

Daniel R Noguera

List of Publications by Year in descending order

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137
papers

7,079
citations

70961

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149
all docs

149
docs citations

149
times ranked

7024
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Genome Scale Mutant Libraries to Identify Essential Genes. <i>Methods in Molecular Biology</i> , 2022, 2377, 215-236.	0.4	0
2	Integrating lignin depolymerization with microbial funneling processes using agronomically relevant feedstocks. <i>Green Chemistry</i> , 2022, 24, 2795-2811.	4.6	20
3	Metagenome-Assembled Genomes from a Microbiome Converting Xylose to Medium-Chain Carboxylic Acids. <i>Microbiology Resource Announcements</i> , 2022, 11, e0115121.	0.3	2
4	Pilot-scale comparison of biological nutrient removal (BNR) using intermittent and continuous ammonia-based low dissolved oxygen aeration control systems. <i>Water Science and Technology</i> , 2022, 85, 578-590.	1.2	5
5	Correction for Beach et al., "Exploring the Meta-regulon of the CRP/FNR Family of Global Transcriptional Regulators in a Partial-Nitritation Anammox Microbiome". <i>MSystems</i> , 2022, , e0021322.	1.7	0
6	iNovo479: Metabolic Modeling Provides a Roadmap to Optimize Bioproduct Yield from Deconstructed Lignin Aromatics by <i>Novosphingobium aromaticivorans</i> . <i>Metabolites</i> , 2022, 12, 366.	1.3	3
7	Metagenomes from 25 Low-Abundance Microbes in a Partial Nitritation Anammox Microbiome. <i>Microbiology Resource Announcements</i> , 2022, 11, e0021222.	0.3	2
8	Utilization of lignocellulosic biofuel conversion residue by diverse microorganisms. , 2022, 15, .		2
9	The essential <i>Rhodobacter sphaeroides</i> CenKR two-component system regulates cell division and envelope biosynthesis. <i>PLoS Genetics</i> , 2022, 18, e1010270.	1.5	7
10	Metagenomes and Metagenome-Assembled Genomes from Microbial Communities Fermenting Ultrafiltered Milk Permeate. <i>Microbiology Resource Announcements</i> , 2022, 11, .	0.3	2
11	Environmental impacts of phosphorus recovery through struvite precipitation in wastewater treatment. <i>Journal of Cleaner Production</i> , 2021, 280, 124222.	4.6	70
12	Autotrophic and mixotrophic metabolism of an anammox bacterium revealed by in vivo ¹³ C and ² H metabolic network mapping. <i>ISME Journal</i> , 2021, 15, 673-687.	4.4	64
13	Kinetic modeling of anaerobic degradation of plant-derived aromatic mixtures by <i>Rhodopseudomonas palustris</i> . <i>Biodegradation</i> , 2021, 32, 179-192.	1.5	4
14	Redundancy in Aromatic <i>o</i> -Demethylation and Ring-Opening Reactions in <i>Novosphingobium aromaticivorans</i> and Their Impact in the Metabolism of Plant-Derived Phenolics. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	16
15	Simulation-based analysis of full-scale implementation of energy neutral wastewater treatment plants. <i>Journal of Water Process Engineering</i> , 2021, 40, 101875.	2.6	7
16	Delila-PY, a Pipeline for Utilizing the Delila Suite of Software to Identify Potential DNA Binding Motifs. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.3	1
17	Genome-Resolved Metagenomics of a Photosynthetic Bioreactor Performing Biological Nutrient Removal. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.3	9
18	Diverse Profile of Fermentation Byproducts From Thin Stillage. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 695306.	2.0	16

