

Satoshi Tsuneda

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.

235
papers

7,483
citations

50
h-index

77
g-index

244
ext. papers

8,204
ext. citations

4.4
avg, IF

5.71
L-index

#	Paper	IF	Citations
235	Long-Term Limitation Effects of Se(VI), Zn(II), and Ni(II) on Start-Up of the Anammox Process Using Gel Carrier.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 851617	5.8	
234	Effect of inorganic carbon limitation on the nitrogen removal performance of the single-stage reactor containing anammox and nitrification gel carriers. <i>Journal of Bioscience and Bioengineering</i> , 2021 , 133, 70-70	3.3	1
233	CREB3L1 overexpression as a potential diagnostic marker of Philadelphia chromosome-negative myeloproliferative neoplasms. <i>Cancer Science</i> , 2021 , 112, 884-892	6.9	5
232	Effect of Modeling Intestinal Crypts as Cylinders for Simulating Stem Cell Dynamics within Mouse and Human Colonic Crypts. <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 044801	1.5	
231	Global identification of RsmA/N binding sites in by UV CLIP-seq. <i>RNA Biology</i> , 2021 , 18, 2401-2416	4.8	2
230	Microdroplet-based system for culturing of environmental microorganisms using FNAP-sort. <i>Scientific Reports</i> , 2021 , 11, 9506	4.9	0
229	Methanol tolerance and acclimation in the anammox process using a gel carrier. <i>Biochemical Engineering Journal</i> , 2021 , 165, 107814	4.2	2
228	Quantification of native mRNA dynamics in living neurons using fluorescence correlation spectroscopy and reduction-triggered fluorescent probes. <i>Journal of Biological Chemistry</i> , 2020 , 295, 7923-7940	5.4	1
227	MazF Endoribonucleolytic Toxin Conserved in Specifically Cleaves the AACU, AACG, and AAUU Motifs. <i>Toxins</i> , 2020 , 12,	4.9	2
226	Transcriptome Analysis of the Ammonia-Oxidizing Bacterium Nitrosomonas mobilis Ms1 Reveals Division of Labor between Aggregates and Free-living Cells. <i>Microbes and Environments</i> , 2020 , 35,	2.6	2
225	Successful enrichment of low-abundant comammox Nitrospira from nitrifying granules under ammonia-limited conditions. <i>FEMS Microbiology Letters</i> , 2020 , 367,	2.9	10
224	Physiological and genomic characterization of a new Candidatus NitrotogaSisolate. <i>Environmental Microbiology</i> , 2020 , 22, 2365-2382	5.2	9
223	CREB3L1 Overexpression Can Reliably Discriminate Ph-MPNs from Reactive Cases. <i>Blood</i> , 2020 , 136, 41-41	2.2	
222	Nitrogen and Oxygen Isotope Signatures of Nitrogen Compounds during Anammox in the Laboratory and a Wastewater Treatment Plant. <i>Microbes and Environments</i> , 2020 , 35,	2.6	2
221	Enrichment of Comammox and Nitrite-Oxidizing From Acidic Soils. <i>Frontiers in Microbiology</i> , 2020 , 11, 1737	5.7	18
220	Genomic and Physiological Characteristics of a Novel Nitrite-Oxidizing Strain Isolated From a Drinking Water Treatment Plant. <i>Frontiers in Microbiology</i> , 2020 , 11, 545190	5.7	2
219	Draft Genome Sequence of sp. Strain NB1, Isolated from a Nitrite-Oxidizing Enrichment Culture. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	4

