Patricia Fajardo-Cavazos

List of Publications by Year
in descending order

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	Mechanotransduction in Prokaryotes: A Possible Mechanism of Spaceflight Adaptation. Life, 2021, 11, 33.	2.4	14
2	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
3	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
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	Transcriptomic responses of Serratia liquefaciens cells grown under simulated Martian conditions of low temperature, low pressure, and CO2-enriched anoxic atmosphere. Scientific Reports, 2018, 8, 14938.	3.3	12
6	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
7	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
8	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
9	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
10	Evolution in the Bacillaceae. Microbiology Spectrum, 2014, 2, .	3.0	4
11	Differing Responses in Growth and Spontaneous Mutation to Antibiotic Resistance in Bacillus subtilis and Staphylococcus epidermidis 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
12	Evolution ofBacillus subtilisto Enhanced Growth at Low Pressure: Up-Regulated Transcription ofdes-desKR, Encoding the Fatty Acid Desaturase System. Astrobiology, 2012, 12, 258-270.	3.0	28
13	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
14	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
15	Bacterial Spores in Granite Survive Hypervelocity Launch by Spallation: Implications for Lithopanspermia. Astrobiology, 2009, 9, 647-657.	3.0	40
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	Essential Cysteine Residues in Bacillus subtilis Spore Photoproduct Lyase Identified by Alanine Scanning Mutagenesis. Current Microbiology, 2005, 51, 331-335.	2.2	29
21	Bacillus subtilisSpores on Artificial Meteorites Survive Hypervelocity Atmospheric Entry: Implications for Lithopanspermia. Astrobiology, 2005, 5, 726-736.	3.0	66
22	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
23	Levels of mRNAs which code for small, acid-soluble spore proteins and theirLacZgene fusions in sporulating cells ofBacillus subtilis. Nucleic Acids Research, 1988, 16, 6567-6583.	14.5	26
24	Evolution in theBacillaceae. , 0, , 21-58.		3