

Jan Roelof van der Meer

List of Publications by Year in descending order

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202
papers

13,093
citations

23567

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249
all docs

249
docs citations

249
times ranked

11362
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering of Sensory Proteins with New Ligand-Binding Capacities. , 2022, , 223-242.		0
2	Subcellular Localization Defects Characterize Ribose-Binding Mutant Proteins with New Ligand Properties in Escherichia coli. Applied and Environmental Microbiology, 2022, 88, AEM0211721.	3.1	2
3	Recent advances in microbial community analysis from machine learning of multiparametric flow cytometry data. Current Opinion in Biotechnology, 2022, 75, 102688.	6.6	6
4	Reproducible Propagation of Species-Rich Soil Bacterial Communities Suggests Robust Underlying Deterministic Principles of Community Formation. MSystems, 2022, 7, e0016022.	3.8	10
5	A bistable prokaryotic differentiation system underlying development of conjugative transfer competence. PLoS Genetics, 2022, 18, e1010286.	3.5	6
6	Miniaturized electrochemical biosensor based on whole cell for heavy metal ions detection in water. Biotechnology and Bioengineering, 2021, 118, 1456-1465.	3.3	27
7	Assessing Biodegradability of Chemical Compounds from Microbial Community Growth Using Flow Cytometry. MSystems, 2021, 6, .	3.8	6
8	Predicting spatial patterns of soil bacteria under current and future environmental conditions. ISME Journal, 2021, 15, 2547-2560.	9.8	27
9	Genome-wide gene expression changes of Pseudomonas veronii 1YdBTEX2 during bioaugmentation in polluted soils. Environmental Microbiomes, 2021, 16, 8.	5.0	7
10	Environmental connectivity controls diversity in soil microbial communities. Communications Biology, 2021, 4, 492.	4.4	14
11	Ribose-Binding Protein Mutants With Improved Interaction Towards the Non-natural Ligand 1,3-Cyclohexanediol. Frontiers in Bioengineering and Biotechnology, 2021, 9, 705534.	4.1	2
12	A Miniaturized Microbe-Silicon-Chip Based on Bioluminescent Engineered Escherichia coli for the Evaluation of Water Quality and Safety. International Journal of Environmental Research and Public Health, 2021, 18, 7580.	2.6	1
13	Assessing Antibiotics Biodegradation and Effects at Sub-inhibitory Concentrations by Quantitative Microbial Community Deconvolution. Frontiers in Environmental Science, 2021, 9, .	3.3	4
14	Rapid detection of microbiota cell type diversity using machine-learned classification of flow cytometry data. Communications Biology, 2020, 3, 379.	4.4	24
15	Greater topoclimatic control of above versus below ground communities. Global Change Biology, 2020, 26, 6715-6728.	9.5	11
16	Insights into Mobile Genetic Elements of the Biocide-Degrading Bacterium Pseudomonas nitroreducens HBP-1. Genes, 2020, 11, 930.	2.4	5
17	Bioluminescence-Triggered Photoswitchable Bacterial Adhesions Enable Higher Sensitivity and Dual-Readout Bacterial Biosensors for Mercury. ACS Sensors, 2020, 5, 2205-2210.	7.8	21
18	Mechanistic insights into bacterial metabolic reprogramming from omics-integrated genome-scale models. Npj Systems Biology and Applications, 2020, 6, 1.	3.0	62