218	Fluorescent nucleic acid probe in droplets for bacterial sorting (FNAP-sort) as a high-throughput screening method for environmental bacteria with various growth rates. <i>PLoS ONE</i> , 2019 , 14, e0214533	3.7	8
217	Conditional Hfq Association with Small Noncoding RNAs in <i>Pseudomonas aeruginosa</i> Revealed through Comparative UV Cross-Linking Immunoprecipitation Followed by High-Throughput Sequencing. <i>MSystems</i> , 2019 , 4,	7.6	10
216	End-Sealed High Aspect Ratio Hollow Nanotubes Encapsulating an Anticancer Drug: Torpedo-Shaped Peptidic Nanocapsules. <i>ACS Nano</i> , 2019 , 13, 305-312	16.7	20
215	AldB controls persister formation in <i>Escherichia coli</i> depending on environmental stress. <i>Microbiology and Immunology</i> , 2018 , 62, 299-309	2.7	5
214	Stochastic expression of lactate dehydrogenase A induces <i>Escherichia coli</i> persister formation. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 126, 30-37	3.3	7
213	"All-in-one" in vitro selection of collagen-binding vascular endothelial growth factor. <i>Biomaterials</i> , 2018 , 161, 270-278	15.6	7
212	Unique transcriptional profile of native persisters in <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2018 , 125, 15-22	3.3	10
211	Skewed megakaryopoiesis in human induced pluripotent stem cell-derived haematopoietic progenitor cells harbouring calreticulin mutations. <i>British Journal of Haematology</i> , 2018 , 181, 791-802	4.5	15
210	MazF Specifically Recognises the UGG Motif and Promotes Selective RNA Degradation. <i>Frontiers in Microbiology</i> , 2018 , 9, 2386	5.7	5
209	Low-temperature culturing improves survival rate of tissue-engineered cardiac cell sheets. <i>Biochemistry and Biophysics Reports</i> , 2018 , 14, 89-97	2.2	3
208	Real-time quantitation of internal metabolic activity of three-dimensional engineered tissues using an oxygen microelectrode and optical coherence tomography. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 855-864	3.5	3
207	Nitrite oxidation kinetics of two <i>Nitrospira</i> strains: The quest for competition and ecological niche differentiation. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 123, 581-589	3.3	65
206	Enrichment and Physiological Characterization of a Cold-Adapted Nitrite-Oxidizing <i>Nitrotoga</i> sp. from an Eelgrass Sediment. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	26
205	First full-scale nitrification-anammox plant using gel entrapment technology for ammonia plant effluent. <i>Biochemical Engineering Journal</i> , 2017 , 122, 115-122	4.2	36
204	pH-gradient ion-exchange microbial cell chromatography as a simple method for microbial separation. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 123, 431-436	3.3	6
203	Genomic Analysis of Two Phylogenetically Distinct Species Reveals Their Genomic Plasticity and Functional Diversity. <i>Frontiers in Microbiology</i> , 2017 , 8, 2637	5.7	26
202	High-rate nitrification of electronic industry wastewater by using nitrifying granules. <i>Water Science and Technology</i> , 2017 , 76, 3171-3180	2.2	15
201	Characterization of a <i>Deinococcus radiodurans</i> MazF: A UACA-specific RNA endoribonuclease. <i>MicrobiologyOpen</i> , 2017 , 6, e00501	3.4	7

