

Karl Rumbold

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,277
citations

471371

17
h-index

360920

35
g-index

41
all docs

41
docs citations

41
times ranked

2002
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and immobilization of <i>Pycnoporus cinnabarinus</i> carboxylic acid reductase, PcCAR2. <i>Journal of Biotechnology</i> , 2022, 345, 47-54.	1.9	7
2	Synthesis and application of cationised cellulose for removal of Cr(VI) from acid mine-drainage contaminated water. <i>AAS Open Research</i> , 2021, 4, 4.	1.5	7
3	Adaptive Gene Content and Allele Distribution Variations in the Wild and Domesticated Populations of <i>Saccharomyces cerevisiae</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 631250.	1.5	14
4	Bioethanolic yeasts from dung beetles: tapping the potential of extremophilic yeasts for improvement of lignocellulolytic feedstock fermentation. <i>Biotechnology for Biofuels</i> , 2021, 14, 86.	6.2	14
5	Transcriptome and proteome of the corm, leaf and flower of <i>Hypoxis hemerocallidea</i> (African potato). <i>PLoS ONE</i> , 2021, 16, e0253741.	1.1	0
6	Identification and characterisation of a fluorinase from <i>Actinopolyspora mzabensis</i> . <i>Protein Expression and Purification</i> , 2020, 166, 105508.	0.6	17
7	Biodiesel's trash is a biorefineries' treasure: the use of 'dirty' glycerol as an industrial fermentation substrate. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 2.	1.7	24
8	Functional characterisation of the transcriptome from leaf tissue of the fluoroacetate-producing plant, <i>Dichapetalum cymosum</i> , in response to mechanical wounding. <i>Scientific Reports</i> , 2020, 10, 20539.	1.6	7
9	Global Co-occurrence of Acid Mine Drainage and Organic Rich Industrial and Domestic Effluent: Biological sulfate reduction as a co-treatment-option. <i>Journal of Water Process Engineering</i> , 2020, 38, 101650.	2.6	21
10	High-throughput in-field bioprospecting for cyanogenic plants and hydroxynitrile lyases. <i>Biocatalysis and Biotransformation</i> , 2020, 38, 234-240.	1.1	3
11	Bioremediation of acid mine drainage using Fischer-Tropsch waste water as a feedstock for dissimilatory sulfate reduction. <i>Journal of Water Process Engineering</i> , 2020, 35, 101229.	2.6	5
12	The spread of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2): South African resilience and survival strategies. <i>Malawi Medical Journal</i> , 2020, 32, 239-243.	0.2	0
13	<i>Streptomyces albulus</i> yields μ -poly-L-lysine and other products from salt-contaminated glycerol waste. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 1083-1090.	1.4	18
14	The availability of second generation feedstocks for the treatment of acid mine drainage and to improve South Africa's bio-based economy. <i>Science of the Total Environment</i> , 2018, 637-638, 132-136.	3.9	21
15	Enrichment of maize and triticale bran with recombinant <i>Aspergillus tubingensis</i> ferulic acid esterase. <i>Journal of Food Science and Technology</i> , 2017, 54, 778-785.	1.4	8
16	Cellulose degradation capabilities of dung beetle, <i>Euoniticellus intermedius</i> , larva gut consortia. <i>African Journal of Biotechnology</i> , 2016, 15, 315-319.	0.3	1
17	Evaluation of Physicochemical Properties of South African Cashew Apple Juice as a Biofuel Feedstock. <i>Scientifica</i> , 2015, 2015, 1-9.	0.6	14
18	A Systems Approach to Uncover the Effects of the PGPR <i>Pseudomonas koreensis</i> on the Level of Drought Stress Tolerance in <i>Helianthus Annuus</i> . <i>Procedia Environmental Sciences</i> , 2015, 29, 262-263.	1.3	10

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37	Microbial Feruloyl Esterases. ACS Symposium Series, 2004, , 255-270.	0.5	1
38	Influence of Growth Substrate and Free Ferulic Acid on the Production of Feruloyl Esterase by <i>Aureobasidium pullulans</i> . ACS Symposium Series, 2003, , 246-254.	0.5	1
39	Purification and Properties of a Feruloyl Esterase Involved in Lignocellulose Degradation by <i>Aureobasidium pullulans</i> . Applied and Environmental Microbiology, 2003, 69, 5622-5626.	1.4	61
40	Monitoring on-line desalted lignocellulosic hydrolysates by microdialysis sampling micro-high performance anion exchange chromatography with integrated pulsed electrochemical detection/mass spectrometry. Biotechnology and Bioengineering, 2002, 78, 822-828.	1.7	18
41	High-Level Intracellular Expression of Hydroxynitrile Lyase from the Tropical Rubber Tree <i>Hevea brasiliensis</i> in Microbial Hosts. Protein Expression and Purification, 1997, 11, 61-71.	0.6	126