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19	Metabolic Differentiation of Co-occurring Accumilibacter Clades Revealed through Genome-Resolved Metatranscriptomics. <i>MSystems</i> , 2021, 6, e0047421.	1.7	15
20	Promoter Architecture Differences among <i>Alphaproteobacteria</i> and Other Bacterial Taxa. <i>MSystems</i> , 2021, 6, e0052621.	1.7	6
21	Investigating the Chemolithoautotrophic and Formate Metabolism of <i>Nitrospira moscoviensis</i> by Constraint-Based Metabolic Modeling and ¹³ C-Tracer Analysis. <i>MSystems</i> , 2021, 6, e0017321.	1.7	8
22	Mixed Acid Fermentation of Carbohydrate-Rich Dairy Manure Hydrolysate. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 724304.	2.0	11
23	Exploring the Meta-regulon of the CRP/FNR Family of Global Transcriptional Regulators in a Partial-Nitrification Anammox Microbiome. <i>MSystems</i> , 2021, 6, e0090621.	1.7	3
24	Aromatic Dimer Dehydrogenases from <i>Novosphingobium aromaticivorans</i> Reduce Monoaromatic Diketones. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0174221.	1.4	5
25	Genome-Wide Identification of Transcription Start Sites in Two <i>Alphaproteobacteria</i> , <i>Rhodobacter sphaeroides</i> 2.4.1 and <i>Novosphingobium aromaticivorans</i> DSM 12444. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	8
26	Diagnosing and Predicting Mixed-Culture Fermentations with Unicellular and Guild-Based Metabolic Models. <i>MSystems</i> , 2020, 5, .	1.7	20
27	COntORT: Comprehensive Transcriptomic ORganizational Tool for Simultaneously Retrieving and Organizing Numerous Gene Expression Data Sets from the NCBI Gene Expression Omnibus Database. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	3
28	The NtrYX Two-Component System Regulates the Bacterial Cell Envelope. <i>MBio</i> , 2020, 11, .	1.8	22
29	Anaerobic Degradation of Syringic Acid by an Adapted Strain of <i>Rhodopseudomonas palustris</i> . <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	9
30	Medium-Chain Fatty Acid Synthesis by <i>Candidatus</i> <i>Weimeria bifida</i> gen. nov., sp. nov., and <i>Candidatus</i> <i>Pseudoramibacter fermentans</i> sp. nov. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	42
31	Common principles and best practices for engineering microbiomes. <i>Nature Reviews Microbiology</i> , 2019, 17, 725-741.	13.6	324
32	Design and Assessment of Species-Level qPCR Primers Targeting Comammox. <i>Frontiers in Microbiology</i> , 2019, 10, 36.	1.5	50
33	Integrated Omic Analyses Provide Evidence that a <i>Candidatus</i> <i>Accumulibacter phosphatis</i> Strain Performs Denitrification under Microaerobic Conditions. <i>MSystems</i> , 2019, 4, .	1.7	44
34	Funneling aromatic products of chemically depolymerized lignin into 2-pyrone-4-6-dicarboxylic acid with <i>Novosphingobium aromaticivorans</i> . <i>Green Chemistry</i> , 2019, 21, 1340-1350.	4.6	79
35	A heterodimeric glutathione S-transferase that stereospecifically breaks lignin's \hat{I}^2 (R)-aryl ether bond reveals the diversity of bacterial \hat{I}^2 -etherases. <i>Journal of Biological Chemistry</i> , 2019, 294, 1877-1890.	1.6	32
36	A Supply Chain Framework for the Analysis of the Recovery of Biogas and Fatty Acids from Organic Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6211-6222.	3.2	23

