

Anais Cario

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

424
citations

1040056

9
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

509
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptation of the membrane in Archaea. <i>Biophysical Chemistry</i> , 2013, 183, 42-56.	2.8	112
2	Membrane homeoviscous adaptation in the piezo-hyperthermophilic archaeon <i>Thermococcus barophilus</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 1152.	3.5	71
3	High protein flexibility and reduced hydration water dynamics are key pressure adaptive strategies in prokaryotes. <i>Scientific Reports</i> , 2016, 6, 32816.	3.3	45
4	Molecular chaperone accumulation as a function of stress evidences adaptation to high hydrostatic pressure in the piezophilic archaeon <i>Thermococcus barophilus</i> . <i>Scientific Reports</i> , 2016, 6, 29483.	3.3	35
5	Exploring the Deep Marine Biosphere: Challenges, Innovations, and Opportunities. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	34
6	Deep Sea Microbes Probed by Incoherent Neutron Scattering Under High Hydrostatic Pressure. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014, 228, .	2.8	25
7	Studying key processes related to CO ₂ underground storage at the pore scale using high pressure micromodels. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1156-1185.	3.7	20
8	Microfluidics and Surface-Enhanced Raman Spectroscopy: A Perfect Match for New Analytical Tools. <i>IEEE Transactions on Nanobioscience</i> , 2019, 18, 558-566.	3.3	17
9	High hydrostatic pressure increases amino acid requirements in the piezo-hyperthermophilic archaeon <i>Thermococcus barophilus</i> . <i>Research in Microbiology</i> , 2015, 166, 710-716.	2.1	16
10	Novel Intact Polar and Core Lipid Compositions in the <i>Pyrococcus</i> Model Species, <i>P. furiosus</i> and <i>P. yanosii</i> , Reveal the Largest Lipid Diversity Amongst Thermococcales. <i>Biomolecules</i> , 2020, 10, 830.	4.0	11
11	Restoration of the di-myo-inositol-phosphate pathway in the piezo-hyperthermophilic archaeon <i>Thermococcus barophilus</i> . <i>Biochimie</i> , 2015, 118, 286-293.	2.6	9
12	Rate and Extent of Growth of a Model Extremophile, <i>Archaeoglobus fulgidus</i> , Under High Hydrostatic Pressures. <i>Frontiers in Microbiology</i> , 2020, 11, 1023.	3.5	7
13	Continuous Segmented-Flow Synthesis of Ag and Au Nanoparticles Using a Low Cost Microfluidic PTFE Tubing Reactor. <i>IEEE Transactions on Nanobioscience</i> , 2022, 21, 135-140.	3.3	7
14	Characterizing the Piezosphere: The Effects of Decompression on Microbial Growth Dynamics. <i>Frontiers in Microbiology</i> , 2022, 13, .	3.5	5
15	High-Pressure Microfluidics for Ultra-Fast Microbial Phenotyping. <i>Frontiers in Microbiology</i> , 2022, 13, .	3.5	2