

# Rudolf Markt

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

583  
citations

686830

13  
h-index

752256

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

637  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological Pretreatment Strategies for Second-Generation Lignocellulosic Resources to Enhance Biogas Production. <i>Energies</i> , 2018, 11, 1797.	1.6	169
2	Viral variant-resolved wastewater surveillance of SARS-CoV-2 at national scale. <i>Nature Biotechnology</i> , 2022, 40, 1814-1822.	9.4	82
3	Comparative evaluation of multiple methods to quantify and characterise granular anammox biomass. <i>Water Research</i> , 2015, 68, 194-205.	5.3	37
4	Self-emulsifying drug delivery systems: Design of a novel vaginal delivery system for curcumin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 115, 268-275.	2.0	37
5	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
6	Data filtering methods for SARS-CoV-2 wastewater surveillance. <i>Water Science and Technology</i> , 2021, 84, 1324-1339.	1.2	24
7	Quest for Optimal Regression Models in SARS-CoV-2 Wastewater Based Epidemiology. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10778.	1.2	23
8	Medium Preparation for the Cultivation of Microorganisms under Strictly Anaerobic/Anoxic Conditions. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	22
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	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
11	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
12	Comment on "Synergistic co-digestion of solid-organic-waste and municipal-sewage-sludge: 1 plus 1 equals more than 2 in terms of biogas production and solids reduction" [Water Research 87, 416-423]. <i>Water Research</i> , 2016, 95, 392-393.	5.3	15
13	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
14	pH and Phosphate Induced Shifts in Carbon Flow and Microbial Community during Thermophilic Anaerobic Digestion. <i>Microorganisms</i> , 2020, 8, 286.	1.6	14
15	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
16	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
17	Data modelling recipes for SARS-CoV-2 wastewater-based epidemiology. <i>Environmental Research</i> , 2022, 214, 113809.	3.7	7
18	Extraction of Cofactor F <sub>420</sub> for Analysis of Polyglutamate Tail Length from Methanogenic Pure Cultures and Environmental Samples. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	3

#	ARTICLE	IF	CITATIONS
19	Stability of the Anaerobic Digestion Process during Switch from Parallel to Serial Operationâ€”A Microbiome Study. Sustainability, 2022, 14, 7161.	1.6	2