Antonio Garcia-Moyano

List of Publications by Year
in descending order

27 papers	990 citations	623699 14 h-index	552766 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. Nature, 2011, 474, 79-82.	27.8	196
2	Extreme environments as Mars terrestrial analogs: The Rio Tinto case. Planetary and Space Science, 2007, 55, 370-381.	1.7	166
3	Determinants and Prediction of Esterase Substrate Promiscuity Patterns. ACS Chemical Biology, 2018, 13, 225-234.	3.4	106
4	Prokaryotic community composition and ecology of floating macroscopic filaments from an extreme acidic environment, RÃo Tinto (SW, Spain). Systematic and Applied Microbiology, 2007, 30, 601-614.	2.8	92
5	Comparative microbial ecology study of the sediments and the water column of the RÃo Tinto, an extreme acidic environment. FEMS Microbiology Ecology, 2012, 81, 303-314.	2.7	82
6	Novel and Unexpected Microbial Diversity in Acid Mine Drainage in Svalbard (78Â° N), Revealed by Culture-Independent Approaches. Microorganisms, 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. Environmental Microbiology, 2008, 10, 836-850.	3.8	41
8	Evaluation of Leptospirillum spp. in the RÃo Tinto, a model of interest to biohydrometallurgy. Hydrometallurgy, 2008, 94, 155-161.	4.3	31
9	From RÃo Tinto to Mars. Advances in Applied Microbiology, 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). Antonie Van Leeuwenhoek, 2018, 111, 841-858.	1.7	28
11	Decoding the ocean's microbiological secrets for marine enzyme biodiscovery. FEMS Microbiology Letters, 2019, 366, .	1.8	26
12	Deciphering the Prokaryotic Community and Metabolisms in South African Deep-Mine Biofilms through Antibody Microarrays and Graph Theory. PLoS ONE, 2014, 9, e114180.	2.5	23
13	Microbial ecology of RÃo Tinto, a natural extreme acidic environment of biohydrometallurgical interest. Hydrometallurgy, 2010, 104, 329-333.	4.3	18
14	Bioprospecting Reveals Class III Ï‰-Transaminases Converting Bulky Ketones and Environmentally Relevant Polyamines. Applied and Environmental Microbiology, 2019, 85, .	3.1	17
15	New ecosystems in the deep subsurface follow the flow of water driven by geological activity. Scientific Reports, 2019, 9, 3310.	3.3	14
16	Relationships between Substrate Promiscuity and Chiral Selectivity of Esterases from Phylogenetically and Environmentally Diverse Microorganisms. Catalysts, 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. Microorganisms, 2020, 8, 250.	3.6	10
18	Deciphering a Marine Bone-Degrading Microbiome Reveals a Complex Community Effort. MSystems, 2021, 6, .	3.8	10

#	Article	IF	Citations
19	Fragment Exchange Plasmid Tools for CRISPR/Cas9-Mediated Gene Integration and Protease Production in Bacillus subtilis. Applied and Environmental Microbiology, 2020, 87, .	3.1	9
20	Comparative microbial ecology of the water column of an extreme acidic pit lake, Nuestra SeÃ±ora del Carmen, and the RÃo Tinto basin (Iberian Pyrite Belt). International Microbiology, 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. Applied Microbiology and Biotechnology, 2021, 105, 3195-3209.	3.6	6
22	Mutational analysis of the proâ€peptide of a marine intracellular subtilisin protease supports its role in inhibition. Proteins: Structure, Function and Bioinformatics, 2018, 86, 965-977.	2.6	5
23	Use of Flavin-Containing Monooxygenases for Conversion of Trimethylamine in Salmon Protein Hydrolysates. Applied and Environmental Microbiology, 2020, 86, .	3.1	5
24	Microbial Ecology of a Natural Extreme Acidic Environment: Lessons from RÃo Tinto. Advanced Materials Research, 2009, 71-73, 13-19.	0.3	4
25	Characterization of the Anoxic Sediments of Rio Tinto: Biohydrometallurgical Implications. Advanced Materials Research, 0, 71-73, 109-112.	0.3	4
26	Microbial Ecology of <i>Leptospirillum</i> spp. in RÃo Tinto, a Model of Interest to Biohydrometallurgy. Advanced Materials Research, 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. Computational and Structural Biotechnology Journal, 2021, 19, 6328-6342.	4.1	2