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37	Performance of SiO ₂ , ZrO ₂ , TiO ₂ , Al ₂ O ₃ or Fe ₂ O ₃ Coatings on Ti Electrodes for Arsenic (V) Detection Utilizing Electrochemical Impedance Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2018, 165, B34-B47.	1.3	5
38	<i>In Vitro</i> Enzymatic Depolymerization of Lignin with Release of Syringyl, Guaiacyl, and Tricin Units. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	41
39	Metatranscriptomic and Thermodynamic Insights into Medium-Chain Fatty Acid Production Using an Anaerobic Microbiome. <i>MSystems</i> , 2018, 3, .	1.7	69
40	Increasing the economic value of lignocellulosic stillage through medium-chain fatty acid production. <i>Biotechnology for Biofuels</i> , 2018, 11, 200.	6.2	99
41	<i>Novosphingobium aromaticivorans</i> uses a Nu-class glutathione S-transferase as a glutathione lyase in breaking the Î ² -aryl ether bond of lignin. <i>Journal of Biological Chemistry</i> , 2018, 293, 4955-4968.	1.6	48
42	Community Assembly and Ecology of Activated Sludge under Photosynthetic Feast-Famine Conditions. <i>Environmental Science & Technology</i> , 2017, 51, 3165-3175.	4.6	28
43	Pilot plant demonstration of stable and efficient high rate biological nutrient removal with low dissolved oxygen conditions. <i>Water Research</i> , 2017, 121, 72-85.	5.3	80
44	Metabolic network analysis reveals microbial community interactions in anammox granules. <i>Nature Communications</i> , 2017, 8, 15416.	5.8	489
45	Mutations That Alter the Bacterial Cell Envelope Increase Lipid Production. <i>MBio</i> , 2017, 8, .	1.8	10
46	Biochemical transformation of lignin for deriving valued commodities from lignocellulose. <i>Current Opinion in Biotechnology</i> , 2017, 45, 120-126.	3.3	95
47	Whole-Community Metagenomics in Two Different Anammox Configurations: Process Performance and Community Structure. <i>Environmental Science & Technology</i> , 2017, 51, 4317-4327.	4.6	98
48	Combining Genome-Scale Experimental and Computational Methods To Identify Essential Genes in <i>Rhodobacter sphaeroides</i> . <i>MSystems</i> , 2017, 2, .	1.7	43
49	Genome-Enabled Insights into the Ecophysiology of the Comammox Bacterium <i>Candidatus Nitrospira nitrosa</i> . <i>MSystems</i> , 2017, 2, .	1.7	119
50	Transformation of erythromycin during secondary effluent soil aquifer recharging: Removal contribution and degradation path. <i>Journal of Environmental Sciences</i> , 2017, 51, 173-180.	3.2	21
51	Adsorption of Cu ²⁺ and Zn ²⁺ by extracellular polymeric substances (EPS) in different sludges: Effect of EPS fractional polarity on binding mechanism. <i>Journal of Hazardous Materials</i> , 2017, 321, 473-483.	6.5	152
52	Utilization of artificial recharged effluent as makeup water for industrial cooling system: corrosion and scaling. <i>Water Science and Technology</i> , 2016, 73, 2559-2569.	1.2	3
53	Structural and Biochemical Characterization of the Early and Late Enzymes in the Lignin Î ² -Aryl Ether Cleavage Pathway from <i>Sphingobium</i> sp. SYK-6. <i>Journal of Biological Chemistry</i> , 2016, 291, 10228-10238.	1.6	44
54	Ancestral genome reconstruction identifies the evolutionary basis for trait acquisition in polyphosphate accumulating bacteria. <i>ISME Journal</i> , 2016, 10, 2931-2945.	4.4	43

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55	Transformation and speciation of typical heavy metals in soil aquifer treatment system during long time recharging with secondary effluent: Depth distribution and combination. <i>Chemosphere</i> , 2016, 165, 100-109.	4.2	56
56	<i>Candidatus Accumulibacter phosphatis</i> clades enriched under cyclic anaerobic and microaerobic conditions simultaneously use different electron acceptors. <i>Water Research</i> , 2016, 102, 125-137.	5.3	94
57	Metatranscriptomic insights on gene expression and regulatory controls in <i>Candidatus Accumulibacter phosphatis</i> . <i>ISME Journal</i> , 2016, 10, 810-822.	4.4	98
58	Structural Basis of Stereospecificity in the Bacterial Enzymatic Cleavage of β -Aryl Ether Bonds in Lignin. <i>Journal of Biological Chemistry</i> , 2016, 291, 5234-5246.	1.6	40
59	Electron Partitioning in Anoxic Phototrophic Bacteria. <i>Advances in Photosynthesis and Respiration</i> , 2016, , 679-700.	1.0	0
60	Could in situ λ -DNA hybridization chain reaction enable simple and effective detection of identity and function in whole cell hybridizations?. <i>Environmental Microbiology</i> , 2015, 17, 2559-2561.	1.8	2
61	CceR and AkgR Regulate Central Carbon and Energy Metabolism in Alphaproteobacteria. <i>MBio</i> , 2015, 6, .	1.8	12
62	Metabolism of Multiple Aromatic Compounds in Corn Stover Hydrolysate by <i>Rhodospseudomonas palustris</i> . <i>Environmental Science & Technology</i> , 2015, 49, 8914-8922.	4.6	51
63	An Integrated Approach to Reconstructing Genome-Scale Transcriptional Regulatory Networks. <i>PLoS Computational Biology</i> , 2015, 11, e1004103.	1.5	23
64	Dissolved organic matter removal during coal slag additive soil aquifer treatment for secondary effluent recharging: Contribution of aerobic biodegradation. <i>Journal of Environmental Management</i> , 2015, 156, 158-166.	3.8	12
65	Oxygen-Dependent Regulation of Bacterial Lipid Production. <i>Journal of Bacteriology</i> , 2015, 197, 1649-1658.	1.0	11
66	Ammonia-oxidizing microbial communities in reactors with efficient nitrification at low-dissolved oxygen. <i>Water Research</i> , 2015, 70, 38-51.	5.3	209
67	Quantifying the effects of light intensity on bioproduction and maintenance energy during photosynthetic growth of <i>Rhodobacter sphaeroides</i> . <i>Photosynthesis Research</i> , 2015, 123, 167-182.	1.6	15
68	Global Analysis of Photosynthesis Transcriptional Regulatory Networks. <i>PLoS Genetics</i> , 2014, 10, e1004837.	1.5	31
69	A Group of Sequence-Related Sphingomonad Enzymes Catalyzes Cleavage of β -Aryl Ether Linkages in Lignin β -Guaiacyl and β -Syringyl Ether Dimers. <i>Environmental Science & Technology</i> , 2014, 48, 12454-12463.	4.6	80
70	Mathematical tools to optimize the design of oligonucleotide probes and primers. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 9595-9608.	1.7	16
71	Stereochemical Features of Glutathione-dependent Enzymes in the <i>Sphingobium</i> sp. Strain SYK-6 β -Aryl Etherase Pathway. <i>Journal of Biological Chemistry</i> , 2014, 289, 8656-8667.	1.6	58
72	Exploiting extension bias in polymerase chain reaction to improve primer specificity in ensembles of nearly identical λ -DNA templates. <i>Environmental Microbiology</i> , 2014, 16, 1354-1365.	1.8	72

