

Odile Bruneel

List of Publications by Year in Descending Order

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

1,987
citations

26
h-index

41
g-index

41
ext. papers

2,249
ext. citations

5.5
avg, IF

3.97
L-index

#	Paper	IF	Citations
40	Metatranscriptomic outlook on green and brown food webs in acid mine drainage. <i>Environmental Microbiology Reports</i> , 2021 , 13, 606-615	3.7	1
39	Description of Microbial Communities of Phosphate Mine Wastes in Morocco, a Semi-Arid Climate, Using High-Throughput Sequencing and Functional Prediction. <i>Frontiers in Microbiology</i> , 2021 , 12, 666936	5.7	0
38	Contrasting arsenic biogeochemical cycling in two Moroccan alkaline pit lakes. <i>Research in Microbiology</i> , 2020 , 171, 28-36	4	4
37	In situ metabolic activities of uncultivated <i>Ferroplasma</i> sp. CARN8 evidenced by metatranscriptomic analysis. <i>Research in Microbiology</i> , 2020 , 171, 37-43	4	3
36	Role of microorganisms in rehabilitation of mining sites, focus on Sub Saharan African countries. <i>Journal of Geochemical Exploration</i> , 2019 , 205, 106327	3.8	11
35	Polymetallic pollution from abandoned mines in Mediterranean regions: a multidisciplinary approach to environmental risks. <i>Regional Environmental Change</i> , 2018 , 18, 677-692	4.3	26
34	Dynamics of Bacterial Communities Mediating the Treatment of an As-Rich Acid Mine Drainage in a Field Pilot. <i>Frontiers in Microbiology</i> , 2018 , 9, 3169	5.7	16
33	In-depth characterization of bacterial and archaeal communities present in the abandoned Kettara pyrrhotite mine tailings (Morocco). <i>Extremophiles</i> , 2017 , 21, 671-685	3	23
32	Spatial Distribution of Eukaryotic Communities Using High-Throughput Sequencing Along a Pollution Gradient in the Arsenic-Rich Creek Sediments of Carnoulès Mine, France. <i>Microbial Ecology</i> , 2016 , 72, 608-20	4.4	15
31	Spatio-Temporal Detection of the <i>Thiomonas</i> Population and the <i>Thiomonas</i> Arsenite Oxidase Involved in Natural Arsenite Attenuation Processes in the Carnoulès Acid Mine Drainage. <i>Frontiers in Cell and Developmental Biology</i> , 2016 , 4, 3	5.7	9
30	Environmental microbiology as a mosaic of explored ecosystems and issues. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 13577-98	5.1	6
29	Diversity and spatiotemporal dynamics of bacterial communities: physicochemical and other drivers along an acid mine drainage. <i>FEMS Microbiology Ecology</i> , 2014 , 90, 247-63	4.3	51
28	Release of arsenite, arsenate and methyl-arsenic species from streambed sediment affected by acid mine drainage: a microcosm study. <i>Environmental Chemistry</i> , 2014 , 11, 514	3.2	13
27	Arsenic scavenging by aluminum-substituted ferrihydrites in a circumneutral pH river impacted by acid mine drainage. <i>Environmental Science & Technology</i> , 2013 , 47, 12784-92	10.3	52
26	Fate of Sb(V) and Sb(III) species along a gradient of pH and oxygen concentration in the Carnoulès mine waters (Southern France). <i>Environmental Sciences: Processes and Impacts</i> , 2013 , 15, 1536-44	4.3	14
25	Structure and reactivity of As(III)- and As(V)-rich schwertmannites and amorphous ferric arsenate sulfate from the Carnoulès acid mine drainage, France: Comparison with biotic and abiotic model compounds and implications for As remediation. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 104, 310-329	5.5	71
24	Three-year survey of sulfate-reducing bacteria community structure in Carnoulès acid mine drainage (France), highly contaminated by arsenic. <i>FEMS Microbiology Ecology</i> , 2013 , 83, 724-37	4.3	37

