

Andreas Otto Wagner

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,566
citations

304602

22
h-index

330025

37
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58
all docs

58
docs citations

58
times ranked

1940
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Can the addition of biochar improve the performance of biogas digesters operated at 45°C?. <i>Environmental Engineering Research</i> , 2022, 27, 200648-0. | 1.5 | 3 |
| 2 | The glutamyl tail length of the cofactor F420 in the methanogenic Archaea <i>Methanosarcina thermophila</i> and <i>Methanoculleus thermophilus</i> . <i>Science of the Total Environment</i> , 2022, 809, 151112. | 3.9 | 13 |
| 3 | Detection and abundance of SARS-CoV-2 in wastewater in Liechtenstein, and the estimation of prevalence and impact of the B.1.1.7 variant. <i>Journal of Water and Health</i> , 2022, 20, 114-125. | 1.1 | 18 |
| 4 | Low-Temperature Biodegradation of Lignin-Derived Aromatic Model Monomers by the Cold-Adapted Yeast <i>Rhodospiridiobolus colostri</i> Isolated from Alpine Forest Soil. <i>Microorganisms</i> , 2022, 10, 515. | 1.6 | 5 |
| 5 | Proposal of <i>Thermoactinomyces mirandus</i> sp. nov., a filamentous, anaerobic bacterium isolated from a biogas plant. <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 45-54. | 0.7 | 13 |
| 6 | Lignin intermediates lead to phenyl acid formation and microbial community shifts in meso- and thermophilic batch reactors. <i>Biotechnology for Biofuels</i> , 2021, 14, 27. | 6.2 | 8 |
| 7 | Biodegradation of lignin monomers and bioconversion of ferulic acid to vanillic acid by <i>Paraburkholderia aromaticivorans</i> AR20-38 isolated from Alpine forest soil. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 2967-2977. | 1.7 | 19 |
| 8 | Editorial: Exploring the Role and Function of the Microbiota in Terrestrial Anaerobic Environments and Their Potential Biotechnological Application. <i>Frontiers in Microbiology</i> , 2021, 12, 722268. | 1.5 | 0 |
| 9 | Detection and Stability of SARS-CoV-2 Fragments in Wastewater: Impact of Storage Temperature. <i>Pathogens</i> , 2021, 10, 1215. | 1.2 | 21 |
| 10 | Extraction of Cofactor F ₄₂₀ for Analysis of Polyglutamate Tail Length from Methanogenic Pure Cultures and Environmental Samples. <i>Journal of Visualized Experiments</i> , 2021, , . | 0.2 | 3 |
| 11 | Biomethanation at 45°C offers high process efficiency and supports hygienisation. <i>Bioresource Technology</i> , 2020, 300, 122671. | 4.8 | 17 |
| 12 | Microbial community dynamics in mesophilic and thermophilic batch reactors under methanogenic, phenyl acid-forming conditions. <i>Biotechnology for Biofuels</i> , 2020, 13, 81. | 6.2 | 8 |
| 13 | pH and Phosphate Induced Shifts in Carbon Flow and Microbial Community during Thermophilic Anaerobic Digestion. <i>Microorganisms</i> , 2020, 8, 286. | 1.6 | 14 |
| 14 | Effect of sulfate addition on carbon flow and microbial community composition during thermophilic digestion of cellulose. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 4605-4615. | 1.7 | 24 |
| 15 | Medium Preparation for the Cultivation of Microorganisms under Strictly Anaerobic/Anoxic Conditions. <i>Journal of Visualized Experiments</i> , 2019, , . | 0.2 | 22 |
| 16 | Spiking a Silty-Sand Reference Soil with Bacterial DNA: Limits and Pitfalls in the Discrimination of Live and Dead Cells When Applying Ethidium Monoazide (EMA) Treatment. <i>Current Microbiology</i> , 2019, 76, 1425-1434. | 1.0 | 0 |
| 17 | Formation of phenylacetic acid and phenylpropionic acid under different overload conditions during mesophilic and thermophilic anaerobic digestion. <i>Biotechnology for Biofuels</i> , 2019, 12, 26. | 6.2 | 19 |
| 18 | Microbial and Phenyl Acid Dynamics during the Start-up Phase of Anaerobic Straw Degradation in Meso- and Thermophilic Batch Reactors. <i>Microorganisms</i> , 2019, 7, 657. | 1.6 | 15 |

