

Marla Tuffin

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,885
citations

304368

22
h-index

264894

42
g-index

64
all docs

64
docs citations

64
times ranked

2820
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and biosynthesis of carotenoids produced by a novel <i>Planococcus</i> sp. isolated from South Africa. <i>Microbial Cell Factories</i> , 2022, 21, 43.	1.9	4
2	Genome Sequence of an <i>Alkaliphilus</i> Species Isolated from Historically Contaminated Sediments of the Gulf of Naples (Mediterranean Sea). <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.3	0
3	Isolation and Characterization of Strain <i>Exiguobacterium</i> sp. KRL4, a Producer of Bioactive Secondary Metabolites from a Tibetan Glacier. <i>Microorganisms</i> , 2021, 9, 890.	1.6	5
4	Therapeutic Application of Lantibiotics and Other Lanthipeptides: Old and New Findings. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0018621.	1.4	29
5	Metagenome-assembled genome (MAG) of <i>Oceanaulis alexandrii</i> NP7 isolated from Mediterranean Sea polluted marine sediments and its bioremediation potential. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	6
6	Genomic Characterization of a Prophage, <i>Smhb1</i> , That Infects <i>Salinivibrio kushneri</i> BNH Isolated from a Namib Desert Saline Spring. <i>Microorganisms</i> , 2021, 9, 2043.	1.6	6
7	Characterization of a highly xylose tolerant β -xylosidase isolated from high temperature horse manure compost. <i>BMC Biotechnology</i> , 2021, 21, 61.	1.7	6
8	Screening Strategies for Biosurfactant Discovery. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2021, , 17-52.	0.6	4
9	Three Novel Bacteria Associated with Two Centric Diatom Species from the Mediterranean Sea, <i>Thalassiosira rotula</i> and <i>Skeletonema marinoi</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 13199.	1.8	5
10	Degradation of Hydrocarbons and Heavy Metal Reduction by Marine Bacteria in Highly Contaminated Sediments. <i>Microorganisms</i> , 2020, 8, 1402.	1.6	34
11	Characterisation of three novel β -L-arabinofuranosidases from a compost metagenome. <i>BMC Biotechnology</i> , 2019, 19, 22.	1.7	6
12	Novel metagenome-derived ornithine lipids identified by functional screening for biosurfactants. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4429-4441.	1.7	21
13	5. Metagenomics of extreme environments: methods and applications. , 2019, , 93-126.		0
14	Factors influencing pigment production by halophilic bacteria and its effect on brine evaporation rates. <i>Microbial Biotechnology</i> , 2019, 12, 334-345.	2.0	6
15	Identification and sequence analysis of two novel cryptic plasmids isolated from the vaginal mucosa of South African women. <i>Plasmid</i> , 2018, 98, 56-62.	0.4	3
16	Novel phages of healthy skin metaviromes from South Africa. <i>Scientific Reports</i> , 2018, 8, 12265.	1.6	28
17	Biogeography and taxonomic overview of terrestrial hot spring thermophilic phages. <i>Extremophiles</i> , 2018, 22, 827-837.	0.9	18
18	Cloning, expression and characterization of thermostable YdaP from <i>Bacillus licheniformis</i> 9A. <i>Acta Biochimica Polonica</i> , 2018, 65, 59-66.	0.3	3

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19	Liquid Phase Multiplex High-Throughput Screening of Metagenomic Libraries Using p-Nitrophenyl-Linked Substrates for Accessory Lignocellulosic Enzymes. <i>Methods in Molecular Biology</i> , 2017, 1539, 219-228.	0.4	3
20	Metagenomics for the Discovery of Novel Biosurfactants. , 2017, , 95-117.		21
21	Antibacterial Activities of Bacteria Isolated from the Marine Sponges <i>Isodictya compressa</i> and <i>Higginsia bidentifera</i> Collected from Algoa Bay, South Africa. <i>Marine Drugs</i> , 2017, 15, 47.	2.2	48
22	Virome Assembly and Annotation: A Surprise in the Namib Desert. <i>Frontiers in Microbiology</i> , 2017, 8, 13.	1.5	28
23	Diversity of dsDNA Viruses in a South African Hot Spring Assessed by Metagenomics and Microscopy. <i>Viruses</i> , 2017, 9, 348.	1.5	22
24	Metaviromics of Namib Desert Salt Pans: A Novel Lineage of Haloarchaeal Salterproviruses and a Rich Source of ssDNA Viruses. <i>Viruses</i> , 2016, 8, 14.	1.5	24
25	Temporal dynamics of hot desert microbial communities reveal structural and functional responses to water input. <i>Scientific Reports</i> , 2016, 6, 34434.	1.6	74
26	Three novel bacteriophages isolated from the East African Rift Valley soda lakes. <i>Virology Journal</i> , 2016, 13, 204.	1.4	11
27	Draft Genome Sequences of Three <i>Bacillus</i> Species from South African Marine Sponges. <i>Genome Announcements</i> , 2016, 4, .	0.8	2
28	Leaching and antimicrobial properties of silver nanoparticles loaded onto natural zeolite clinoptilolite by ion exchange and wet impregnation. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 97-104.	0.9	12
29	Engineering resistance to phage GVE3 in <i>Geobacillus thermoglucosidasius</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1833-1841.	1.7	2
30	Targeted metagenomics as a tool to tap into marine natural product diversity for the discovery and production of drug candidates. <i>Frontiers in Microbiology</i> , 2015, 6, 890.	1.5	98
31	Metagenomic analysis of the viral community in <i>N</i> amib <i>D</i> esert hypoliths. <i>Environmental Microbiology</i> , 2015, 17, 480-495.	1.8	83
32	An unusual feruloyl esterase belonging to family VIII esterases and displaying a broad substrate range. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 118, 79-88.	1.8	15
33	A novel bacterial Water Hypersensitivity-like protein shows <i>in vivo</i> protection against cold and freeze damage. <i>FEMS Microbiology Letters</i> , 2015, 362, fmv110.	0.7	17
34	Impact of metagenomic DNA extraction procedures on the identifiable endophytic bacterial diversity in <i>Sorghum bicolor</i> (L. Moench). <i>Journal of Microbiological Methods</i> , 2015, 112, 104-117.	0.7	71
35	Identification and characterization of a novel <i>Geobacillus thermoglucosidasius</i> bacteriophage, GVE3. <i>Archives of Virology</i> , 2015, 160, 2269-2282.	0.9	14
36	Draft Genome Sequences of Marine Isolates of <i>Thalassomonas viridans</i> and <i>Thalassomonas actinarius</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	2

