

Gerrit Jan Willem Euverink

List of Publications by Year in descending order

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53
papers

2,262
citations

236912

25
h-index

214788

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all docs

53
docs citations

53
times ranked

3106
citing authors

#	ARTICLE	IF	CITATIONS
1	A Technological Overview of Biogas Production from Biowaste. <i>Engineering</i> , 2017, 3, 299-307.	6.7	382
2	Biofilm Formation on Reverse Osmosis Membranes Is Initiated and Dominated by <i>Sphingomonas</i> spp. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2623-2632.	3.1	157
3	Analysis of the microbial community of the biocathode of a hydrogen-producing microbial electrolysis cell. <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 1083-1093.	3.6	157
4	Consolidated briefing of biochemical ethanol production from lignocellulosic biomass. <i>Electronic Journal of Biotechnology</i> , 2016, 23, 44-53.	2.2	121
5	Molecular Characterization of the Bacterial Communities in the Different Compartments of a Full-Scale Reverse-Osmosis Water Purification Plant. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5297-5304.	3.1	120
6	A Brief Recap of Microbial Adhesion and Biofilms. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2801.	2.5	105
7	Theoretical analysis of biogas potential prediction from agricultural waste. <i>Resource-efficient Technologies</i> , 2016, 2, 143-147.	0.1	95
8	Effect of conventional chemical treatment on the microbial population in a biofouling layer of reverse osmosis systems. <i>Water Research</i> , 2011, 45, 405-416.	11.3	83
9	Exploring and exploiting starch-modifying amylomaltases from thermophiles. <i>Biochemical Society Transactions</i> , 2004, 32, 279-282.	3.4	70
10	Selection and evaluation of adsorbents for the removal of anionic surfactants from laundry rinsing water. <i>Water Research</i> , 2007, 41, 4233-4241.	11.3	69
11	Influence of setup and carbon source on the bacterial community of biocathodes in microbial electrolysis cells. <i>Enzyme and Microbial Technology</i> , 2014, 61-62, 67-75.	3.2	58
12	Conversion of Cyclodextrin Glycosyltransferase into a Starch Hydrolase by Directed Evolution: The Role of Alanine 230 in Acceptor Subsite +1. <i>Biochemistry</i> , 2003, 42, 7518-7526.	2.5	57
13	Different Physiological Roles of ATP- and PP _i -Dependent Phosphofructokinase Isoenzymes in the Methylophilic Actinomycete <i>Amicycolopsis methanolica</i> . <i>Journal of Bacteriology</i> , 2001, 183, 7231-7240.	2.2	51
14	A PESTLE Analysis of Biofuels Energy Industry in Europe. <i>Sustainability</i> , 2019, 11, 5981.	3.2	50
15	Biogas Potential from the Anaerobic Digestion of Potato Peels: Process Performance and Kinetics Evaluation. <i>Energies</i> , 2019, 12, 2311.	3.1	48
16	Co-digestion of cow and sheep manure: Performance evaluation and relative microbial activity. <i>Renewable Energy</i> , 2020, 153, 553-563.	8.9	47
17	Electrochemical removal and recovery of humic-like substances from wastewater. <i>Separation and Purification Technology</i> , 2013, 108, 37-44.	7.9	45
18	The biomethanation of cow manure in a continuous anaerobic digester can be boosted via a bioaugmentation culture containing Bathyarchaeota. <i>Science of the Total Environment</i> , 2020, 745, 141042.	8.0	45