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73	<i>Candidatus</i> Accumulibacter phosphatis: Elusive Bacterium Responsible for Enhanced Biological Phosphorus Removal. Journal of Environmental Engineering, ASCE, 2014, 140, 2-10.	0.7	5
74	Automated Design of Probes for rRNA-Targeted Fluorescence <i>In Situ</i> Hybridization Reveals the Advantages of Using Dual Probes for Accurate Identification. Applied and Environmental Microbiology, 2014, 80, 5124-5133.	1.4	39
75	Effect of storage conditions on the stability and fermentability of enzymatic lignocellulosic hydrolysate. Bioresource Technology, 2013, 147, 212-220.	4.8	19
76	Global insights into energetic and metabolic networks in Rhodobacter sphaeroides. BMC Systems Biology, 2013, 7, 89.	3.0	46
77	Benzoyl Coenzyme A Pathway-Mediated Metabolism of <i>meta</i> -Hydroxy-Aromatic Acids in Rhodospseudomonas palustris. Journal of Bacteriology, 2013, 195, 4112-4120.	1.0	9
78	DECIPHER, a Search-Based Approach to Chimera Identification for 16S rRNA Sequences. Applied and Environmental Microbiology, 2012, 78, 717-725.	1.4	589
79	Revised Sequence and Annotation of the Rhodobacter sphaeroides 2.4.1 Genome. Journal of Bacteriology, 2012, 194, 7016-7017.	1.0	36
80	Maximizing reductant flow into microbial H ₂ production. Current Opinion in Biotechnology, 2012, 23, 382-389.	3.3	20
81	Exploring the in situ accessibility of small subunit ribosomal RNA of members of the domains Bacteria and Eukarya to oligonucleotide probes. Systematic and Applied Microbiology, 2012, 35, 485-495.	1.2	6
82	Modeling Formamide Denaturation of Probe-Target Hybrids for Improved Microarray Probe Design in Microbial Diagnostics. PLoS ONE, 2012, 7, e43862.	1.1	16
83	Development of a Novel Strategy to Cultivate Enhanced Biological Phosphorus Removal (EBPR) Microorganisms. Proceedings of the Water Environment Federation, 2011, 2011, 4833-4851.	0.0	1
84	iRsp1095: A genome-scale reconstruction of the Rhodobacter sphaeroides metabolic network. BMC Systems Biology, 2011, 5, 116.	3.0	68
85	Pathways Involved in Reductant Distribution during Photobiological H ₂ Production by Rhodobacter sphaeroides. Applied and Environmental Microbiology, 2011, 77, 7425-7429.	1.4	41
86	mathFISH, a Web Tool That Uses Thermodynamics-Based Mathematical Models for <i>In Silico</i> Evaluation of Oligonucleotide Probes for Fluorescence <i>In Situ</i> Hybridization. Applied and Environmental Microbiology, 2011, 77, 1118-1122.	1.4	172
87	Electron Partitioning During Light- and Nutrient-Powered Hydrogen Production by Rhodobacter sphaeroides. Bioenergy Research, 2010, 3, 55-66.	2.2	41
88	Involvement of reactive oxygen species in the electrochemical inhibition of barnacle (<i>Amphibalanus amphitrite</i>) settlement. Biofouling, 2009, 25, 563-571.	0.8	16
89	Denitrification capabilities of two biological phosphorus removal sludges dominated by different <i>Candidatus</i> Accumulibacter™ clades. Environmental Microbiology Reports, 2009, 1, 583-588.	1.0	189
90	Systematic evaluation of single mismatch stability predictors for fluorescence <i>in situ</i> hybridization. Environmental Microbiology, 2008, 10, 2872-2885.	1.8	23

