

Gerrit Voordouw

List of Publications by Year in descending order

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papers

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citations

41323

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127
times ranked

4669
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#	ARTICLE	IF	CITATIONS
1	The genome sequence of the anaerobic, sulfate-reducing bacterium <i>Desulfovibrio vulgaris</i> Hildenborough. <i>Nature Biotechnology</i> , 2004, 22, 554-559.	9.4	559
2	Oil Field Souring Control by Nitrate-Reducing <i>Sulfurospirillum</i> spp. That Outcompete Sulfate-Reducing Bacteria for Organic Electron Donors. <i>Applied and Environmental Microbiology</i> , 2007, 73, 2644-2652.	1.4	287
3	Isolation and Characterization of Strains CVO and FWKO B, Two Novel Nitrate-Reducing, Sulfide-Oxidizing Bacteria Isolated from Oil Field Brine. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2491-2501.	1.4	253
4	A Post-Genomic View of the Ecophysiology, Catabolism and Biotechnological Relevance of Sulphate-Reducing Prokaryotes. <i>Advances in Microbial Physiology</i> , 2015, 66, 55-321.	1.0	238
5	Rubredoxin and Rubredoxin Oxidoreductase in <i>Desulfovibrio vulgaris</i> : a Novel Oxidative Stress Protection System. <i>Journal of Bacteriology</i> , 2001, 183, 101-108.	1.0	213
6	Metagenomics of Hydrocarbon Resource Environments Indicates Aerobic Taxa and Genes to be Unexpectedly Common. <i>Environmental Science & Technology</i> , 2013, 47, 10708-10717.	4.6	179
7	Nucleotide sequence of the gene encoding the hydrogenase from <i>Desulfovibrio vulgaris</i> (Hildenborough). <i>FEBS Journal</i> , 1985, 148, 515-520.	0.2	178
8	Carbon and Sulfur Cycling by Microbial Communities in a Gypsum-Treated Oil Sands Tailings Pond. <i>Environmental Science & Technology</i> , 2011, 45, 439-446.	4.6	177
9	Physiological and Gene Expression Analysis of Inhibition of <i>Desulfovibrio vulgaris</i> Hildenborough by Nitrite. <i>Journal of Bacteriology</i> , 2004, 186, 7944-7950.	1.0	155
10	Sulfide Remediation by Pulsed Injection of Nitrate into a Low Temperature Canadian Heavy Oil Reservoir. <i>Environmental Science & Technology</i> , 2009, 43, 9512-9518.	4.6	150
11	Corrosion risk associated with microbial souring control using nitrate or nitrite. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 272-282.	1.7	138
12	The Electron Transfer System of Syntrophically Grown <i>Desulfovibrio vulgaris</i> . <i>Journal of Bacteriology</i> , 2009, 191, 5793-5801.	1.0	133
13	Carbon Monoxide Cycling by <i>Desulfovibrio vulgaris</i> Hildenborough. <i>Journal of Bacteriology</i> , 2002, 184, 5903-5911.	1.0	131
14	Distribution of Hydrogenase Genes in <i>Desulfovibrio</i> spp. and Their Use in Identification of Species from the Oil Field Environment. <i>Applied and Environmental Microbiology</i> , 1990, 56, 3748-3754.	1.4	118
15	Massive dominance of <i>Epsilonproteobacteria</i> in formation waters from a Canadian oil sands reservoir containing severely biodegraded oil. <i>Environmental Microbiology</i> , 2012, 14, 387-404.	1.8	117
16	Containment of Biogenic Sulfide Production in Continuous Up-Flow Packed-Bed Bioreactors with Nitrate or Nitrite. <i>Biotechnology Progress</i> , 2003, 19, 338-345.	1.3	112
17	Reverse Sample Genome Probing, a New Technique for Identification of Bacteria in Environmental Samples by DNA Hybridization, and Its Application to the Identification of Sulfate-Reducing Bacteria in Oil Field Samples. <i>Applied and Environmental Microbiology</i> , 1991, 57, 3070-3078.	1.4	108
18	Identification of Distinct Communities of Sulfate-Reducing Bacteria in Oil Fields by Reverse Sample Genome Probing. <i>Applied and Environmental Microbiology</i> , 1992, 58, 3542-3552.	1.4	102