200	A rapid collection of yet unknown ammonia oxidizers in pure culture from activated sludge. <i>Water Research</i> , 2017 , 108, 169-178	12.5	12
199	Four Aromatic Sulfates with an Inhibitory Effect against HCV NS3 Helicase from the Crinoid <i>Alloeocomatella polycladia</i> . <i>Marine Drugs</i> , 2017 , 15,	6	6
198	Meta-Analysis of Fecal Microbiota and Metabolites in Experimental Colitic Mice during the Inflammatory and Healing Phases. <i>Nutrients</i> , 2017 , 9,	6.7	59
197	Physical enrichment of uncultured <i>Accumulibacter</i> and <i>Nitrospira</i> from activated sludge by unlabeled cell sorting technique. <i>Journal of Bioscience and Bioengineering</i> , 2016 , 122, 475-81	3.3	13
196	AAU-Specific RNA Cleavage Mediated by MazF Toxin Endoribonuclease Conserved in <i>Nitrosomonas europaea</i> . <i>Toxins</i> , 2016 , 8,	4.9	10
195	Ecophysiology and Comparative Genomics of Ms1 Isolated from Autotrophic Nitrifying Granules of Wastewater Treatment Bioreactor. <i>Frontiers in Microbiology</i> , 2016 , 7, 1869	5.7	18
194	Characterization of MazF-Mediated Sequence-Specific RNA Cleavage in <i>Pseudomonas putida</i> Using Massive Parallel Sequencing. <i>PLoS ONE</i> , 2016 , 11, e0149494	3.7	12
193	Effect of Lipopolysaccharide on the Progression of Non-Alcoholic Fatty Liver Disease in High Caloric Diet-Fed Mice. <i>Scandinavian Journal of Immunology</i> , 2016 , 83, 109-18	3.4	20
192	System for measuring oxygen consumption rates of mammalian cells in static culture under hypoxic conditions. <i>Biotechnology Progress</i> , 2016 , 32, 189-97	2.8	1
191	Mathematical modeling of dormant cell formation in growing biofilm. <i>Frontiers in Microbiology</i> , 2015 , 6, 534	5.7	11
190	Phosphorylated 5-ethynyl-2-Deoxyuridine for advanced DNA labeling. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 4589-95	3.9	9
189	Modeling the nutrient removal process in aerobic granular sludge system by coupling the reactor- and granule-scale models. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 53-64	4.9	27
188	Bacterial metabolites directly modulate farnesoid X receptor activity. <i>Nutrition and Metabolism</i> , 2015 , 12, 48	4.6	18
187	Identification of Hydroxyanthraquinones as Novel Inhibitors of Hepatitis C Virus NS3 Helicase. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 18439-53	6.3	18
186	Selective isolation of ammonia-oxidizing bacteria from autotrophic nitrifying granules by applying cell-sorting and sub-culturing of microcolonies. <i>Frontiers in Microbiology</i> , 2015 , 6, 1159	5.7	27
185	Strengthening of the intestinal epithelial tight junction by <i>Bifidobacterium bifidum</i> . <i>Physiological Reports</i> , 2015 , 3, e12327	2.6	115
184	Direct measurement of local dissolved oxygen concentration spatial profiles in a cell culture environment. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 1263-74	4.9	9
183	A fluorescence-based screening assay for identification of hepatitis C virus NS3 helicase inhibitors and characterization of their inhibitory mechanism. <i>Methods in Molecular Biology</i> , 2015 , 1259, 211-28	1.4	3

182	Melting curve analysis after T allele enrichment (MelcaTle) as a highly sensitive and reliable method for detecting the JAK2V617F mutation. <i>PLoS ONE</i> , 2015 , 10, e0122003	3.7	3
181	Modeling of stem cell dynamics in human colonic crypts in silico. <i>Journal of Gastroenterology</i> , 2014 , 49, 263-9	6.9	11
180	Phosphorylated gelatin to enhance cell adhesion to titanium. <i>Polymer International</i> , 2014 , 63, 1616-1619	3.3	5
179	Cholesterol sulfate as a potential inhibitor of hepatitis C virus NS3 helicase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014 , 29, 223-9	5.6	8
178	Detection of MPLW515L/K mutations and determination of allele frequencies with a single-tube PCR assay. <i>PLoS ONE</i> , 2014 , 9, e104958	3.7	9
177	PBDE: structure-activity studies for the inhibition of hepatitis C virus NS3 helicase. <i>Molecules</i> , 2014 , 19, 4006-20	4.8	6
176	Identification and biochemical characterization of halisulfate 3 and suvanine as novel inhibitors of hepatitis C virus NS3 helicase from a marine sponge. <i>Marine Drugs</i> , 2014 , 12, 462-76	6	12
175	Isolation of sublineage I Nitrospira by a novel cultivation strategy. <i>Environmental Microbiology</i> , 2014 , 16, 3030-40	5.2	35
174	Mathematical modelling of spatio-temporal cell dynamics in colonic crypts following irradiation. <i>Cell Proliferation</i> , 2014 , 47, 347-55	7.9	5
173	JAK2V617F mutation status and allele burden in classical Ph-negative myeloproliferative neoplasms in Japan. <i>International Journal of Hematology</i> , 2014 , 99, 625-34	2.3	26
172	Psammaplin A inhibits hepatitis C virus NS3 helicase. <i>Journal of Natural Medicines</i> , 2013 , 67, 765-72	3.3	13
171	Complete autotrophic denitrification in a single reactor using nitritation and anammox gel carriers. <i>Bioresource Technology</i> , 2013 , 147, 96-101	11	36
170	Applicability of a Sequencing Batch Membrane Biofilm Reactor for Simultaneous Nitrogen and Phosphorus Removal from Low C/N Ratio Wastewater. <i>Journal of Water and Environment Technology</i> , 2013 , 11, 487-496	1.1	
169	Selective enrichment of two different types of Nitrospira-like nitrite-oxidizing bacteria from a wastewater treatment plant. <i>Microbes and Environments</i> , 2013 , 28, 236-43	2.6	24
168	Isolation of Nitrospira belonging to sublineage II from a wastewater treatment plant. <i>Microbes and Environments</i> , 2013 , 28, 346-53	2.6	53
167	Temperature dependence for anammox bacteria enriched from freshwater sediments. <i>Journal of Bioscience and Bioengineering</i> , 2012 , 114, 429-34	3.3	25
166	High-rate denitrification using polyethylene glycol gel carriers entrapping heterotrophic denitrifying bacteria. <i>Water Research</i> , 2012 , 46, 4941-8	12.5	69
165	Detection of pre-mRNA splicing in vitro by an RNA-templated fluorogenic reaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 7248-51	2.9	10

