Nicolas Tsesmetzis

List of Publications by Year
in descending order

28 papers	1,085 citations	516215 16 h-index	610482 24 g-index
29 all docs	29 docs citations	29 times ranked	1770 citing authors

#	Article	IF	Citations
1	IMG/VR: a database of cultured and uncultured DNA Viruses and retroviruses. Nucleic Acids Research, 2016, 45, D457-D465.	6.5	177
2	Succession in the petroleum reservoir microbiome through an oil field production lifecycle. ISME Journal, 2017, 11, 2141-2154.	4.4	136
3	Complementary Microorganisms in Highly Corrosive Biofilms from an Offshore Oil Production Facility. Applied and Environmental Microbiology, 2016, 82, 2545-2554.	1.4	135
4	Damage to offshore production facilities by corrosive microbial biofilms. Applied Microbiology and Biotechnology, 2018, 102, 2525-2533.	1.7	70
5	Beyond the tip of the iceberg; a new view of the diversity of sulfite- and sulfate-reducing microorganisms. ISME Journal, 2018, 12, 2096-2099.	4.4	67
6	Molecular cloning and characterization of an almond 9-hydroperoxide lyase, a new CYP74 targeted to lipid bodies*. Journal of Experimental Botany, 2005, 56, 2321-2333.	2.4	54
7	Arabidopsis Reactome: A Foundation Knowledgebase for Plant Systems Biology. Plant Cell, 2008, 20, 1426-1436.	3.1	52
8	Comparative metagenomics of hydrocarbon and methane seeps of the Gulf of Mexico. Scientific Reports, 2017, 7, 16015.	1.6	52
9	Will Membranes Break Barriers on Volatile Fatty Acid Recovery from Anaerobic Digestion?. ACS ES&T Engineering, 2021, 1, 141-153.	3.7	39
10	Microbial redox processes in deep subsurface environments and the potential application of (per)chlorate in oil reservoirs. Frontiers in Microbiology, 2014, 5, 428.	1.5	37
11	Dynamic bacterial and fungal microbiomes during sweet sorghum ensiling impact bioethanol production. Bioresource Technology, 2018, 264, 163-173.	4.8	37
12	Bioelectrochemical remediation of phenanthrene in a microbial fuel cell using an anaerobic consortium enriched from a hydrocarbon-contaminated site. Journal of Hazardous Materials, 2020, 389, 121845.	6.5	32
13	Subcellular localisation of Medicago truncatula9/13-hydroperoxide lyase reveals a new localisation pattern and activation mechanism for CYP74C enzymes. BMC Plant Biology, 2007, 7, 58.	1.6	30
14	Perchlorate and chlorate reduction by the <scp>C</scp>renarchaeon <scp>A</scp>eropyrum pernix and two thermophilic <scp>F</scp>irmicutes. Environmental Microbiology Reports, 2015, 7, 936-945.	1.0	30
15	Microbial and Isotopic Evidence for Methane Cycling in Hydrocarbon-Containing Groundwater from the Pennsylvania Region. Frontiers in Microbiology, 2017, 8, 593.	1.5	30
16	Contrasting Pathways for Anaerobic Methane Oxidation in Gulf of Mexico Cold Seep Sediments. MSystems, 2019, 4, .	1.7	27
17	Microbial community analysis of three hydrocarbon reservoir cores provides valuable insights for the assessment of reservoir souring potential. International Biodeterioration and Biodegradation, 2018, 126, 177-188.	1.9	15
18	Preservation of ancestral Cretaceous microflora recovered from a hypersaline oil reservoir. Scientific Reports, 2016, 6, 22960.	1.6	14

#	Article	IF	Citations
19	Syngas mediated microbial electrosynthesis for CO2 to acetate conversion using Clostridium ljungdahlii. Resources, Conservation and Recycling, 2022, 184, 106395.	5.3	14
20	Proposal of Improved Biomonitoring Standard for Purpose of Microbiologically Influenced Corrosion Risk Assessment. , 2016, , .		8
21	Syntrophic Hydrocarbon Degradation in a Decommissioned Off-Shore Subsea Oil Storage Structure. Microorganisms, 2021, 9, 356.	1.6	7
22	Diagnosing microbiologically influenced corrosion at a crude oil pipeline facility leak site â€“ A multiple lines of evidence approach. International Biodeterioration and Biodegradation, 2022, 172, 105438.	1.9	7
23	Electrocatalytic Membranes for Tunable Syngas Production and High-Efficiency Delivery to Biocompatible Electrolytes. ACS Sustainable Chemistry and Engineering, 2021, 9, 6012-6022.	3.2	6
24	The gateway pDEST17 expression vector encodes a â^'1 ribosomal frameshifting sequence. Nucleic Acids Research, 2007, 35, 1322-1332.	6.5	5
25	MIxS-HCR: a MIxS extension defining a minimal information standard for sequence data from environments pertaining to hydrocarbon resources. Standards in Genomic Sciences, 2016, 11, 78.	1.5	2
26	MetaHCR: a web-enabled metagenome data management system for hydrocarbon resources. Database: the Journal of Biological Databases and Curation, 2018, 2018, 1-10.	1.4	1
27	TheArabidopsis Localizome: Subcellular Protein Localization and Interactions inARABIDOPSIS. , 0, , 61-81.		0
28	Using genomics for environmental monitoring in the oil and gas industry. Integrated Environmental Assessment and Management, 2017, 13, 797-799.	1.6	0