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19	Rambling facets of manure-based biogas production in Europe: A briefing. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109566.	16.4	41
20	Mutational analysis of the role of calcium ions in the <i>Lactobacillus reuteri</i> strain 121 fructosyltransferase (levansucrase and inulosucrase) enzymes. <i>FEBS Letters</i> , 2005, 579, 1124-1128.	2.8	39
21	Enhanced Biogas Production from the Anaerobic Batch Treatment of Banana Peels. <i>Engineering</i> , 2019, 5, 970-978.	6.7	37
22	Rapid identification of target genes for 3-methyl-1-butanol production in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2006, 70, 237-246.	3.6	35
23	Elevated biogas production from the anaerobic co-digestion of farmhouse waste: Insight into the process performance and kinetics. <i>Waste Management and Research</i> , 2019, 37, 1240-1249.	3.9	32
24	Influence of sheep manure addition on biogas potential and methanogenic communities during cow dung digestion under mesophilic conditions. <i>Sustainable Environment Research</i> , 2018, 28, 240-246.	4.2	29
25	Purification, characterization and regulation of a monomeric L-phenylalanine dehydrogenase from the facultative methylotroph <i>Nocardia</i> sp. 239. <i>Archives of Microbiology</i> , 1989, 153, 12-18.	2.2	28
26	Growth of the salt-tolerant yeast in microtiter plates: effects of NaCl, pH and temperature on growth and fusel alcohol production from branched-chain amino acids. <i>FEMS Yeast Research</i> , 2003, 3, 313-318.	2.3	24
27	Effect of Combined Inoculation on Biogas Production from Hardly Degradable Material. <i>Energies</i> , 2019, 12, 217.	3.1	24
28	Enzymatic Biodiesel Synthesis by the Biphase Esterification of Oleic Acid and 1-Butanol in Microreactors. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15432-15444.	3.7	18
29	Relating MEC population dynamics to anode performance from DGGE and electrical data. <i>Systematic and Applied Microbiology</i> , 2013, 36, 408-416.	2.8	17
30	The impact of carbon to nitrogen ratios and pH on the microbial prevalence and polyhydroxybutyrate production levels using a mixed microbial starter culture. <i>Science of the Total Environment</i> , 2022, 811, 152341.	8.0	17
31	Feasibility Study of Biogas Production from Hardly Degradable Material in Co-Inoculated Bioreactor. <i>Energies</i> , 2019, 12, 1040.	3.1	16
32	A Technological Understanding of Biofilm Detection Techniques: A Review. <i>Materials</i> , 2020, 13, 3147.	2.9	16
33	Genome-wide transcription survey on flavour production in <i>Saccharomyces cerevisiae</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2006, 22, 1347-1356.	3.6	14
34	Kinetic analysis of anionic surfactant adsorption from aqueous solution onto activated carbon and layered double hydroxide with the zero length column method. <i>Separation and Purification Technology</i> , 2009, 68, 199-207.	7.9	14
35	Growth of the salt-tolerant yeast <i>Zygosaccharomyces rouxi</i> in microtiter plates: effects of NaCl, pH and temperature on growth and fusel alcohol production from branched-chain amino acids. <i>FEMS Yeast Research</i> , 2003, 3, 313-318.	2.3	13
36	<i>Thaueria aminoaromatica</i> MZ1T Identified as a Polyhydroxyalkanoate-Producing Bacterium within a Mixed Microbial Consortium. <i>Bioengineering</i> , 2020, 7, 19.	3.5	13

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37	Preliminary Assessment of a Biogas-based Power Plant from Organic Waste in the North Netherlands. <i>Energies</i> , 2019, 12, 4034.	3.1	9
38	Feasibility Assessment of a Bioethanol Plant in the Northern Netherlands. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4586.	2.5	9
39	Encapsulation of <i>Lactobacillus casei</i> (ATCC 393) by Pickering-Stabilized Antibubbles as a New Method to Protect Bacteria against Low pH. <i>Colloids and Interfaces</i> , 2020, 4, 40.	2.1	7
40	Miniaturization and 3D Printing of Bioreactors: A Technological Mini Review. <i>Micromachines</i> , 2020, 11, 853.	2.9	6
41	High-throughput screening for gene libraries expressing carbohydrate hydrolase activity. <i>Biotechnology Letters</i> , 2003, 25, 1643-1645.	2.2	5
42	Functional polyketones for the removal of calcium and magnesium from water (part I): synthesis and chemical characterization. <i>Pure and Applied Chemistry</i> , 2017, 89, 41-50.	1.9	5
43	Development and validation of an alternative parameter for quantification of signals emitted by fluorescently labelled bacteria in microscopic images. <i>Journal of Microbiological Methods</i> , 2019, 166, 105717.	1.6	5
44	Industrial Perspectives on Assays. , 2006, , 95-135.		4
45	Optimization of layered double hydroxide stability and adsorption capacity for anionic surfactants. <i>Adsorption</i> , 2007, 13, 523-532.	3.0	4
46	Different binarization processes validated against manual counts of fluorescent bacterial cells. <i>Journal of Microbiological Methods</i> , 2016, 128, 118-124.	1.6	4
47	Functional polyketones for the removal of calcium and magnesium from water (Part II): cross-linking and functional characterization. <i>Pure and Applied Chemistry</i> , 2017, 89, 51-60.	1.9	4
48	A novel dye-linked alcohol dehydrogenase activity present in some Gram-positive bacteria. <i>FEMS Microbiology Letters</i> , 1991, 80, 57-63.	1.8	4
49	Effect of Temperature and Organic Load on the Performance of Anaerobic Bioreactors Treating Grasses. <i>Environments - MDPI</i> , 2020, 7, 82.	3.3	3
50	Fabrication of a Nitrogen and Boron-Doped Reduced Graphene Oxide Membrane-Less Amperometric Sensor for Measurement of Dissolved Oxygen in a Microbial Fermentation. <i>Chemosensors</i> , 2020, 8, 44.	3.6	3
51	Manufacturing of a Nafion-coated, Reduced Graphene Oxide/Polyaniline Chemiresistive Sensor to Monitor pH in Real-time During Microbial Fermentation. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	1
52	Influence of Liquid-to-Gas Ratio on the Syngas Fermentation Efficiency: An Experimental Approach. <i>Bioengineering</i> , 2020, 7, 138.	3.5	1
53	A relook on the biofuels: how can industrial processes underpin the drive for sustainable development?. , 2021, , 381-397.		1