164	Quantitative detection of <i>Cryptosporidium</i> oocyst in water source based on 18S rRNA by alternately binding probe competitive reverse transcription polymerase chain reaction (ABC-RT-PCR). <i>Water Research</i> , 2012 , 46, 187-94	12.5	6
163	Inhibition of hepatitis C virus NS3 helicase by manoalide. <i>Journal of Natural Products</i> , 2012 , 75, 650-4	4.9	30
162	The effect of surface charge property on <i>Escherichia coli</i> initial adhesion and subsequent biofilm formation. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 1745-54	4.9	78
161	Rapid start-up of a nitrifying reactor using aerobic granular sludge as seed sludge. <i>Water Science and Technology</i> , 2012 , 65, 581-8	2.2	8
160	Challenge for Formation of Aerobic Granular Sludge in a Continuous-Flow Reactor. <i>Journal of Water and Environment Technology</i> , 2012 , 10, 79-86	1.1	4
159	Formation of Nitrifying Granules Using a Continuous Stirred-Tank Reactor. <i>Journal of Water and Environment Technology</i> , 2012 , 10, 47-55	1.1	
158	Inhibition of hepatitis C virus replication and viral helicase by ethyl acetate extract of the marine feather star <i>Alloeocomatella polycladia</i> . <i>Marine Drugs</i> , 2012 , 10, 744-61	6	15
157	Inhibition of both protease and helicase activities of hepatitis C virus NS3 by an ethyl acetate extract of marine sponge <i>Amphimedon</i> sp. <i>PLoS ONE</i> , 2012 , 7, e48685	3.7	7
156	The potential of stem cells in adult tissues representative of the three germ layers. <i>Tissue Engineering - Part A</i> , 2011 , 17, 607-15	3.9	18
155	Enhancement of Nitrogen and Phosphorus Removal in an Anaerobic/Oxic/Anoxic Sequencing Batch Reactor as Affected by the Amount of External Carbon. <i>Journal of Water and Environment Technology</i> , 2011 , 9, 79-86	1.1	
154	Significance of Reactor Type for High-Rate Nitrification Using Aerobic Granular Sludge. <i>Journal of Water and Environment Technology</i> , 2011 , 9, 289-296	1.1	2
153	Application of nitrifying granules to improvement of nitrification activity in activated sludge process. <i>International Journal of Environment and Waste Management</i> , 2011 , 7, 103	0.9	
152	Alternately binding probe competitive PCR as a simple, cost-effective, and accurate quantification method for JAK2V617F allele burden in myeloproliferative neoplasms. <i>Leukemia Research</i> , 2011 , 35, 1632-6	2.7	13
151	Fluorescence Detection of Intron Lariat RNA with Reduction-Triggered Fluorescent Probes. <i>Angewandte Chemie</i> , 2011 , 123, 12226-12229	3.6	5
150	Fluorescence detection of intron lariat RNA with reduction-triggered fluorescent probes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12020-3	16.4	28
149	Development of osteogenic cell sheets for bone tissue engineering applications. <i>Tissue Engineering - Part A</i> , 2011 , 17, 1507-15	3.9	56
148	Reproducible subcutaneous transplantation of cell sheets into recipient mice. <i>Nature Protocols</i> , 2011 , 6, 1053-9	18.8	32
147	Synthesis, structure, and biological activity of dumbbell-shaped nanocircular RNAs for RNA interference. <i>Bioconjugate Chemistry</i> , 2011 , 22, 2082-92	6.3	37