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37	Structure and functional characterization of pyruvate decarboxylase from <i>Gluconacetobacter diazotrophicus</i> . <i>BMC Structural Biology</i> , 2014, 14, 21.	2.3	18
38	Draft Genome Sequence of the Antarctic Polyextremophile <i>Nesterenkonia</i> sp. Strain AN1. <i>Genome Announcements</i> , 2014, 2, .	0.8	2
39	Niche-dependent genetic diversity in Antarctic metaviromes. <i>Bacteriophage</i> , 2014, 4, e980125.	1.9	12
40	Engineering pyruvate decarboxylase-mediated ethanol production in the thermophilic host <i>Geobacillus thermoglucosidasius</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1247-1259.	1.7	43
41	High-Level Diversity of Tailed Phages, Eukaryote-Associated Viruses, and Virophage-Like Elements in the Metaviromes of Antarctic Soils. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6888-6897.	1.4	121
42	Evidence of variability in the structure and recruitment of rhizospheric and endophytic bacterial communities associated with arable sweet sorghum (<i>Sorghum bicolor</i> (L) Moench). <i>Plant and Soil</i> , 2013, 372, 265-278.	1.8	26
43	Micro-Eukaryotic Diversity in Hypolithons from Miers Valley, Antarctica. <i>Biology</i> , 2013, 2, 331-340.	1.3	9
44	Genome sequence of temperate bacteriophage <i>Psymv2</i> from Antarctic Dry Valley soil isolate <i>Psychrobacter</i> sp. MV2. <i>Extremophiles</i> , 2012, 16, 715-726.	0.9	30
45	Understanding physiological responses to pre-treatment inhibitors in ethanologenic fermentations. <i>Biotechnology Journal</i> , 2012, 7, 1169-1181.	1.8	44
46	Biogeography of bacterial communities in hot springs: a focus on the actinobacteria. <i>Extremophiles</i> , 2012, 16, 669-679.	0.9	49
47	A novel, extremely alkaliphilic and cold-active esterase from Antarctic desert soil. <i>Extremophiles</i> , 2012, 16, 79-86.	0.9	46
48	Non-indigenous microorganisms in the Antarctic: assessing the risks. <i>Trends in Microbiology</i> , 2011, 19, 540-548.	3.5	136
49	Hypolithic microbial communities of quartz rocks from Miers Valley, McMurdo Dry Valleys, Antarctica. <i>Polar Biology</i> , 2011, 34, 1657-1668.	0.5	58
50	Seasonal shifts of the microbial community structure in a winery waste-impacted wetland soil. <i>Transactions of the Royal Society of South Africa</i> , 2011, 66, 41-53.	0.8	1
51	Characterisation of the arsenic resistance genes in <i>Bacillus</i> sp. UWC isolated from maturing fly ash acid mine drainage neutralised solids. <i>South African Journal of Science</i> , 2010, 106, .	0.3	7
52	Extremophiles in biofuel synthesis. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 871-888.	1.2	130
53	Molecular adaptations to psychrophily: the impact of ϕ technologies. <i>Trends in Microbiology</i> , 2010, 18, 374-381.	3.5	240
54	Cobalt Uptake and Resistance to Trace Metals in <i>Comamonas testosteroni</i> Isolated From a Heavy-Metal Contaminated Site in the Zambian Copperbelt. <i>Geomicrobiology Journal</i> , 2010, 27, 656-668.	1.0	16

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55	Metagenomic gene discovery: How far have we moved into novel sequence space?. <i>Biotechnology Journal</i> , 2009, 4, 1671-1683.	1.8	52
56	Capturing global metabolism. <i>Nature Biotechnology</i> , 2009, 27, 1132-1133.	9.4	3
57	Microbial responses to solvent and alcohol stress. <i>Biotechnology Journal</i> , 2008, 3, 1388-1397.	1.8	20
58	Multiple sets of arsenic resistance genes are present within highly arsenic-resistant industrial strains of the biomining bacterium, <i>Acidithiobacillus caldus</i> . <i>International Congress Series</i> , 2004, 1275, 165-172.	0.2	16
59	Induction of Sucrose Utilization Genes from <i>Bifidobacterium lactis</i> by Sucrose and Raffinose. <i>Applied and Environmental Microbiology</i> , 2003, 69, 24-32.	1.4	73