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19	Function of Oxygen Resistance Proteins in the Anaerobic, Sulfate-Reducing Bacterium <i>Desulfovibrio vulgaris</i> Hildenborough. <i>Journal of Bacteriology</i> , 2003, 185, 71-79.	1.0	95
20	Synergistic Inhibition of Microbial Sulfide Production by Combinations of the Metabolic Inhibitor Nitrite and Biocides. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7897-7901.	1.4	94
21	Deletion of the hmc operon of <i>Desulfovibrio vulgaris</i> subsp. <i>vulgaris</i> Hildenborough hampers hydrogen metabolism and low-redox-potential niche establishment. <i>Archives of Microbiology</i> , 2000, 174, 143-151.	1.0	93
22	Composition of Soil Microbial Communities Enriched on a Mixture of Aromatic Hydrocarbons. <i>Applied and Environmental Microbiology</i> , 2000, 66, 5282-5289.	1.4	92
23	Binding of additional histones to chromatin core particles. <i>Nature</i> , 1978, 273, 446-448.	13.7	91
24	Acetate Production from Oil under Sulfate-Reducing Conditions in Bioreactors Injected with Sulfate and Nitrate. <i>Applied and Environmental Microbiology</i> , 2013, 79, 5059-5068.	1.4	90
25	Competitive Oxidation of Volatile Fatty Acids by Sulfate- and Nitrate-Reducing Bacteria from an Oil Field in Argentina. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4324-4335.	1.4	88
26	Production-related petroleum microbiology: progress and prospects. <i>Current Opinion in Biotechnology</i> , 2011, 22, 401-405.	3.3	88
27	Evolution of Hydrogenase Genes. <i>Advances in Inorganic Chemistry</i> , 1992, , 397-422.	0.4	85
28	Effect of nitrate and nitrite on sulfide production by two thermophilic, sulfate-reducing enrichments from an oil field in the North Sea. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 195-203.	1.7	85
29	Effects of Deletion of Genes Encoding Fe-Only Hydrogenase of <i>Desulfovibrio vulgaris</i> Hildenborough on Hydrogen and Lactate Metabolism. <i>Journal of Bacteriology</i> , 2002, 184, 679-686.	1.0	81
30	Gene Expression Analysis of Energy Metabolism Mutants of <i>Desulfovibrio vulgaris</i> Hildenborough Indicates an Important Role for Alcohol Dehydrogenase. <i>Journal of Bacteriology</i> , 2003, 185, 4345-4353.	1.0	81
31	Quantitative Reverse Sample Genome Probing of Microbial Communities and Its Application to Oil Field Production Waters. <i>Applied and Environmental Microbiology</i> , 1993, 59, 4101-4114.	1.4	81
32	Function of Periplasmic Hydrogenases in the Sulfate-Reducing Bacterium <i>Desulfovibrio vulgaris</i> Hildenborough. <i>Journal of Bacteriology</i> , 2007, 189, 6159-6167.	1.0	78
33	Cloning of the gene encoding the hydrogenase from <i>Desulfovibrio vulgaris</i> (Hildenborough) and determination of the NH ₂ -terminal sequence. <i>FEBS Journal</i> , 1985, 148, 509-514.	0.2	77
34	Compositions of microbial communities associated with oil and water in a mesothermic oil field. <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 493-506.	0.7	75
35	Effect of Sodium Bisulfite Injection on the Microbial Community Composition in a Brackish-Water-Transporting Pipeline. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6908-6917.	1.4	74
36	Toluene Depletion in Produced Oil Contributes to Souring Control in a Field Subjected to Nitrate Injection. <i>Environmental Science & Technology</i> , 2012, 46, 1285-1292.	4.6	71