146	Development of Nitrogen Removal System Using Heterotrophic Denitrifying Bacteria Entrapped in Gel Carriers. <i>Japanese Journal of Water Treatment Biology</i> , 2011 , 47, 67-74	0.2	
145	Microbial community structure in autotrophic nitrifying granules characterized by experimental and simulation analyses. <i>Environmental Microbiology</i> , 2010 , 12, 192-206	5.2	90
144	Transitions in oral and intestinal microflora composition and innate immune receptor-dependent stimulation during mouse development. <i>Infection and Immunity</i> , 2010 , 78, 639-50	3.7	41
143	Quantitative detection of chloroethene-reductive bacteria Dehalococcoides spp. using alternately binding probe competitive Polymerase Chain Reaction. <i>Molecular and Cellular Probes</i> , 2010 , 24, 131-7	3.3	5
142	Real-time monitoring of RNA helicase activity using fluorescence resonance energy transfer in vitro. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 393, 131-6	3.4	27
141	Behavior of polymeric substrates in an aerobic granular sludge system. <i>Water Research</i> , 2010 , 44, 5929-38.5	3.5	119
140	Photoactivatable fluorescein derivatives with azidomethyl caging groups for tracing oligonucleotides in living human cells. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 2309-11	3.9	22
139	Microbial population dynamics and community structure during the formation of nitrifying granules to treat ammonia-rich inorganic wastewater. <i>Microbes and Environments</i> , 2010 , 25, 164-70	2.6	19
138	Formation of Aerobic Granular Sludge in a Continuous-Flow Reactor - Control Strategy for the Selection of Well-Settling Granular Sludge -. <i>Journal of Water and Environment Technology</i> , 2010 , 8, 251-258	1.1	8
137	New monitoring approach for metabolic dynamics in microbial ecosystems using stable-isotope-labeling technologies. <i>Journal of Bioscience and Bioengineering</i> , 2010 , 110, 87-93	3.3	37
136	Direct cloning and expression of putative esterase genes from environmental DNA. <i>Enzyme and Microbial Technology</i> , 2010 , 47, 17-23	3.8	6
135	Alternately Binding Quenching Probe Competitive PCR: Simple, Sensitive, and Cost-Effective JAK2 Allele Burden Quantification Method. <i>Blood</i> , 2010 , 116, 1972-1972	2.2	
134	Improvement of nutrient removal and phosphorus recovery in the anaerobic/oxic/anoxic process combined with sludge ozonation and phosphorus adsorption. <i>Journal of Water and Environment Technology</i> , 2009 , 7, 135-142	1.1	3
133	Hollow-fiber membrane chamber as a device for in situ environmental cultivation. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 3826-33	4.8	82
132	Molecular diversity of bacterial chitinases in arable soils and the effects of environmental factors on the chitinolytic bacterial community. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 473-480	7.5	35
131	Affinity capillary electrophoresis with magnetic beads for multiplex quantitative analysis of bacterial 16S rRNA. <i>Journal of Bioscience and Bioengineering</i> , 2009 , 107, 662-7	3.3	7
130	High throughput in situ cultivation as a new method for cultivation of uncultivable environmental microorganisms. <i>Journal of Bioscience and Bioengineering</i> , 2009 , 108, S121	3.3	
129	Real-time reverse transcription loop-mediated isothermal amplification for rapid and simple quantification of WT1 mRNA. <i>Clinical Biochemistry</i> , 2009 , 42, 515-20	3.5	9