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91	Quantification of Target Molecules Needed To Detect Microorganisms by Fluorescence In Situ Hybridization (FISH) and Catalyzed Reporter Deposition-FISH. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5068-5077.	1.4	114
92	Inhibition of barnacle (<i>Amphibalanus amphitrite</i>) cyprid settlement by means of localized, pulsed electric fields. <i>Biofouling</i> , 2008, 24, 177-184.	0.8	33
93	Nitrification Modeling in Pilot-Scale Chloraminated Drinking Water Distribution Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2008, 134, 731-742.	0.7	16
94	Using nitrification potential curves to evaluate full-scale drinking water distribution systems. <i>Journal - American Water Works Association</i> , 2008, 100, 92-103.	0.2	16
95	<i>Nitrospira</i> community composition in nitrifying reactors operated with two different dissolved oxygen levels. <i>Journal of Microbiology and Biotechnology</i> , 2008, 18, 1470-4.	0.9	48
96	Identification of Thermodynamically Inaccessible Target Sites for Fluorescence In Situ Hybridization (FISH). <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 5010-5019.	0.0	0
97	Pilot-Scale Investigation to Achieve Very Low Nitrogen and Phosphorus Effluents by Retrofitting a University of Cape Town (UCT) Process. <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 7396-7411.	0.0	1
98	Risk analysis of nitrification occurrence in pilot-scale chloraminated distribution systems. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2007, 56, 293-311.	0.6	5
99	Modeling Microbial Decay in a Cannibal Sludge Minimization Process. <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 1751-1767.	0.0	4
100	Development of thermodynamic models for simulating probe dissociation profiles in fluorescence in situ hybridization. <i>Biotechnology and Bioengineering</i> , 2007, 96, 349-363.	1.7	35
101	Effects of localised, low-voltage pulsed electric fields on the development and inhibition of <i>Pseudomonas aeruginosa</i> biofilms. <i>Biofouling</i> , 2006, 22, 383-390.	0.8	62
102	Recovery of Polyhydroxyalkanoate from Activated Sludge in an Enhanced Biological Phosphorus Removal Bench-Scale Reactor. <i>Water Environment Research</i> , 2006, 78, 770-775.	1.3	9
103	Taking Advantage of Aerated-Anoxic Operation in a Full-Scale University of Cape Town Process. <i>Water Environment Research</i> , 2006, 78, 637-642.	1.3	14
104	Comparison between Direct Microscopy and Flow Cytometry for rRNA-Based Quantification of <i>Candidatus Accumulibacter phosphatis</i> in Activated Sludge. <i>Water Environment Research</i> , 2006, 78, 181-188.	1.3	4
105	Nitrite concentration influences the population structure of <i>Nitrospira</i> -like bacteria. <i>Environmental Microbiology</i> , 2006, 8, 1487-1495.	1.8	209
106	Evaluation of Sludge Yield and Phosphorus Removal in a Cannibal Solids Reduction Process. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 1331-1337.	0.7	62
107	Making All Parts of the 16S rRNA of <i>Escherichia coli</i> Accessible In Situ to Single DNA Oligonucleotides. <i>Applied and Environmental Microbiology</i> , 2006, 72, 733-744.	1.4	90
108	Nitrification potential curves: a new strategy for nitrification prevention. <i>Journal - American Water Works Association</i> , 2005, 97, 90-99.	0.2	40