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37	Impact of Nitrate-Mediated Microbial Control of Souring in Oil Reservoirs on the Extent of Corrosion. <i>Biotechnology Progress</i> , 2001, 17, 852-859.	1.3	70
38	Analysis of environmental microbial communities by reverse sample genome probing. <i>Journal of Microbiological Methods</i> , 2003, 53, 211-219.	0.7	70
39	Microbial community succession in a bioreactor modeling a souring low-temperature oil reservoir subjected to nitrate injection. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 799-810.	1.7	68
40	The role of acetogens in microbially influenced corrosion of steel. <i>Frontiers in Microbiology</i> , 2014, 5, 268.	1.5	68
41	Control of Sulfide Production in High Salinity Bakken Shale Oil Reservoirs by Halophilic Bacteria Reducing Nitrate to Nitrite. <i>Frontiers in Microbiology</i> , 2017, 8, 1164.	1.5	65
42	Elucidating microbial processes in nitrate- and sulfate-reducing systems using sulfur and oxygen isotope ratios: The example of oil reservoir souring control. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3864-3879.	1.6	62
43	Modulation of the Redox Potentials of FMN in <i>Desulfovibrio vulgaris</i> Flavodoxin: Thermodynamic Properties and Crystal Structures of Glycine-61 Mutants. <i>Biochemistry</i> , 1998, 37, 8405-8416.	1.2	61
44	Ammonium Concentrations in Produced Waters from a Mesothermic Oil Field Subjected to Nitrate Injection Decrease through Formation of Denitrifying Biomass and Anammox Activity. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4977-4987.	1.4	61
45	Rubredoxin: Oxygen Oxidoreductase Enhances Survival of <i>Desulfovibrio vulgaris</i> Hildenborough under Microaerophilic Conditions. <i>Journal of Bacteriology</i> , 2006, 188, 6253-6260.	1.0	59
46	Microbial community and potential functional gene diversity involved in anaerobic hydrocarbon degradation and methanogenesis in an oil sands tailings pond. <i>Genome</i> , 2013, 56, 612-618.	0.9	57
47	Implications of Limited Thermophilicity of Nitrite Reduction for Control of Sulfide Production in Oil Reservoirs. <i>Applied and Environmental Microbiology</i> , 2016, 82, 4190-4199.	1.4	57
48	Function of formate dehydrogenases in <i>Desulfovibrio vulgaris</i> Hildenborough energy metabolism. <i>Microbiology (United Kingdom)</i> , 2013, 159, 1760-1769.	0.7	56
49	Phoenix 2: A locally installable large-scale 16S rRNA gene sequence analysis pipeline with Web interface. <i>Journal of Biotechnology</i> , 2013, 167, 393-403.	1.9	53
50	Control of Microbial Sulfide Production with Biocides and Nitrate in Oil Reservoir Simulating Bioreactors. <i>Frontiers in Microbiology</i> , 2015, 6, 1387.	1.5	52
51	Targeted gene-replacement mutagenesis of <i>dcrA</i> , encoding an oxygen sensor of the sulfate-reducing bacterium <i>Desulfovibrio vulgaris</i> Hildenborough. <i>Microbiology (United Kingdom)</i> , 1997, 143, 1815-1826.	0.7	50
52	Competitive, Microbially-Mediated Reduction of Nitrate with Sulfide and Aromatic Oil Components in a Low-Temperature, Western Canadian Oil Reservoir. <i>Environmental Science & Technology</i> , 2008, 42, 8941-8946.	4.6	49
53	Expression of the gamma-subunit gene of desulfovirdin-type dissimilatory sulfite reductase and of the alpha- and beta-subunit genes is not coordinately regulated. <i>FEBS Journal</i> , 1993, 211, 501-507.	0.2	48
54	Comparison of microbial communities involved in souring and corrosion in offshore and onshore oil production facilities in Nigeria. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 665-678.	1.4	46

