

Virginie Chapon

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	A multiparametric study on the dissolution of synthetic brannerite. Npj Materials Degradation, 2021, 5, .	2.6	5
3	Delineation of cellular stages and identification of key proteins for reduction and biotransformation of Se(IV) by <i>Stenotrophomonas bentonitica</i> BII-R7. Journal of Hazardous Materials, 2021, 418, 126150.	6.5	20
4	Geochemical fingerprints of brannerite (U ₂ O ₆): an integrated study. Mineralogical Magazine, 2020, 84, 313-334.	0.6	8
5	Sequestration of Radionuclides Radium-226 and Strontium-90 by Cyanobacteria Forming Intracellular Calcium Carbonates. Environmental Science & Technology, 2019, 53, 12639-12647.	4.6	33
6	Direct synthesis of pure brannerite UTi ₂ O ₆ . Journal of Nuclear Materials, 2019, 515, 401-406.	1.3	12
7	Complete Genome Sequences of Four <i>Microbacterium</i> Strains Isolated from Metal- and Radionuclide-Rich Soils. Microbiology Resource Announcements, 2019, 8, .	0.3	3
8	Proteogenomic insights into uranium tolerance of a Chernobyl's <i>Microbacterium</i> bacterial isolate. Journal of Proteomics, 2018, 177, 148-157.	1.2	43
9	Proteomics data for characterizing <i>Microbacterium oleivorans</i> A9, an uranium-tolerant actinobacterium isolated near the Chernobyl nuclear power plant. Data in Brief, 2018, 21, 1125-1129.	0.5	3
10	Draft Genome Sequence of <i>Microbacterium oleivorans</i> Strain A9, a Bacterium Isolated from Chernobyl Radionuclide-Contaminated Soil. Genome Announcements, 2017, 5, .	0.8	6
11	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
12	Sponging up metals: Bacteria associated with the marine sponge <i>Spongia officinalis</i> . Marine Environmental Research, 2015, 104, 20-30.	1.1	56
13	Use of combined microscopic and spectroscopic techniques to reveal interactions between uranium and <i>Microbacterium</i> sp. A9, a strain isolated from the Chernobyl exclusion zone. Journal of Hazardous Materials, 2015, 285, 285-293.	6.5	42
14	<i>Escherichia coli</i> Response to Uranyl Exposure at Low pH and Associated Protein Regulations. PLoS ONE, 2014, 9, e89863.	1.1	20
15	Exploration of <i>Deinococcus-Thermus</i> molecular diversity by novel group-specific <i>scp</i> PCR primers. MicrobiologyOpen, 2013, 2, 862-872.	1.2	57
16	<i>Microbacterium lemovicicum</i> 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
17	Microbial diversity in contaminated soils along the T22 trench of the Chernobyl experimental platform. Applied Geochemistry, 2012, 27, 1375-1383.	1.4	38
18	Uranium Interaction with Two Multi-Resistant Environmental Bacteria: <i>Cupriavidus metallidurans</i> CH34 and <i>Rhodopseudomonas palustris</i> . PLoS ONE, 2012, 7, e51783.	1.1	31

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19	Influence of Uranium on Bacterial Communities: A Comparison of Natural Uranium-Rich Soils with Controls. PLoS ONE, 2011, 6, e25771.	1.1	75
20	Microbial diversity on the Tatahouine meteorite. Meteoritics and Planetary Science, 2006, 41, 1249-1265.	0.7	35
21	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
22	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
23	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
24	Type II protein secretion in gram-negative pathogenic bacteria: the study of the structure/secretion relationships of the cellulase cel5 (formerly EGZ) from <i>Erwinia chrysanthemi</i> 1 Edited by I. B. Holland. Journal of Molecular Biology, 2001, 310, 1055-1066.	2.0	55
25	Alteration of a single tryptophan residue of the cellulose-binding domain blocks secretion of the <i>Erwinia chrysanthemi</i> Cel5 cellulase (ex-EGZ) via the type II system. Journal of Molecular Biology, 2000, 303, 117-123.	2.0	23
26	RpoS-dependent stress tolerance in <i>Pseudomonas aeruginosa</i> . Microbiology (United Kingdom), 1999, 145, 835-844.	0.7	129
27	Assembly of XcpR in the Cytoplasmic Membrane Is Required for Extracellular Protein Secretion in <i>Pseudomonas aeruginosa</i> . Journal of Bacteriology, 1999, 181, 382-388.	1.0	53
28	Regulation of the xcp secretion pathway by multiple quorum-sensing modulons in <i>Pseudomonas aeruginosa</i> . Molecular Microbiology, 1997, 24, 1169-1178.	1.2	144
29	Multiple N-acyl-L-homoserine lactone signal molecules regulate production of virulence determinants and secondary metabolites in <i>Pseudomonas aeruginosa</i> . Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 9427-9431.	3.3	492