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19	An analog to digital converter controls bistable transfer competence development of a widespread bacterial integrative and conjugative element. <i>ELife</i> , 2020, 9, .	6.0	9
20	Biosensors in Monitoring Water Quality and Safety: An Example of a Miniaturizable Whole-Cell Based Sensor for Hg ²⁺ Optical Detection in Water. <i>Water (Switzerland)</i> , 2019, 11, 1986.	2.7	17
21	Transient Replication in Specialized Cells Favors Transfer of an Integrative and Conjugative Element. <i>MBio</i> , 2019, 10, .	4.1	17
22	Archaeorhizomycetes Spatial Distribution in Soils Along Wide Elevational and Environmental Gradients Reveal Co-abundance Patterns With Other Fungal Saprotrophs and Potential Weathering Capacities. <i>Frontiers in Microbiology</i> , 2019, 10, 656.	3.5	30
23	The urgent need for microbiology literacy in society. <i>Environmental Microbiology</i> , 2019, 21, 1513-1528.	3.8	99
24	Probing chemotaxis activity in <i>Escherichia coli</i> using fluorescent protein fusions. <i>Scientific Reports</i> , 2019, 9, 3845.	3.3	6
25	Genomic changes underlying host specialization in the bee gut symbiont <i>Lactobacillus Firm5</i> . <i>Molecular Ecology</i> , 2019, 28, 2224-2237.	3.9	45
26	Bridging the Holistic-Reductionist Divide in Microbial Ecology. <i>MSystems</i> , 2019, 4, .	3.8	29
27	Computational redesign of the <i>Escherichia coli</i> ribose-binding protein ligand binding pocket for 1,3-cyclohexanediol and cyclohexanol. <i>Scientific Reports</i> , 2019, 9, 16940.	3.3	5
28	Engineering of Sensory Proteins with New Ligand-Binding Capacities. , 2019, , 1-21.		3
29	Meta-scale mountain grassland observatories uncover commonalities as well as specific interactions among plant and non-rhizosphere soil bacterial communities. <i>Scientific Reports</i> , 2018, 8, 5758.	3.3	15
30	Physiological and transcriptome changes induced by <i>Pseudomonas putida</i> acquisition of an integrative and conjugative element. <i>Scientific Reports</i> , 2018, 8, 5550.	3.3	21
31	Quantitative chemical biosensing by bacterial chemotaxis in microfluidic chips. <i>Environmental Microbiology</i> , 2018, 20, 241-258.	3.8	31
32	Genomic Islands Confer Heavy Metal Resistance in <i>Mucilaginibacter kameinonensis</i> and <i>Mucilaginibacter rubeus</i> Isolated from a Gold/Copper Mine. <i>Genes</i> , 2018, 9, 573.	2.4	18
33	Host diet mediates a negative relationship between abundance and diversity of <i>Drosophila</i> gut microbiota. <i>Ecology and Evolution</i> , 2018, 8, 9491-9502.	1.9	29
34	Prospects for harnessing biocide resistance for bioremediation and detoxification. <i>Science</i> , 2018, 360, 743-746.	12.6	114
35	Bacterial bioreporter detection of arsenic associated with iron oxides. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 913-922.	3.5	4
36	Heterologous Expression of <i>Pseudomonas putida</i> Methyl-Accepting Chemotaxis Proteins Yields <i>Escherichia coli</i> Cells Chemotactic to Aromatic Compounds. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	6