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55	Effect of Thermophilic Nitrate Reduction on Sulfide Production in High Temperature Oil Reservoir Samples. <i>Frontiers in Microbiology</i> , 2017, 8, 1573.	1.5	46
56	Gene expression analysis of the mechanism of inhibition of <i>Desulfovibrio vulgaris</i> Hildenborough by nitrate-reducing, sulfide-oxidizing bacteria. <i>Environmental Microbiology</i> , 2005, 7, 1461-1465.	1.8	44
57	Effect of selected biocides on microbiologically influenced corrosion caused by <i>Desulfovibrio ferrophilus</i> IS5. <i>Scientific Reports</i> , 2018, 8, 16620.	1.6	43
58	Identification of Hydrocarbon-Degrading Bacteria in Soil by Reverse Sample Genome Probing. <i>Applied and Environmental Microbiology</i> , 1998, 64, 637-645.	1.4	43
59	Composition of Toluene-Degrading Microbial Communities from Soil at Different Concentrations of Toluene. <i>Applied and Environmental Microbiology</i> , 1999, 65, 3064-3070.	1.4	43
60	Roles of Thermophiles and Fungi in Bitumen Degradation in Mostly Cold Oil Sands Outcrops. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6825-6838.	1.4	41
61	Crystal Structure of Dissimilatory Sulfite Reductase D (DsrD) Protein – Possible Interaction with B- and Z-DNA by Its Winged-Helix Motif. <i>Structure</i> , 2003, 11, 1133-1140.	1.6	40
62	Gene Expression by the Sulfate-Reducing Bacterium <i>Desulfovibrio vulgaris</i> Hildenborough Grown on an Iron Electrode under Cathodic Protection Conditions. <i>Applied and Environmental Microbiology</i> , 2008, 74, 2404-2413.	1.4	40
63	Site-directed mutagenesis of the small subunit of ribulose-1,5-bisphosphate carboxylase/oxygenase from <i>Anacystis nidulans</i> . <i>FEBS Journal</i> , 1987, 163, 591-598.	0.2	39
64	Relation between the activity of anaerobic microbial populations in oil sands tailings ponds and the sedimentation of tailings. <i>Chemosphere</i> , 2010, 81, 663-668.	4.2	39
65	Microbially Enhanced Oil Recovery by Sequential Injection of Light Hydrocarbon and Nitrate in Low-And High-Pressure Bioreactors. <i>Environmental Science & Technology</i> , 2015, 49, 12594-12601.	4.6	39
66	Use of Acetate, Propionate, and Butyrate for Reduction of Nitrate and Sulfate and Methanogenesis in Microcosms and Bioreactors Simulating an Oil Reservoir. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	36
67	The Effectiveness of Nitrate-Mediated Control of the Oil Field Sulfur Cycle Depends on the Toluene Content of the Oil. <i>Frontiers in Microbiology</i> , 2017, 8, 956.	1.5	36
68	Ferric iron reduction by <i>Desulfovibrio vulgaris</i> Hildenborough wild type and energy metabolism mutants. <i>Antonie Van Leeuwenhoek</i> , 2008, 93, 79-85.	0.7	35
69	<i>Microbiology to Help Solve Our Energy Needs</i> . <i>Annals of the New York Academy of Sciences</i> , 2008, 1125, 345-352.	1.8	35
70	Impact of light oil toxicity on sulfide production by acetate-oxidizing, sulfate-reducing bacteria. <i>International Biodeterioration and Biodegradation</i> , 2018, 126, 208-215.	1.9	33
71	Effects of biocides on gene expression in the sulfate-reducing bacterium <i>Desulfovibrio vulgaris</i> Hildenborough. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1109-1118.	1.7	32
72	Prospects for using native and recombinant rhamnolipid producers for microbially enhanced oil recovery. <i>International Biodeterioration and Biodegradation</i> , 2013, 81, 133-140.	1.9	32