128	High-throughput screening assay of hepatitis C virus helicase inhibitors using fluorescence-quenching phenomenon. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 379, 1054-9	3.4	19
127	Universal quenching probe system: flexible, specific, and cost-effective real-time polymerase chain reaction method. <i>Analytical Chemistry</i> , 2009 , 81, 5678-85	7.8	28
126	Reduction-triggered fluorescent amplification probe for the detection of endogenous RNAs in living human cells. <i>Bioconjugate Chemistry</i> , 2009 , 20, 1026-36	6.3	77
125	Reduction-triggered red fluorescent probes for dual-color detection of oligonucleotide sequences. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 671-7	3.9	44
124	Reduction-triggered fluorescence probe for peptide-templated reactions. <i>Chemical and Pharmaceutical Bulletin</i> , 2009 , 57, 1223-6	1.9	5
123	Characterization of the microbial community in the anaerobic/oxic/anoxic process combined with sludge ozonation and phosphorus adsorption. <i>Journal of Water and Environment Technology</i> , 2009 , 7, 155-162	1.1	12
122	Fibrous Support Stabilizes Nitrification Performance of a Membrane-Aerated Biofilm: The Effect of Liquid Flow Perturbation. <i>Journal of Chemical Engineering of Japan</i> , 2009 , 42, 607-615	0.8	9
121	Retrieval of entire genes from environmental DNA by inverse PCR with pre-amplification of target genes using primers containing locked nucleic acids. <i>Environmental Microbiology</i> , 2008 , 10, 978-87	5.2	30
120	Rapid DNA chemical ligation for amplification of RNA and DNA signal. <i>Bioconjugate Chemistry</i> , 2008 , 19, 327-33	6.3	27
119	Low temperature decreases the phylogenetic diversity of ammonia-oxidizing archaea and bacteria in aquarium biofiltration systems. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 894-900	4.8	119
118	Effects of carbon source on denitrification efficiency and microbial community structure in a saline wastewater treatment process. <i>Water Research</i> , 2008 , 42, 3709-18	12.5	109
117	A reduction-triggered fluorescence probe for sensing nucleic acids. <i>Bioconjugate Chemistry</i> , 2008 , 19, 1219-26	6.3	96
116	Surface Modification for Bacterial Immobilization by Radiation-Induced Graft Polymerization and Application to Biological Wastewater Treatment. <i>Membrane</i> , 2008 , 33, 54-62	0	
115	Modeling and experimental study on the anaerobic/aerobic/anoxic process for simultaneous nitrogen and phosphorus removal: The effect of acetate addition. <i>Process Biochemistry</i> , 2008 , 43, 605-614 ⁸	4.8	14
114	Anaerobic ammonium oxidation (anammox) irreversibly inhibited by methanol. <i>Applied Microbiology and Biotechnology</i> , 2008 , 81, 379-85	5.7	59
113	Oxidation of Tetrachloroethylene in a Bubble Column Photochemical Reactor Applying the UV/H ₂ O ₂ Technique. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 81, 733-740	2.3	4
112	Subcutaneous transplantation of autologous oral mucosal epithelial cell sheets fabricated on temperature-responsive culture dishes. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 86, 1088-96	5.4	10
111	Rhodamine-based fluorogenic probe for imaging biological thiol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 2246-9	2.9	92

