candidatus Nostocoida limicola', a filamentous bacterium from activated sludge.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2000, 50, 703-709.	0.8	77
165	Microbiological characterisation of pure cultures and its relevance to modelling and control of bulking phenomena. <i>Water Science and Technology</i> , 1999, 39, 21-29.	1.2	12
166	Some physiological properties of an Italian isolate of <i>Microthrix parvicella</i> . <i>Water Science and Technology</i> , 1998, 37, 1-8.	1.2	20
167	The characterization and description of representatives of <i>Microthrix</i> bacteria from activated sludge plants. <i>Letters in Applied Microbiology</i> , 1997, 25, 63-69.	1.0	32
168	Phenotypic and phylogenetic description of an Italian isolate of <i>Microthrix parvicella</i> . <i>Journal of Applied Microbiology</i> , 1997, 82, 405-410.	1.4	30
169	Kinetics of denitrification reactions in single sludge systems. <i>Water Research</i> , 1996, 30, 51-56.	5.3	35
170	Dynamics of phosphorus and organic substrates in anaerobic and aerobic phases of a sequencing batch reactor. <i>Water Science and Technology</i> , 1994, 30, 237-246.	1.2	37
171	Survey on the Occurrence of Filamentous Organisms in Municipal Wastewater Treatment Plants Related to Their Operating Conditions. <i>Water Science and Technology</i> , 1994, 29, 305-308.	1.2	17