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73	Overexpression, purification and immunodetection of DsrD from <i>Desulfovibrio vulgaris</i> Hildenborough. <i>Antonie Van Leeuwenhoek</i> , 2000, 77, 271-280.	0.7	30
74	Microbial Methane Production Associated with Carbon Steel Corrosion in a Nigerian Oil Field. <i>Frontiers in Microbiology</i> , 2015, 6, 1538.	1.5	30
75	Sulfur cycling in mixed cultures of sulfide-oxidizing and sulfate- or sulfur-reducing oil field bacteria. <i>Canadian Journal of Microbiology</i> , 1999, 45, 905-913.	0.8	29
76	A universal system for the transport of redox proteins: early roots and latest developments. <i>Biophysical Chemistry</i> , 2000, 86, 131-140.	1.5	29
77	Effect of sulfide on growth physiology and gene expression of <i>Desulfovibrio vulgaris</i> Hildenborough. <i>Antonie Van Leeuwenhoek</i> , 2010, 97, 11-20.	0.7	29
78	Biodegradation of isopropanol and acetone under denitrifying conditions by <i>Thauera</i> sp. TK001 for nitrate-mediated microbially enhanced oil recovery. <i>Journal of Hazardous Materials</i> , 2017, 334, 68-75.	6.5	29
79	Effects of two diamine biocides on the microbial community from an oil field. <i>Canadian Journal of Microbiology</i> , 1998, 44, 1060-1065.	0.8	27
80	Contribution of rubredoxin:oxygen oxidoreductases and hybrid cluster proteins of <i>Desulfovibrio vulgaris</i> Hildenborough to survival under oxygen and nitrite stress. <i>Environmental Microbiology</i> , 2012, 14, 2711-2725.	1.8	27
81	Microbial community structure and microbial activities related to CO ₂ storage capacities of a salt cavern. <i>International Biodeterioration and Biodegradation</i> , 2013, 81, 82-87.	1.9	27
82	Metagenomic Analysis Indicates Epsilonproteobacteria as a Potential Cause of Microbial Corrosion in Pipelines Injected with Bisulfite. <i>Frontiers in Microbiology</i> , 2016, 7, 28.	1.5	27
83	Use of Homogeneously-Sized Carbon Steel Ball Bearings to Study Microbially-Influenced Corrosion in Oil Field Samples. <i>Frontiers in Microbiology</i> , 2016, 7, 351.	1.5	26
84	Overexpression of <i>Desulfovibrio vulgaris</i> Hildenborough cytochrome c553 in <i>Desulfovibrio desulfuricans</i> G200. Evidence of conformational heterogeneity in the oxidized protein by NMR. <i>FEBS Journal</i> , 1993, 218, 293-301.	0.2	25
85	Microbially enhanced oil recovery from miniature model columns through stimulation of indigenous microflora with nitrate. <i>International Biodeterioration and Biodegradation</i> , 2014, 96, 135-143.	1.9	25
86	Electron transfer pathways of formate-driven H ₂ production in <i>Desulfovibrio</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8135-8146.	1.7	25
87	Transformation of iron sulfide to greigite by nitrite produced by oil field bacteria. <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 369-376.	1.7	24
88	Biochemical, genetic and genomic characterization of anaerobic electron transport pathways in sulfate-reducing <i>Delta</i> proteobacteria. , 2007, , 215-240.		23
89	Studies on ColE1-plasmid DNA and its interactions with histones: sedimentation velocity studies of monodisperse complexes reconstituted with calf-thymus histones. <i>Nucleic Acids Research</i> , 1977, 4, 1207-1224.	6.5	21
90	A genomic island of the sulfate-reducing bacterium <i>Desulfovibrio vulgaris</i> Hildenborough promotes survival under stress conditions while decreasing the efficiency of anaerobic growth. <i>Environmental Microbiology</i> , 2009, 11, 981-991.	1.8	20

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91	Sulfate-Reducing Bacteria Lower Sulfur-Mediated Pitting Corrosion under Conditions of Oxygen Ingress. <i>Environmental Science & Technology</i> , 2012, 46, 9183-9190.	4.6	20
92	Contribution of make-up water to the microbial community in an oilfield from which oil is produced by produced water re-injection. <i>International Biodeterioration and Biodegradation</i> , 2013, 81, 44-50.	1.9	20
93	Effect of calcium ions and anaerobic microbial activity on sedimentation of oil sands tailings. <i>International Biodeterioration and Biodegradation</i> , 2013, 81, 9-16.	1.9	18
94	Souring in low-temperature surface facilities of two high-temperature Argentinian oil fields. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8017-8029.	1.7	18
95	Interaction of oil sands tailings particles with polymers and microbial cells: First steps toward reclamation to soil. <i>Biopolymers</i> , 2013, 99, 257-262.	1.2	17
96	The dcr gene family of <i>Desulfovibrio</i> : Implications from the sequence of dcrH and phylogenetic comparison with other mcp genes. <i>Antonie Van Leeuwenhoek</i> , 1996, 70, 21-29.	0.7	16
97	Microbially Enhanced Oil Recovery by Alkylbenzene-Oxidizing Nitrate-Reducing Bacteria. <i>Frontiers in Microbiology</i> , 2019, 10, 1243.	1.5	15
98	Biocide-mediated corrosion of coiled tubing. <i>PLoS ONE</i> , 2017, 12, e0181934.	1.1	14
99	Methods for Recovery of Microorganisms and Intact Microbial Polar Lipids from Oil-Water Mixtures: Laboratory Experiments and Natural Well-Head Fluids. <i>Analytical Chemistry</i> , 2009, 81, 4130-4136.	3.2	13
100	Nitrate-Mediated Microbially Enhanced Oil Recovery (N-MEOR) from model upflow bioreactors. <i>Journal of Hazardous Materials</i> , 2017, 324, 94-99.	6.5	13
101	Effect of long term application of tetrakis(hydroxymethyl)phosphonium sulfate (THPS) in a light oil-producing oilfield. <i>Biofouling</i> , 2018, 34, 605-617.	0.8	13
102	Membrane topology of the methyl-accepting chemotaxis protein DcrA from <i>Desulfovibrio vulgaris</i> Hildenborough. <i>Antonie Van Leeuwenhoek</i> , 1994, 65, 7-12.	0.7	12
103	Changes in soil microbial community composition induced by cometabolism of toluene and trichloroethylene. <i>Biodegradation</i> , 2005, 16, 11-22.	1.5	12
104	Comparison of Nitrate and Perchlorate in Controlling Sulfidogenesis in Heavy Oil-Containing Bioreactors. <i>Frontiers in Microbiology</i> , 2018, 9, 2423.	1.5	12
105	Effect of nitrite on a thermophilic, methanogenic consortium from an oil storage tank. <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 1308-1315.	1.7	11
106	Synergy of Sodium Nitroprusside and Nitrate in Inhibiting the Activity of Sulfate Reducing Bacteria in Oil-Containing Bioreactors. <i>Frontiers in Microbiology</i> , 2018, 9, 981.	1.5	11
107	Rubredoxin and Rubredoxin Oxidoreductase in <i>Desulfovibrio vulgaris</i> : a Novel Oxidative Stress Protection System. <i>Journal of Bacteriology</i> , 2001, 183, 2970-2970.	1.0	11
108	Use of Nitrate or Nitrite for the Management of the Sulfur Cycle in Oil and Gas Fields. , 2007, , .		10

