

Patricia Fajardo-Cavazos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12064989/publications.pdf>

Version: 2024-02-01

24
papers

669
citations

567281

15
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

757
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacillus Endospores Isolated from Granite: Close Molecular Relationships to Globally Distributed Bacillus spp. from Endolithic and Extreme Environments. Applied and Environmental Microbiology, 2006, 72, 2856-2863.	3.1	67
2	Bacillus subtilis Spores on Artificial Meteorites Survive Hypervelocity Atmospheric Entry: Implications for Lithopanspermia. Astrobiology, 2005, 5, 726-736.	3.0	66
3	Slow degradation of ATP in simulated martian environments suggests long residence times for the biosignature molecule on spacecraft surfaces on Mars. Icarus, 2008, 194, 86-100.	2.5	59
4	Comparison of Bacillus subtilis transcriptome profiles from two separate missions to the International Space Station. Npj Microgravity, 2019, 5, 1.	3.7	51
5	Cultivation of Staphylococcus epidermidis in the Human Spaceflight Environment Leads to Alterations in the Frequency and Spectrum of Spontaneous Rifampicin-Resistance Mutations in the rpoB Gene. Frontiers in Microbiology, 2016, 7, 999.	3.5	49
6	Testing interplanetary transfer of bacteria between Earth and Mars as a result of natural impact phenomena and human spaceflight activities. Acta Astronautica, 2007, 60, 534-540.	3.2	42
7	Bacterial Spores in Granite Survive Hypervelocity Launch by Spallation: Implications for Lithopanspermia. Astrobiology, 2009, 9, 647-657.	3.0	40
8	Alterations in the Spectrum of Spontaneous Rifampicin-Resistance Mutations in the Bacillus subtilis rpoB Gene after Cultivation in the Human Spaceflight Environment. Frontiers in Microbiology, 2018, 9, 192.	3.5	36
9	Exploring the Low-Pressure Growth Limit: Evolution of Bacillus subtilis in the Laboratory to Enhanced Growth at 5 Kilopascals. Applied and Environmental Microbiology, 2010, 76, 7559-7565.	3.1	34
10	Essential Cysteine Residues in Bacillus subtilis Spore Photoproduct Lyase Identified by Alanine Scanning Mutagenesis. Current Microbiology, 2005, 51, 331-335.	2.2	29
11	Exposure of DNA and Bacillus subtilis Spores to Simulated Martian Environments: Use of Quantitative PCR (qPCR) to Measure Inactivation Rates of DNA to Function as a Template Molecule. Astrobiology, 2010, 10, 403-411.	3.0	29
12	Persistence of Biomarker ATP and ATP-Generating Capability in Bacterial Cells and Spores Contaminating Spacecraft Materials under Earth Conditions and in a Simulated Martian Environment. Applied and Environmental Microbiology, 2008, 74, 5159-5167.	3.1	28
13	Evolution of Bacillus subtilis to Enhanced Growth at Low Pressure: Up-Regulated Transcription of des-desKR, Encoding the Fatty Acid Desaturase System. Astrobiology, 2012, 12, 258-270.	3.0	28
14	Levels of mRNAs which code for small, acid-soluble spore proteins and their LacZ gene fusions in sporulating cells of Bacillus subtilis. Nucleic Acids Research, 1988, 16, 6567-6583.	14.5	26
15	Cultivation in Space Flight Produces Minimal Alterations in the Susceptibility of Bacillus subtilis Cells to 72 Different Antibiotics and Growth-Inhibiting Compounds. Applied and Environmental Microbiology, 2017, 83, .	3.1	17
16	Mechanotransduction in Prokaryotes: A Possible Mechanism of Spaceflight Adaptation. Life, 2021, 11, 33.	2.4	14
17	The TRAP-Like SplA Protein Is a trans -Acting Negative Regulator of Spore Photoproduct Lyase Synthesis during Bacillus subtilis Sporulation. Journal of Bacteriology, 2000, 182, 555-560.	2.2	12
18	Transcriptomic responses of Serratia liquefaciens cells grown under simulated Martian conditions of low temperature, low pressure, and CO ₂ -enriched anoxic atmosphere. Scientific Reports, 2018, 8, 14938.	3.3	12

#	ARTICLE	IF	CITATIONS
19	Establishing Standard Protocols for Bacterial Culture in Biological Research in Canisters (BRIC) Hardware. Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research, 2016, 4, 58-69.	0.8	10
20	Shelf Life and Simulated Gastrointestinal Tract Survival of Selected Commercial Probiotics During a Simulated Round-Trip Journey to Mars. Frontiers in Microbiology, 2021, 12, 748950.	3.5	6
21	Differing Responses in Growth and Spontaneous Mutation to Antibiotic Resistance in <i>Bacillus subtilis</i> and <i>Staphylococcus epidermidis</i> Cells Exposed to Simulated Microgravity. Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research, 2014, 2, 34-45.	0.8	5
22	Evolution in the <i>Bacillaceae</i> . Microbiology Spectrum, 2014, 2, .	3.0	4
23	Evolution in the <i>Bacillaceae</i> . , 0, , 21-58.		3
24	Design and Validation of a Device for Mitigating Fluid Microgravity Effects in Biological Research in Canister Spaceflight Hardware. Frontiers in Space Technologies, 2021, 2, .	1.4	2