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37	Mechanistic Modeling of Genetic Circuits for ArsR Arsenic Regulation. ACS Synthetic Biology, 2017, 6, 862-874.	3.8	18
38	Miniaturized and integrated whole cell living bacterial sensors in field applicable autonomous devices. Current Opinion in Biotechnology, 2017, 45, 24-33.	6.6	64
39	Editorial overview: Environmental biotechnology. Current Opinion in Biotechnology, 2017, 45, ix-xi.	6.6	0
40	Draft Genome Sequence of Microbacterium foliorum Strain 122 Isolated from a Plant Growing in a Chronically Hydrocarbon-Contaminated Site. Genome Announcements, 2017, 5, .	0.8	9
41	The hidden life of integrative and conjugative elements. FEMS Microbiology Reviews, 2017, 41, 512-537.	8.6	180
42	Adaptation to Chronic Nutritional Stress Leads to Reduced Dependence on Microbiota in <i>Drosophila melanogaster</i> . MBio, 2017, 8, .	4.1	39
43	Complete alanine scanning of the Escherichia coli RbsB ribose binding protein reveals residues important for chemoreceptor signaling and periplasmic abundance. Scientific Reports, 2017, 7, 8245.	3.3	12
44	Draft Genome Sequence of Plantibacter flavus Strain 251 Isolated from a Plant Growing in a Chronically Hydrocarbon-Contaminated Site. Genome Announcements, 2017, 5, .	0.8	8
45	The Genome of the Toluene-Degrading Pseudomonas veronii Strain 1YdBTEX2 and Its Differential Gene Expression in Contaminated Sand. PLoS ONE, 2016, 11, e0165850.	2.5	24
46	Immediate ecotoxicological effects of short-lived oil spills on marine biota. Nature Communications, 2016, 7, 11206.	12.8	120
47	Challenges in microbial ecology: building predictive understanding of community function and dynamics. ISME Journal, 2016, 10, 2557-2568.	9.8	570
48	Comparison of differential gene expression to water stress among bacteria with relevant pollutantâ€degradation properties. Environmental Microbiology Reports, 2016, 8, 91-102.	2.4	16
49	Towards improved biomonitoring tools for an intensified sustainable multiâ€use environment. Microbial Biotechnology, 2016, 9, 658-665.	4.2	6
50	Local Environmental Factors Drive Divergent Grassland Soil Bacterial Communities in the Western Swiss Alps. Applied and Environmental Microbiology, 2016, 82, 6303-6316.	3.1	63
51	Highly variable individual donor cell fates characterize robust horizontal gene transfer of an integrative and conjugative element. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3375-E3383.	7.1	40
52	An automated microreactor for semi-continuous biosensor measurements. Lab on A Chip, 2016, 16, 1383-1392.	6.0	13
53	Regulatable and Modifiable Background Expression Control in Prokaryotic Synthetic Circuits by Auxiliary Repressor Binding Sites. ACS Synthetic Biology, 2016, 5, 36-45.	3.8	41
54	Measurements of Hydrocarbon Pollutants in Aqueous Samples Using Bacterial Bioreporter Assays. Springer Protocols, 2015, , 247-257.	0.3	2

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55	<sc><i>S</i></sc> <i>phingomonas wittichii</i>â€¦<sc>RW</sc> 1 gene reporters interrogating the dibenzofuran metabolic network highlight conditions for early successful development in contaminated microcosms. Environmental Microbiology Reports, 2015, 7, 480-488.	2.4	11
56	Generalist hydrocarbonâ€degrading bacterial communities in the oilâ€polluted water column of the <sc>N</sc>orth <sc>S</sc>ea. Microbial Biotechnology, 2015, 8, 434-447.	4.2	72
57	Sequencing and characterizing the genome of Estrella lausannensis as an undergraduate project: training students and biological insights. Frontiers in Microbiology, 2015, 6, 101.	3.5	32
58	Comparative genome analysis of <sc><i>P</i></sc> <i>seudomonas knackmussii</i>â€¦<sc>B</sc> 13, the first bacterium known to degrade chloroaromatic compounds. Environmental Microbiology, 2015, 17, 91-104.	3.8	52
59	Genome-wide analysis of <i>Sphingomonas wittichii</i> RW1 behaviour during inoculation and growth in contaminated sand. ISME Journal, 2015, 9, 150-165.	9.8	40
60	An Operon of Three Transcriptional Regulators Controls Horizontal Gene Transfer of the Integrative and Conjugative Element ICEclc in Pseudomonas knackmussii B13. PLoS Genetics, 2014, 10, e1004441.	3.5	27
61	Identification of genes potentially involved in solute stress response in Sphingomonas wittichii RW1 by transposon mutant recovery. Frontiers in Microbiology, 2014, 5, 585.	3.5	4
62	The TetR-Type MfsR Protein of the Integrative and Conjugative Element (ICE) ICE clc Controls both a Putative Efflux System and Initiation of ICE Transfer. Journal of Bacteriology, 2014, 196, 3971-3979.	2.2	14
63	Compact portable biosensor for arsenic detection in aqueous samples with <i>Escherichia coli</i> bioreporter cells. Review of Scientific Instruments, 2014, 85, 015120.	1.3	51
64	Identification of <i>opsA</i> , a Gene Involved in Solute Stress Mitigation and Survival in Soil, in the Polycyclic Aromatic Hydrocarbon-Degrading Bacterium Novosphingobium sp. Strain LH128. Applied and Environmental Microbiology, 2014, 80, 3350-3361.	3.1	10
65	Life History Analysis of Integrative and Conjugative Element Activation in Growing Microcolonies of Pseudomonas. Journal of Bacteriology, 2014, 196, 1425-1434.	2.2	9
66	Transcriptional profiling of <sc>G</sc>ramâ€positive <sc><i>A</i></sc> <i>throbacter</i> in the phyllosphere: induction of pollutant degradation genes by natural plant phenolic compounds. Environmental Microbiology, 2014, 16, 2212-2225.	3.8	39
67	First Day of an Oil Spill on the Open Sea: Early Mass Transfers of Hydrocarbons to Air and Water. Environmental Science & Technology, 2014, 48, 9400-9411.	10.0	78
68	Escherichia coli ribose binding protein based bioreporters revisited. Scientific Reports, 2014, 4, 5626.	3.3	25
69	Genetic, Genomic, and System Analyses for Pure Cultures and Communities: Protocol â€“ Ultra-High-Throughput Transposon Scanning of Bacterial Genomes. Springer Protocols, 2014, , 51-70.	0.3	1
70	Impact of Mycelia on the Accessibility of Fluorene to PAH-Degrading Bacteria. Environmental Science & Technology, 2013, 47, 6908-6915.	10.0	73
71	Electrochemical As(III) whole-cell based biochip sensor. Biosensors and Bioelectronics, 2013, 47, 237-242.	10.1	69
72	A New Large-DNA-Fragment Delivery System Based on Integrase Activity from an Integrative and Conjugative Element. Applied and Environmental Microbiology, 2013, 79, 4440-4447.	3.1	21

