

Luis Zea

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

474
citations

1040056

9
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

429
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenotypic Changes Exhibited by E. coli Cultured in Space. <i>Frontiers in Microbiology</i> , 2017, 8, 1598.	3.5	84
2	Spaceflight Modifies Escherichia coli Gene Expression in Response to Antibiotic Exposure and Reveals Role of Oxidative Stress Response. <i>Frontiers in Microbiology</i> , 2018, 9, 310.	3.5	77
3	Prospective directions for biohydrometallurgy. <i>Hydrometallurgy</i> , 2020, 195, 105376.	4.3	67
4	A Molecular Genetic Basis Explaining Altered Bacterial Behavior in Space. <i>PLoS ONE</i> , 2016, 11, e0164359.	2.5	61
5	Design of a spaceflight biofilm experiment. <i>Acta Astronautica</i> , 2018, 148, 294-300.	3.2	46
6	Potential biofilm control strategies for extended spaceflight missions. <i>Biofilm</i> , 2020, 2, 100026.	3.8	45
7	The smallest space miners: principles of space biomining. <i>Extremophiles</i> , 2022, 26, 7.	2.3	26
8	NASA GeneLab RNA-seq consensus pipeline: Standardized processing of short-read RNA-seq data. <i>IScience</i> , 2021, 24, 102361.	4.1	20
9	In situ resource utilisation: The potential for space biomining. <i>Minerals Engineering</i> , 2022, 176, 107288.	4.3	13
10	Hydrogen Sulfide Absorption Phenomena in Brine/Oil Mixtures. <i>SPE Journal</i> , 2011, 16, 931-939.	3.1	9
11	Potential of <i>Acidithiobacillus ferrooxidans</i> to Grow on and Bioleach Metals from Mars and Lunar Regolith Simulants under Simulated Microgravity Conditions. <i>Microorganisms</i> , 2021, 9, 2416.	3.6	7
12	Preparation for and performance of a <i>Pseudomonas aeruginosa</i> biofilm experiment on board the International Space Station. <i>Acta Astronautica</i> , 2022, 199, 386-400.	3.2	6
13	CubeSats for microbiology and astrobiology research. , 2021, , 147-162.		4
14	Experiment verification test of the Artemis I "Deep Space Radiation Genomics"™ experiment. <i>Acta Astronautica</i> , 2022, 198, 702-706.	3.2	4
15	Role of Pressure and Reaction Time on Corrosion Control of H2S Scavenger. , 2008, , .		3
16	Surface extra-vehicular activity emergency scenario management: Tools, procedures, and geologically related implications. <i>Acta Astronautica</i> , 2010, 67, 60-70.	3.2	2
17	Surface Extra-Vehicular Activity Emergency Scenario Management: Tools, Procedures, and Geologically-Related Implications. , 2009, , .		0