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|----|--|-----|-----------|
| 19 | Potential methane production and oxidation along the soil chronosequence of the Rotmoos glacier forefield. <i>Bodenkultur</i> , 2019, 70, 19-31. | 0.1 | 1 |
| 20 | Using Digestate Compost as a Substrate for Anaerobic Digestion. <i>Chemical Engineering and Technology</i> , 2018, 41, 747-754. | 0.9 | 6 |
| 21 | Hydrogenotrophic Methanogenesis and Autotrophic Growth of <i>Methanosarcina thermophila</i> . <i>Archaea</i> , 2018, 2018, 1-7. | 2.3 | 35 |
| 22 | Biological Pretreatment Strategies for Second-Generation Lignocellulosic Resources to Enhance Biogas Production. <i>Energies</i> , 2018, 11, 1797. | 1.6 | 169 |
| 23 | Temperature shapes the microbiota in anaerobic digestion and drives efficiency to a maximum at 45°C. <i>Bioresource Technology</i> , 2018, 269, 309-318. | 4.8 | 43 |
| 24 | Plant species, temperature, and bedrock affect net methane flux out of grassland and forest soils. <i>Plant and Soil</i> , 2017, 410, 193-206. | 1.8 | 38 |
| 25 | Sample preparation, preservation, and storage for volatile fatty acid quantification in biogas plants. <i>Engineering in Life Sciences</i> , 2017, 17, 132-139. | 2.0 | 24 |
| 26 | Methane-cycling microorganisms in soils of a high-alpine altitudinal gradient. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiv009. | 1.3 | 22 |
| 27 | Abundance and potential metabolic activity of methanogens in well-aerated forest and grassland soils of an alpine region. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiv171. | 1.3 | 36 |
| 28 | Archaeal Distribution in Moonmilk Deposits from Alpine Caves and Their Ecophysiological Potential. <i>Microbial Ecology</i> , 2016, 71, 686-699. | 1.4 | 21 |
| 29 | New Undescribed Lineages of Non-extremophilic Archaea Form a Homogeneous and Dominant Element Within Alpine Moonmilk Microbiomes. <i>Geomicrobiology Journal</i> , 2015, 32, 890-902. | 1.0 | 12 |
| 30 | Biological pre-treatment: Enhancing biogas production using the highly cellulolytic fungus <i>Trichoderma viride</i> . <i>Waste Management</i> , 2015, 43, 98-107. | 3.7 | 58 |
| 31 | Effect of DNA extraction procedure, repeated extraction and ethidium monoazide (EMA)/propidium monoazide (PMA) treatment on overall DNA yield and impact on microbial fingerprints for bacteria, fungi and archaea in a reference soil. <i>Applied Soil Ecology</i> , 2015, 93, 56-64. | 2.1 | 42 |
| 32 | Lactic acid fermentation within a cascading approach for biowaste treatment. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 3029-3040. | 1.7 | 16 |
| 33 | Methane yields and methanogenic community changes during co-fermentation of cattle slurry with empty fruit bunches of oil palm. <i>Bioresource Technology</i> , 2015, 175, 619-623. | 4.8 | 17 |
| 34 | A closed loop for municipal organic solid waste by lactic acid fermentation. <i>Bioresource Technology</i> , 2015, 175, 142-151. | 4.8 | 49 |
| 35 | Microbial Succession during Thermophilic Digestion: The Potential of <i>Methanosarcina</i> sp. <i>PLoS ONE</i> , 2014, 9, e86967. | 1.1 | 17 |
| 36 | Reactor performance of a 750 m ³ anaerobic digestion plant: Varied substrate input conditions impacting methanogenic community. <i>Anaerobe</i> , 2014, 29, 29-33. | 1.0 | 16 |