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73	Examining Chemical Compound Biodegradation at Low Concentrations through Bacterial Cell Proliferation. <i>Environmental Science & Technology</i> , 2013, 47, 1913-1921.	10.0	9
74	Bioreporters and biosensors for arsenic detection. <i>Biotechnological solutions for a world-wide pollution problem. Current Opinion in Biotechnology</i> , 2013, 24, 534-541.	6.6	61
75	Cell Differentiation to "Mating Bodies" Induced by an Integrating and Conjugative Element in Free-Living Bacteria. <i>Current Biology</i> , 2013, 23, 255-259.	3.9	40
76	Community-wide plasmid gene mobilization and selection. <i>ISME Journal</i> , 2013, 7, 1173-1186.	9.8	124
77	Genome-wide transposon insertion scanning of environmental survival functions in the polycyclic aromatic hydrocarbon degrading bacterium <i>Sphingomonas wittichii</i> RW1. <i>Environmental Microbiology</i> , 2013, 15, 2681-2695.	3.8	36
78	Tunable reporter signal production in feedback-uncoupled arsenic bioreporters. <i>Microbial Biotechnology</i> , 2013, 6, 503-514.	4.2	25
79	Characterization of a MexAB-OprM efflux system necessary for productive metabolism of <i>Pseudomonas azelaica</i> HBP1 on 2-hydroxybiphenyl. <i>Frontiers in Microbiology</i> , 2013, 4, 203.	3.5	11
80	Improved Statistical Analysis of Low Abundance Phenomena in Bimodal Bacterial Populations. <i>PLoS ONE</i> , 2013, 8, e78288.	2.5	15
81	Exposure to Solute Stress Affects Genome-Wide Expression but Not the Polycyclic Aromatic Hydrocarbon-Degrading Activity of <i>Sphingomonas</i> sp. Strain LH128 in Biofilms. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8311-8320.	3.1	26
82	Cellular Variability of RpoS Expression Underlies Subpopulation Activation of an Integrative and Conjugative Element. <i>PLoS Genetics</i> , 2012, 8, e1002818.	3.5	46
83	Field Testing of Arsenic in Groundwater Samples of Bangladesh Using a Test Kit Based on Lyophilized Bioreporter Bacteria. <i>Environmental Science & Technology</i> , 2012, 46, 3281-3287.	10.0	70
84	Reversible and Irreversible Pollutant-Induced Bacterial Cellular Stress Effects Measured by Ethidium Bromide Uptake and Efflux. <i>Environmental Science & Technology</i> , 2012, 46, 1201-1208.	10.0	9
85	Genome-Wide Analysis of Salicylate and Dibenzofuran Metabolism in <i>Sphingomonas Wittichii</i> RW1. <i>Frontiers in Microbiology</i> , 2012, 3, 300.	3.5	29
86	A Flow Cytometry Based Oligotrophic Pollutant Exposure Test To Detect Bacterial Growth Inhibition and Cell Injury. <i>Environmental Science & Technology</i> , 2011, 45, 5820-5827.	10.0	18
87	Development of a microfluidics biosensor for agarose-bead immobilized <i>Escherichia coli</i> bioreporter cells for arsenite detection in aqueous samples. <i>Lab on A Chip</i> , 2011, 11, 2369.	6.0	75
88	Development of bioreporter assays for the detection of bioavailability of long-chain alkanes based on the marine bacterium <i>Alcanivorax borkumensis</i> strain SK2. <i>Environmental Microbiology</i> , 2011, 13, 2808-2819.	3.8	25
89	A dual functional origin of transfer in the ICEclc genomic island of <i>Pseudomonas knackmussii</i> B13. <i>Molecular Microbiology</i> , 2011, 79, 743-758.	2.5	41
90	Transcriptome and membrane fatty acid analyses reveal different strategies for responding to permeating and non-permeating solutes in the bacterium <i>Sphingomonas wittichii</i> . <i>BMC Microbiology</i> , 2011, 11, 250.	3.3	36

