Virginie Chapon

List of Publications by Year
in descending order

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29 papers	1,817 citations	393982 19 h-index	476904 29 g-index
31 all docs	31 docs citations	31 times ranked	2173 citing authors

#	Article	IF	Citations
1	Multiple N-acyl-L-homoserine lactone signal molecules regulate production of virulence determinants and secondary metabolites in Pseudomonas aeruginosa.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 9427-9431.	3.3	492
2	The desert of Tataouine: an extreme environment that hosts a wide diversity of microorganisms and radiotolerant bacteria. Environmental Microbiology, 2006, 8, 514-525.	1.8	192
3	Deinococcus deserti sp. nov., a gamma-radiation-tolerant bacterium isolated from the Sahara Desert. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 2441-2446.	0.8	154
4	Regulation of the xcp secretion pathway by multiple quorumâ€sensing modulons in Pseudomonas aeruginosa. Molecular Microbiology, 1997, 24, 1169-1178.	1.2	144
5	RpoS-dependent stress tolerance in Pseudomonas aeruginosa. Microbiology (United Kingdom), 1999, 145, 835-844.	0.7	129
6	Influence of Uranium on Bacterial Communities: A Comparison of Natural Uranium-Rich Soils with Controls. PLoS ONE, 2011, 6, e25771.	1.1	75
7	Exploration of Deinococcusâ€Thermus molecular diversity by novel groupâ€specific <scp>PCR</scp> primers. MicrobiologyOpen, 2013, 2, 862-872.	1.2	57
8	Sponging up metals: Bacteria associated with the marine sponge Spongia officinalis. Marine Environmental Research, 2015, 104, 20-30.	1.1	56
9	Type II protein secretion in gram-negative pathogenic bacteria: the study of the structure/secretion relationships of the cellulase cel5 (formerly EGZ) from Erwinia chrysanthemi 1 1Edited by I. B. Holland. Journal of Molecular Biology, 2001, 310, 1055-1066.	2.0	55
10	Assembly of XcpR in the Cytoplasmic Membrane Is Required for Extracellular Protein Secretion in Pseudomonas aeruginosa. Journal of Bacteriology, 1999, 181, 382-388.	1.0	53
11	Proteogenomic insights into uranium tolerance of a Chernobyl's Microbacterium bacterial isolate. Journal of Proteomics, 2018, 177, 148-157.	1.2	43
12	Use of combined microscopic and spectroscopic techniques to reveal interactions between uranium and Microbacterium sp. A9, a strain isolated from the Chernobyl exclusion zone. Journal of Hazardous Materials, 2015, 285, 285-293.	6.5	42
13	Microbial diversity in contaminated soils along the T22 trench of the Chernobyl experimental platform. Applied Geochemistry, 2012, 27, 1375-1383.	1.4	38
14	Microbial diversity on the Tatahouine meteorite. Meteoritics and Planetary Science, 2006, 41, 1249-1265.	0.7	35
15	Sequestration of Radionuclides Radium-226 and Strontium-90 by Cyanobacteria Forming Intracellular Calcium Carbonates. Environmental Science & Technology, 2019, 53, 12639-12647.	4.6	33
16	Uranium Interaction with Two Multi-Resistant Environmental Bacteria: Cupriavidus metallidurans CH34 and Rhodopseudomonas palustris. PLoS ONE, 2012, 7, e51783.	1.1	31
17	Molecular hydrogen from water radiolysis as an energy source for bacterial growth in a basin containing irradiating waste. FEMS Microbiology Letters, 2004, 240, 155-162.	0.7	30
18	Microbacterium lemovicicum sp. nov., a bacterium isolated from a natural uranium-rich soil. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 2600-2606.	0.8	25

#	Article	IF	Citations
19	Alteration of a single tryptophan residue of the cellulose-binding domain blocks secretion of the Erwinia chrysanthemiCel5 cellulase (ex-EGZ) via the type II system. Journal of Molecular Biology, 2000, 303, 117-123.	2.0	23
20	Soil prokaryotic communities in Chernobyl waste disposal trench T22 are modulated by organic matter and radionuclide contamination. FEMS Microbiology Ecology, 2017, 93, .	1.3	20
21	Delineation of cellular stages and identification of key proteins for reduction and biotransformation of Se(IV) by Stenotrophomonas bentonitica BII-R7. Journal of Hazardous Materials, 2021, 418, 126150.	6.5	20
22	Escherichia coli Response to Uranyl Exposure at Low pH and Associated Protein Regulations. PLoS ONE, 2014, 9, e89863.	1.1	20
23	Discovery and characterization of UipA, a uranium- and iron-binding PepSY protein involved in uranium tolerance by soil bacteria. ISME Journal, 2022, 16, 705-716.	4.4	13
24	Direct synthesis of pure brannerite UTi2O6. Journal of Nuclear Materials, 2019, 515, 401-406.	1.3	12
25	Geochemical fingerprints of brannerite (UTi₂O₆): an integrated study. Mineralogical Magazine, 2020, 84, 313-334.	0.6	8
26	Draft Genome Sequence of Microbacterium oleivorans Strain A9, a Bacterium Isolated from Chernobyl Radionuclide-Contaminated Soil. Genome Announcements, 2017, 5, .	0.8	6
27	A multiparametric study on the dissolution of synthetic brannerite. Npj Materials Degradation, 2021, 5, .	2.6	5
28	Proteomics data for characterizing Microbacterium oleivorans A9, an uranium-tolerant actinobacterium isolated near the Chernobyl nuclear power plant. Data in Brief, 2018, 21, 1125-1129.	0.5	3
29	Complete Genome Sequences of Four Microbacterium Strains Isolated from Metal- and Radionuclide-Rich Soils. Microbiology Resource Announcements, 2019, 8, .	0.3	3