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109	ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL IN A CANNIBALISTIC TYPE ACTIVATED SLUDGE PROCESS. Proceedings of the Water Environment Federation, 2005, 2005, 5933-5940.	0.0	4
110	Bitwise Implementation of a Two-Dimensional Cellular Automata Biofilm Model. Journal of Computing in Civil Engineering, 2005, 19, 258-268.	2.5	16
111	Mechanistic Approach to the Problem of Hybridization Efficiency in Fluorescent In Situ Hybridization. Applied and Environmental Microbiology, 2004, 70, 7126-7139.	1.4	104
112	Evaluating the effect of dissolved oxygen on ammonia-oxidizing bacterial communities in activated sludge. Water Research, 2004, 38, 3275-3286.	5.3	280
113	Production of Polyhydroxyalkanoate During Treatment of Low-Phosphorus-Content Wastewater. Water Environment Research, 2004, 76, 380-383.	1.3	3
114	Introduction to the IWA task group on biofilm modeling. Water Science and Technology, 2004, 49, 131-6.	1.2	1
115	Results from the multi-species benchmark problem 3 (BM3) using two-dimensional models. Water Science and Technology, 2004, 49, 169-76.	1.2	14
116	Diversity of nitrifying bacteria in full-scale chloraminated distribution systems. Water Research, 2003, 37, 197-205.	5.3	126
117	DEVELOPMENT OF A MECHANISTIC MODEL FOR FLUORESCENT IN SITU HYBRIDIZATION (FISH) BASED ON EQUILIBRIUM THERMODYNAMICS. Proceedings of the Water Environment Federation, 2003, 2003, 610-627.	0.0	0
118	Controlling Biosolids Phosphorus Content in Enhanced Biological Phosphorus Removal Reactors. Water Environment Research, 2003, 75, 254-262.	1.3	6
119	Ammonia- and Nitrite-Oxidizing Bacterial Communities in a Pilot-Scale Chloraminated Drinking Water Distribution System. Applied and Environmental Microbiology, 2002, 68, 73-81.	1.4	218
120	EFFECT OF DISSOLVED OXYGEN ON AMMONIA-OXIDIZING BACTERIAL COMMUNITIES. Proceedings of the Water Environment Federation, 2002, 2002, 130-144.	0.0	1
121	Pilot-scale evaluation of nitrification control strategies. Journal - American Water Works Association, 2002, 94, 78-89.	0.2	27
122	REDUCING BIOSOLIDS PHOSPHORUS CONTENT FROM ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL REACTORS. Proceedings of the Water Environment Federation, 2002, 2002, 17-33.	0.0	0
123	Physical Enrichment of Polyphosphate-Accumulating Organisms in Activated Sludge. Water Environment Research, 2002, 74, 354-361.	1.3	17
124	Microbiology of Enhanced Biological Phosphorus Removal in Aerated-Anoxic Orbal Processes. Water Environment Research, 2002, 74, 428-436.	1.3	28
125	Involvement of Rhodocyclus-Related Organisms in Phosphorus Removal in Full-Scale Wastewater Treatment Plants. Applied and Environmental Microbiology, 2002, 68, 2763-2769.	1.4	197
126	Kinetics of <i>Nitrosomonas europaea</i> INACTIVATION by chloramine. Journal - American Water Works Association, 2002, 94, 100-110.	0.2	28

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127	Quantitative Cellular Automaton Model for Biofilms. Journal of Environmental Engineering, ASCE, 2001, 127, 782-789.	0.7	91
128	PRODUCTION OF POLYHYDROXYALKANOATE DURING TREATMENT OF LOW-PHOSPHORUS CONTENT WASTEWATER. Proceedings of the Water Environment Federation, 2001, 2001, 66-76.	0.0	3
129	Transformation of 2,4,6-Trinitrotoluene by Purified Xenobiotic Reductase B from <i>Pseudomonas fluorescens</i> I-C. Applied and Environmental Microbiology, 2000, 66, 4742-4750.	1.4	148
130	Simulation of multispecies biofilm development in three dimensions. Water Science and Technology, 1999, 39, 123-130.	1.2	41
131	A unified model describing the role of hydrogen in the growth of <i>Desulfovibrio vulgaris</i> under different environmental conditions. , 1998, 59, 732-746.		80
132	Combining fluorescent in situ hybridization (fish) with cultivation and mathematical modeling to study population structure and function of ammonia-oxidizing bacteria in activated sludge. Water Science and Technology, 1998, 37, 441-449.	1.2	48
133	A unified model describing the role of hydrogen in the growth of <i>Desulfovibrio vulgaris</i> under different environmental conditions. , 1998, 59, 732.		5
134	Characterization of products from the biotransformation of 2,4-dinitrotoluene by denitrifying enrichment cultures. Water Environment Research, 1997, 69, 260-268.	1.3	7
135	Dichloromethane biodegradation under nitrate-reducing conditions. Water Environment Research, 1997, 69, 115-122.	1.3	25
136	Soluble microbial products (SMP) in anaerobic chemostats. Biotechnology and Bioengineering, 1994, 44, 1040-1047.	1.7	135
137	Explaining widely varying biofilm-process performance with normalized loading curves. Water Environment Research, 1992, 64, 706-711.	1.3	12