110	Fluorescence generation from tandem repeats of a malachite green RNA aptamer using rolling circle transcription. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 4562-5	2.9	12
109	Estimation of single-nucleotide polymorphism allele frequency by alternately binding probe competitive polymerase chain reaction. <i>Analytica Chimica Acta</i> , 2008 , 608, 211-6	6.6	8
108	Nitrogen removal performance using anaerobic ammonium oxidation at low temperatures. <i>FEMS Microbiology Letters</i> , 2008 , 282, 32-8	2.9	130
107	DNA microarray mediated transcriptional profiling of <i>Nitrosomonas europaea</i> in response to linear alkylbenzene sulfonates. <i>FEMS Microbiology Letters</i> , 2008 , 282, 166-73	2.9	11
106	Identification of the bacterial community involved in methane-dependent denitrification in activated sludge using DNA stable-isotope probing. <i>FEMS Microbiology Ecology</i> , 2008 , 64, 494-506	4.3	50
105	Diversity of nitrite reductase genes in "Candidatus <i>Accumulibacter phosphatis</i> "-dominated cultures enriched by flow-cytometric sorting. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 5331-7	4.8	26
104	Quantitative method for specific nucleic acid sequences using competitive polymerase chain reaction with an alternately binding probe. <i>Analytical Chemistry</i> , 2007 , 79, 974-9	7.8	25
103	Technique for quantitative detection of specific DNA sequences using alternately binding quenching probe competitive assay combined with loop-mediated isothermal amplification. <i>Analytical Chemistry</i> , 2007 , 79, 5608-13	7.8	49
102	Analysis of the Relationship between Ammonia Oxidizing Bacterial Populations and Nitrification Efficiency in Full-Scale Advanced Johkasou Using Different Structured Carriers by Real-Time PCR. <i>Japanese Journal of Water Treatment Biology</i> , 2007 , 43, 143-149	0.2	1
101	Redox-stratification controlled biofilm (ReSCoBi) for completely autotrophic nitrogen removal: the effect of co- versus counter-diffusion on reactor performance. <i>Biotechnology and Bioengineering</i> , 2007 , 97, 40-51	4.9	74
100	Modeling of membrane-aerated biofilm: Effects of C/N ratio, biofilm thickness and surface loading of oxygen on feasibility of simultaneous nitrification and denitrification. <i>Biochemical Engineering Journal</i> , 2007 , 37, 98-107	4.2	97
99	Design of polymer brushes for immobilizing enzymes onto hollow fiber micropores in organic media reaction. <i>Biochemical Engineering Journal</i> , 2007 , 37, 159-165	4.2	6
98	Calibration-curve-free quantitative PCR: a quantitative method for specific nucleic acid sequences without using calibration curves. <i>Analytical Biochemistry</i> , 2007 , 369, 105-11	3.1	3
97	Nitrification of landfill leachate using immobilized nitrifying bacteria at low temperatures. <i>Biochemical Engineering Journal</i> , 2007 , 37, 49-55	4.2	57
96	High nitrogen removal performance at moderately low temperature utilizing anaerobic ammonium oxidation reactions. <i>Journal of Bioscience and Bioengineering</i> , 2007 , 103, 486-90	3.3	143
95	Ammonium removal performance of anaerobic ammonium-oxidizing bacteria immobilized in polyethylene glycol gel carrier: anammox bacteria immobilized in gel carrier. <i>Applied Microbiology and Biotechnology</i> , 2007 , 76, 1457-65	5.7	78
94	Adsorption of bovine serum albumin to a polymer brush prepared by atom-transfer radical polymerization in a porous inorganic membrane. <i>Journal of Porous Materials</i> , 2007 , 14, 387-391	2.4	13
93	Detection of <i>DeFluvicoccus</i> -related Glycogen-accumulating Organisms in Enhanced Biological Phosphorus Removal Processes. <i>Microbes and Environments</i> , 2007 , 22, 190-195	2.6	4

92	Direct Profiling of rRNA in Saline Wastewater Treatment Samples Using an Oligonucleotide Microarray. <i>Microbes and Environments</i> , 2007 , 22, 116-122	2.6	3
91	RNA microarray for estimating relative abundance of 16S rRNA in microbial communities. <i>Journal of Microbiological Methods</i> , 2007 , 69, 406-10	2.8	4
90	Evaluation of Polyphosphate-Accumulating Organisms Indicators in the Start-Up Phase in Enhanced Biological Phosphorus Removal Process using Conventional Methods and Microautoradiography-FISH. <i>Japanese Journal of Water Treatment Biology</i> , 2007 , 43, 19-29	0.2	1
89	Characterization of the High-Density Bacteria in Biological Phosphorus Removal Process by using Buoyant Density Separation. <i>Japanese Journal of Water Treatment Biology</i> , 2007 , 43, 51-62	0.2	
88	Identification of acetate- or methanol-assimilating bacteria under nitrate-reducing conditions by stable-isotope probing. <i>Microbial Ecology</i> , 2006 , 52, 253-66	4.4	149
87	Growth characteristic of anaerobic ammonium-oxidizing bacteria in an anaerobic biological filtrated reactor. <i>Applied Microbiology and Biotechnology</i> , 2006 , 70, 47-52	5.7	116
86	Molecular analysis of halophilic bacterial community for high-rate denitrification of saline industrial wastewater. <i>Applied Microbiology and Biotechnology</i> , 2006 , 72, 182-189	5.7	58
85	Esterification of lauric acid using lipase immobilized in the micropores of a hollow-fiber membrane. <i>JAACS, Journal of the American Oil ChemistsgSociety</i> , 2006 , 83, 209-213	1.8	14
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1 Global identification of RsmA/N binding sites in *Pseudomonas aeruginosa* by in vivo UV CLIP-seq 1