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109	Aerobic microbial taxa dominate deep subsurface cores from the Alberta oil sands. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	10
110	Use of carbon steel ball bearings to determine the effect of biocides and corrosion inhibitors on microbiologically influenced corrosion under flow conditions. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5741-5751.	1.7	10
111	Emerging Oil Field Biotechnologies: Prevention of Oil Field Souring by Nitrate Injection. , 0, , 377-388.		10
112	Anaerobic microbial communities and their potential for bioenergy production in heavily biodegraded petroleum reservoirs. <i>Environmental Microbiology</i> , 2020, 22, 3049-3065.	1.8	9
113	Primers for <i>dsr</i> Genes and Most Probable Number Method for Detection of Sulfate-Reducing Bacteria in Oil Reservoirs. <i>Springer Protocols</i> , 2015, , 35-43.	0.1	8
114	Microbial sulfite oxidation coupled to nitrate reduction in makeup water for oil production. <i>Chemosphere</i> , 2021, 284, 131298.	4.2	8
115	Biodegradation of dicyclopentadiene in the field. <i>Biodegradation</i> , 1999, 10, 135-148.	1.5	7
116	Microbial Populations of the River-Recharged Fredericton Aquifer. <i>Geomicrobiology Journal</i> , 2005, 22, 311-324.	1.0	7
117	Biochemical, proteomic and genetic characterization of oxygen survival mechanisms in sulphate-reducing bacteria of the genus <i>Desulfovibrio</i> . , 2007, , 185-214.		7
118	Oxygen exposure increases resistance of <i>Desulfovibrio vulgaris</i> Hildenborough to killing by hydrogen peroxide. <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 303-311.	0.7	6
119	Halophilic Methylophilic Methanogens May Contribute to the High Ammonium Concentrations Found in Shale Oil and Shale Gas Reservoirs. <i>Frontiers in Energy Research</i> , 2019, 7, .	1.2	6
120	Impact of Nitrate on the Sulfur Cycle in Oil Fields. , 2008, , 296-302.		6
121	Microbial community composition at an ethane pyrolysis plant site at different hydrocarbon inputs. <i>FEMS Microbiology Ecology</i> , 2002, 40, 233-241.	1.3	5
122	Sequential and structural analysis of [NiFe]-hydrogenase-maturation proteins from <i>Desulfovibrio vulgaris</i> Miyazaki F. <i>Antonie Van Leeuwenhoek</i> , 2006, 90, 281-290.	0.7	5
123	On the analysis of DNA-protein interactions: Nucleosome formation by the interaction of SV-40 DNA with histones. <i>Biopolymers</i> , 1977, 16, 1363-1366.	1.2	3
124	Microbial Community Dynamics During Bioremediation of Hydrocarbons. <i>Soil Biology</i> , 2004, , 19-36.	0.6	2
125	Laboratory Protocols for Investigating Microbial Souring and Potential Treatments in Crude Oil Reservoirs. <i>Springer Protocols</i> , 2015, , 183-210.	0.1	1
126	Function and Assembly of Electron-Transport Complexes in <i>Desulfovibrio vulgaris</i> Hildenborough. , 2003, , 99-112.		0