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91	Miniaturized bacterial biosensor system for arsenic detection holds great promise for making integrated measurement device. <i>Bioengineered Bugs</i> , 2011, 2, 296-298.	1.7	12
92	How can a dual oriT system contribute to efficient transfer of an integrative and conjugative element?. <i>Mobile Genetic Elements</i> , 2011, 1, 82-84.	1.8	5
93	Characterisation of the Putative Effector Interaction Site of the Regulatory HbpR Protein from <i>Pseudomonas azelaica</i> by Site-Directed Mutagenesis. <i>PLoS ONE</i> , 2011, 6, e16539.	2.5	5
94	Transcriptomic analysis of phenanthrene degrading <i>Sphingomonas</i> biofilms exposed to environmentally relevant solute and matrix stresses. <i>Communications in Agricultural and Applied Biological Sciences</i> , 2011, 76, 69-72.	0.0	0
95	Development of a Multistrain Bacterial Bioreporter Platform for the Monitoring of Hydrocarbon Contaminants in Marine Environments. <i>Environmental Science & Technology</i> , 2010, 44, 1049-1055.	10.0	69
96	Effect of two types of biosurfactants on phenanthrene availability to the bacterial bioreporter <i>Burkholderia sartisoli</i> strain RP037. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1131-1139.	3.6	29
97	Transcriptome analysis of the mobile genome ICE _{clc} in <i>Pseudomonas knackmussii</i> B13. <i>BMC Microbiology</i> , 2010, 10, 153.	3.3	26
98	Let the sun shine. <i>Current Opinion in Biotechnology</i> , 2010, 21, 235-237.	6.6	2
99	Characterisation of microbial communities colonising the hyphal surfaces of arbuscular mycorrhizal fungi. <i>ISME Journal</i> , 2010, 4, 752-763.	9.8	215
100	Where microbiology meets microengineering: design and applications of reporter bacteria. <i>Nature Reviews Microbiology</i> , 2010, 8, 511-522.	28.6	466
101	Response to Comment on "Unlike PAHs from Exxon Valdez Crude Oil, PAHs from Gulf of Alaska Coals are not Readily Bioavailable". <i>Environmental Science & Technology</i> , 2010, 44, 2212-2213.	10.0	5
102	Bacterial Sensors: Synthetic Design and Application Principles. <i>Synthesis Lectures on Synthetic Biology</i> , 2010, 2, 1-167.	0.0	10
103	Bioremediation, a broad perspective. <i>Microbial Biotechnology</i> , 2009, 2, 125-127.	4.2	16
104	Biochip with <i>E. coli</i> bacteria for detection of arsenic in drinking water. <i>Procedia Chemistry</i> , 2009, 1, 1003-1006.	0.7	24
105	Development of bacteria-based bioassays for arsenic detection in natural waters. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 687-693.	3.7	72
106	Optimization of preservation conditions of As (III) bioreporter bacteria. <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 785-792.	3.6	18
107	Intracellular excision and reintegration dynamics of the ICE _{clc} genomic island of <i>Pseudomonas knackmussii</i> sp. strain B13. <i>Molecular Microbiology</i> , 2009, 72, 1293-1306.	2.5	56
108	Genomic islands: tools of bacterial horizontal gene transfer and evolution. <i>FEMS Microbiology Reviews</i> , 2009, 33, 376-393.	8.6	817