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|----|--|-----|-----------|
| 37 | Effects of fertilisation, temperature and water content on microbial properties and methane production and methane oxidation in subalpine soils. <i>European Journal of Soil Biology</i> , 2014, 65, 96-106. | 1.4 | 32 |
| 38 | No oxygen-still vigorous: 8th International Symposium on Anaerobic Microbiology (ISAM 8) Innsbruck, Austria. <i>Anaerobe</i> , 2014, 29, 1-2. | 1.0 | 0 |
| 39 | Cultivation of moonmilk-born non-extremophilic <i>Thaumarchaeota</i> in mixed culture. <i>Anaerobe</i> , 2014, 29, 73-79. | 1.0 | 18 |
| 40 | Effect of different acetate:propionate ratios on the methanogenic community during thermophilic anaerobic digestion in batch experiments. <i>Biochemical Engineering Journal</i> , 2014, 90, 154-161. | 1.8 | 30 |
| 41 | Improvement of methane generation capacity by aerobic pre-treatment of organic waste with a cellulolytic <i>Trichoderma viride</i> culture. <i>Journal of Environmental Management</i> , 2013, 129, 357-360. | 3.8 | 47 |
| 42 | Impact of protein-, lipid- and cellulose-containing complex substrates on biogas production and microbial communities in batch experiments. <i>Science of the Total Environment</i> , 2013, 458-460, 256-266. | 3.9 | 68 |
| 43 | Biowaste: A <i>Lactobacillus</i> habitat and lactic acid fermentation substrate. <i>Bioresource Technology</i> , 2013, 143, 647-652. | 4.8 | 29 |
| 44 | Methanogenic potential of formate in thermophilic anaerobic digestion. <i>Waste Management and Research</i> , 2012, 30, 1031-1040. | 2.2 | 12 |
| 45 | Effects of different nitrogen sources on the biogas production – a lab-scale investigation. <i>Microbiological Research</i> , 2012, 167, 630-636. | 2.5 | 42 |
| 46 | A simple method for the enumeration of methanogens by most probable number counting. <i>Biomass and Bioenergy</i> , 2012, 45, 311-314. | 2.9 | 10 |
| 47 | Methanogenic activities in alpine soils. <i>Folia Microbiologica</i> , 2012, 57, 371-373. | 1.1 | 8 |
| 48 | Effects of various fatty acid amendments on a microbial digester community in batch culture. <i>Waste Management</i> , 2011, 31, 431-437. | 3.7 | 34 |
| 49 | Utilisation of single added fatty acids by consortia of digester sludge in batch culture. <i>Waste Management</i> , 2010, 30, 1822-1827. | 3.7 | 20 |
| 50 | Reduction of accumulated volatile fatty acids by an acetate-degrading enrichment culture. <i>FEMS Microbiology Ecology</i> , 2010, 71, 469-478. | 1.3 | 32 |
| 51 | Application of Denaturing High-Performance Liquid Chromatography in Microbial Ecology: Fermentor Sludge, Compost, and Soil Community Profiling. <i>Applied and Environmental Microbiology</i> , 2009, 75, 956-964. | 1.4 | 34 |
| 52 | Survival of selected pathogens in diluted sludge of a thermophilic waste treatment plant and in NaCl-solution under aerobic and anaerobic conditions. <i>Waste Management</i> , 2009, 29, 425-429. | 3.7 | 31 |
| 53 | Process parameters within a 750,000litre anaerobic digester during a year of disturbed fermenter performance. <i>Waste Management</i> , 2009, 29, 1838-1843. | 3.7 | 21 |
| 54 | Survival of bacterial pathogens during the thermophilic anaerobic digestion of biowaste: Laboratory experiments and in situ validation. <i>Anaerobe</i> , 2008, 14, 181-183. | 1.0 | 42 |

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|----|---|-----|-----------|
| 55 | Removal of Free Extracellular DNA from Environmental Samples by Ethidium Monoazide and Propidium Monoazide. <i>Applied and Environmental Microbiology</i> , 2008, 74, 2537-2539. | 1.4 | 129 |
| 56 | Chemical and Biochemical Parameters During Composting of Lawn Clippings with Special Regard to the Efficiency of a Compost Starter Kit. <i>Compost Science and Utilization</i> , 2007, 15, 40-46. | 1.2 | 10 |
| 57 | Microbial community related to volatile organic compound (VOC) emission in household biowaste. <i>Environmental Microbiology</i> , 2006, 8, 1960-1974. | 1.8 | 61 |