

Antonio Garcia-Moyano

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

990
citations

623734

14
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

1497
citing authors

#	ARTICLE	IF	CITATIONS
1	Nematoda from the terrestrial deep subsurface of South Africa. <i>Nature</i> , 2011, 474, 79-82.	27.8	196
2	Extreme environments as Mars terrestrial analogs: The Rio Tinto case. <i>Planetary and Space Science</i> , 2007, 55, 370-381.	1.7	166
3	Determinants and Prediction of Esterase Substrate Promiscuity Patterns. <i>ACS Chemical Biology</i> , 2018, 13, 225-234.	3.4	106
4	Prokaryotic community composition and ecology of floating macroscopic filaments from an extreme acidic environment, R��o Tinto (SW, Spain). <i>Systematic and Applied Microbiology</i> , 2007, 30, 601-614.	2.8	92
5	Comparative microbial ecology study of the sediments and the water column of the R��o Tinto, an extreme acidic environment. <i>FEMS Microbiology Ecology</i> , 2012, 81, 303-314.	2.7	82
6	Novel and Unexpected Microbial Diversity in Acid Mine Drainage in Svalbard (78�� N), Revealed by Culture-Independent Approaches. <i>Microorganisms</i> , 2015, 3, 667-694.	3.6	44
7	An oligonucleotide prokaryotic acidophile microarray: its validation and its use to monitor seasonal variations in extreme acidic environments with total environmental RNA. <i>Environmental Microbiology</i> , 2008, 10, 836-850.	3.8	41
8	Evaluation of <i>Leptospirillum</i> spp. in the R��o Tinto, a model of interest to biohydrometallurgy. <i>Hydrometallurgy</i> , 2008, 94, 155-161.	4.3	31
9	From R��o Tinto to Mars. <i>Advances in Applied Microbiology</i> , 2011, 77, 41-70.	2.4	28
10	Diversity patterns and isolation of Planctomycetes associated with metalliferous deposits from hydrothermal vent fields along the Valu Fa Ridge (SW Pacific). <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 841-858.	1.7	28
11	Decoding the ocean's microbiological secrets for marine enzyme biodiscovery. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	26
12	Deciphering the Prokaryotic Community and Metabolisms in South African Deep-Mine Biofilms through Antibody Microarrays and Graph Theory. <i>PLoS ONE</i> , 2014, 9, e114180.	2.5	23
13	Microbial ecology of R��o Tinto, a natural extreme acidic environment of biohydrometallurgical interest. <i>Hydrometallurgy</i> , 2010, 104, 329-333.	4.3	18
14	Bioprospecting Reveals Class III ��-Transaminases Converting Bulky Ketones and Environmentally Relevant Polyamines. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	17
15	New ecosystems in the deep subsurface follow the flow of water driven by geological activity. <i>Scientific Reports</i> , 2019, 9, 3310.	3.3	14
16	Relationships between Substrate Promiscuity and Chiral Selectivity of Esterases from Phylogenetically and Environmentally Diverse Microorganisms. <i>Catalysts</i> , 2018, 8, 10.	3.5	11
17	A Novel Moderately Thermophilic Type Ib Methanotroph Isolated from an Alkaline Thermal Spring in the Ethiopian Rift Valley. <i>Microorganisms</i> , 2020, 8, 250.	3.6	10
18	Deciphering a Marine Bone-Degrading Microbiome Reveals a Complex Community Effort. <i>MSystems</i> , 2021, 6, .	3.8	10

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19	Fragment Exchange Plasmid Tools for CRISPR/Cas9-Mediated Gene Integration and Protease Production in <i>Bacillus subtilis</i> . <i>Applied and Environmental Microbiology</i> , 2020, 87, .	3.1	9
20	Comparative microbial ecology of the water column of an extreme acidic pit lake, Nuestra Señora del Carmen, and the Río Tinto basin (Iberian Pyrite Belt). <i>International Microbiology</i> , 2014, 17, 225-33.	2.4	9
21	Two-step functional screen on multiple proteinaceous substrates reveals temperature-robust proteases with a broad-substrate range. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3195-3209.	3.6	6
22	Mutational analysis of the pro-peptide of a marine intracellular subtilisin protease supports its role in inhibition. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, 965-977.	2.6	5
23	Use of Flavin-Containing Monooxygenases for Conversion of Trimethylamine in Salmon Protein Hydrolysates. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	5
24	Microbial Ecology of a Natural Extreme Acidic Environment: Lessons from Río Tinto. <i>Advanced Materials Research</i> , 2009, 71-73, 13-19.	0.3	4
25	Characterization of the Anoxic Sediments of Rio Tinto: Biohydrometallurgical Implications. <i>Advanced Materials Research</i> , 0, 71-73, 109-112.	0.3	4
26	Microbial Ecology of <i>Leptospirillum</i> spp. in Río Tinto, a Model of Interest to Biohydrometallurgy. <i>Advanced Materials Research</i> , 2007, 20-21, 409-412.	0.3	2
27	The bone-degrading enzyme machinery: From multi-component understanding to the treatment of residues from the meat industry. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 6328-6342.	4.1	2