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109	Toxicity of triclosan, penconazole and metalaxyl on <i>Caulobacter crescentus</i> and a freshwater microbial community as assessed by flow cytometry. <i>Environmental Microbiology</i> , 2009, 11, 1682-1691.	3.8	20
110	Double-tagged fluorescent bacterial bioreporter for the study of polycyclic aromatic hydrocarbon diffusion and bioavailability. <i>Environmental Microbiology</i> , 2009, 11, 2271-2283.	3.8	39
111	Novel Use of a Whole Cell <i>E. coli</i> Bioreporter as a Urinary Exposure Biomarker. <i>Environmental Science & Technology</i> , 2009, 43, 423-428.	10.0	17
112	Unlike PAHs from Exxon Valdez Crude Oil, PAHs from Gulf of Alaska Coals are not Readily Bioavailable. <i>Environmental Science & Technology</i> , 2009, 43, 5864-5870.	10.0	26
113	Enhanced biodegradation of hexachlorocyclohexane (HCH) in contaminated soils via inoculation with <i>Sphingobium indicum</i> B90A. <i>Biodegradation</i> , 2008, 19, 27-40.	3.0	71
114	Seasonal Fluctuations of Bacterial Community Diversity in Agricultural Soil and Experimental Validation by Laboratory Disturbance Experiments. <i>Microbial Ecology</i> , 2008, 56, 210-222.	2.8	19
115	Mutant HbpR transcription activator isolation for 2-chlorobiphenyl via green fluorescent protein-based flow cytometry and cell sorting. <i>Microbial Biotechnology</i> , 2008, 1, 68-78.	4.2	37
116	Internal arsenite bioassay calibration using multiple bioreporter cell lines. <i>Microbial Biotechnology</i> , 2008, 1, 149-157.	4.2	45
117	Use of flow cytometric methods for single-cell analysis in environmental microbiology. <i>Current Opinion in Microbiology</i> , 2008, 11, 205-212.	5.1	136
118	Comparison of naphthalene bioavailability determined by whole-cell biosensing and availability determined by extraction with Tenax. <i>Environmental Pollution</i> , 2008, 156, 803-808.	7.5	27
119	Host and invader impact of transfer of the <i>clc</i> genomic island into <i>Pseudomonas aeruginosa</i> PAO1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7058-7063.	7.1	62
120	Bacterial Biosensors for Measuring Availability of Environmental Pollutants. <i>Sensors</i> , 2008, 8, 4062-4080.	3.8	91
121	<i>Burkholderia sartisoli</i> sp. nov., isolated from a polycyclic aromatic hydrocarbon-contaminated soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 420-423.	1.7	39
122	Stochasticity and bistability in horizontal transfer control of a genomic island in <i>Pseudomonas</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20792-20797.	7.1	68
123	Artificial Neural Network Study of Whole-Cell Bacterial Bioreporter Response Determined Using Fluorescence Flow Cytometry. <i>Analytical Chemistry</i> , 2007, 79, 9107-9114.	6.5	18
124	Analysis of Bioavailable Arsenic in Rice with Whole Cell Living Bioreporter Bacteria. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2115-2120.	5.2	50
125	Bioreporters: <i>gfp</i> versus <i>lux</i> revisited and single-cell response. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1578-1585.	10.1	45
126	Environmental pollution promotes selection of microbial degradation pathways. <i>Frontiers in Ecology and the Environment</i> , 2006, 4, 35-42.	4.0	56

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127	A new green fluorescent protein-based bacterial biosensor for analysing phenanthrene fluxes. <i>Environmental Microbiology</i> , 2006, 8, 697-708.	3.8	55
128	Bacterial community structure of a pesticide-contaminated site and assessment of changes induced in community structure during bioremediation. <i>FEMS Microbiology Ecology</i> , 2006, 57, 116-127.	2.7	76
129	Information from single-cell bacterial biosensors: what is it good for?. <i>Current Opinion in Biotechnology</i> , 2006, 17, 4-10.	6.6	40
130	Analytics with engineered bacterial bioreporter strains and systems. <i>Current Opinion in Biotechnology</i> , 2006, 17, 1-3.	6.6	128
131	Whole-cell living biosensors—are they ready for environmental application?. <i>Applied Microbiology and Biotechnology</i> , 2006, 70, 273-280.	3.6	192
132	Using Bacteria to Quantify Arsenic Contamination in Potable Water. <i>Chimia</i> , 2006, 60, 631-631.	0.6	0
133	Purification and Characterization of Two Enantioselective $\hat{\pm}$ -Ketoglutarate-Dependent Dioxygenases, RdpA and SdpA, from <i>Sphingomonas herbicidovorans</i> MH. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4853-4861.	3.1	52
134	The <i>Element of Pseudomonas</i> sp. Strain B13, a Genomic Island with Various Catabolic Properties. <i>Journal of Bacteriology</i> , 2006, 188, 1999-2013.	2.2	153
135	Evolution of Catabolic Pathways in <i>Pseudomonas</i> Through Gene Transfer. , 2006, , 189-236.		6
136	Characterization of HbpR binding by site-directed mutagenesis of its DNA-binding site and by deletion of the effector domain. <i>FEBS Journal</i> , 2005, 272, 1756-1766.	4.7	6
137	Response Characteristics of Arsenic-Sensitive Bioreporters Expressing the <i>gfp</i> Reporter Gene. <i>Mikrochimica Acta</i> , 2005, 151, 209-216.	5.0	12
138	Effect of Groundwater Composition on Arsenic Detection by Bacterial Biosensors. <i>Mikrochimica Acta</i> , 2005, 151, 217-222.	5.0	23
139	Enantioselective Transformation of $\hat{\pm}$ -Hexachlorocyclohexane by the Dehydrochlorinases LinA1 and LinA2 from the Soil Bacterium <i>Sphingomonas paucimobilis</i> B90A. <i>Applied and Environmental Microbiology</i> , 2005, 71, 8514-8518.	3.1	93
140	Bacterial Bioassay for Rapid and Accurate Analysis of Arsenic in Highly Variable Groundwater Samples. <i>Environmental Science & Technology</i> , 2005, 39, 7625-7630.	10.0	149
141	Ultrasensitive Reporter Protein Detection in Genetically Engineered Bacteria. <i>Analytical Chemistry</i> , 2005, 77, 2683-2689.	6.5	47
142	Dynamics of Multiple <i>lin</i> Gene Expression in <i>Sphingomonas paucimobilis</i> B90A in Response to Different Hexachlorocyclohexane Isomers. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6650-6656.	3.1	39
143	Organization of <i>lin</i> Genes and IS 6100 among Different Strains of Hexachlorocyclohexane-Degrading <i>Sphingomonas paucimobilis</i> : Evidence for Horizontal Gene Transfer. <i>Journal of Bacteriology</i> , 2004, 186, 2225-2235.	2.2	138
144	Genetic Analysis of Phenoxyalkanoic Acid Degradation in <i>Sphingomonas herbicidovorans</i> MH. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6066-6075.	3.1	54

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145	Relationship between sediment organic matter, bacteria composition, and the ecosystem metabolism of alpine streams. <i>Limnology and Oceanography</i> , 2004, 49, 2001-2010.	3.1	41
146	Design of new promoters and of a dual-bioreporter based on cross-activation by the two regulatory proteins XylR and HbpR. <i>Environmental Microbiology</i> , 2004, 6, 1186-1196.	3.8	17
147	Illuminating the detection chain of bacterial bioreporters. <i>Environmental Microbiology</i> , 2004, 6, 1005-1020.	3.8	149
148	Mutation analysis of the different <i>tfd</i> genes for degradation of chloroaromatic compounds in <i>Ralstonia eutropha</i> JMP134. <i>Archives of Microbiology</i> , 2004, 181, 112-121.	2.2	17
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