23	Response to Comment on Predominance of Aqueous Tl(I) Species in the River System Downstream from the Abandoned Carnoulès Mine (Southern France) <i>Environmental Science & Technology</i> , 2012 , 46, 2475-2476	10.3	1
22	Archaeal diversity: temporal variation in the arsenic-rich creek sediments of Carnoulès Mine, France. <i>Extremophiles</i> , 2012 , 16, 645-57	3	36
21	Metabolic diversity among main microorganisms inside an arsenic-rich ecosystem revealed by meta- and proteo-genomics. <i>ISME Journal</i> , 2011 , 5, 1735-47	11.9	128
20	Characterization of the active bacterial community involved in natural attenuation processes in arsenic-rich creek sediments. <i>Microbial Ecology</i> , 2011 , 61, 793-810	4.4	61
19	Predominance of aqueous Tl(I) species in the river system downstream from the abandoned Carnoulès mine (Southern France). <i>Environmental Science & Technology</i> , 2011 , 45, 2056-64	10.3	73
18	Structure, function, and evolution of the Thiomonas spp. genome. <i>PLoS Genetics</i> , 2010 , 6, e1000859	6	101
17	An updated insight into the natural attenuation of As concentrations in Reigous Creek (southern France). <i>Applied Geochemistry</i> , 2010 , 25, 1949-1957	3.5	42
16	Kinetic control on the formation of tooeleite, schwertmannite and jarosite by Acidithiobacillus ferrooxidans strains in an As(III)-rich acid mine water. <i>Chemical Geology</i> , 2009 , 265, 432-441	4.2	83
15	Hydrological and geochemical control of metals and arsenic in a Mediterranean river contaminated by acid mine drainage (the Amous River, France); preliminary assessment of impacts on fish (Leuciscus cephalus). <i>Applied Geochemistry</i> , 2009 , 24, 787-799	3.5	79
14	Nanoscale study of As biomineralization in an acid mine drainage system. <i>Geochimica Et Cosmochimica Acta</i> , 2008 , 72, 3949-3963	5.5	58
13	Iron isotopes in acid mine waters and iron-rich solids from the Tinto-Diel Basin (Iberian Pyrite Belt, Southwest Spain). <i>Chemical Geology</i> , 2008 , 253, 162-171	4.2	26
12	Archaeal diversity in a Fe-As rich acid mine drainage at Carnoulès (France). <i>Extremophiles</i> , 2008 , 12, 563-713		40
11	Diversity of microorganisms in Fe-As-rich acid mine drainage waters of Carnoulès, France. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 551-6	4.8	116
10	A new bacterial strain mediating As oxidation in the Fe-rich biofilm naturally growing in a groundwater Fe treatment pilot unit. <i>Chemosphere</i> , 2006 , 64, 492-6	8.4	18
9	Evaluation of protective effect of DNA vaccination with genes encoding antigens GRA4 and SAG1 associated with GM-CSF plasmid, against acute, chronic and congenital toxoplasmosis in mice. <i>Vaccine</i> , 2005 , 23, 4489-99	4.1	82
8	Sorption and redox processes controlling arsenic fate and transport in a stream impacted by acid mine drainage. <i>Science of the Total Environment</i> , 2005 , 347, 122-30	10.2	67
7	Microbial Diversity in a Pyrite-Rich Tailings Impoundment (Carnoulès, France). <i>Geomicrobiology Journal</i> , 2005 , 22, 249-257	2.5	41
6	Arsenic oxidation and bioaccumulation by the acidophilic protozoan, Euglena mutabilis, in acid mine drainage (Carnoulès, France). <i>Science of the Total Environment</i> , 2004 , 320, 259-67	10.2	56

5	Geochemical Processes Controlling the Formation of As-Rich Waters Within a Tailings Impoundment (Carnoulès, France). <i>Aquatic Geochemistry</i> , 2003 , 9, 273-290	1.7	31
4	Mediation of arsenic oxidation by <i>Thiomonas</i> sp. in acid-mine drainage (Carnoulès, France). <i>Journal of Applied Microbiology</i> , 2003 , 95, 492-9	4.7	84
3	Bacterial formation of tooeleite and mixed arsenic(III) or arsenic(V)-iron(III) gels in the Carnoulès acid mine drainage, France. A XANES, XRD, and SEM study. <i>Environmental Science & Technology</i> , 2003 , 37, 1705-12	10.3	170
2	Bacterial immobilization and oxidation of arsenic in acid mine drainage (Carnoulès creek, France). <i>Water Research</i> , 2003 , 37, 2929-36	12.5	148
1	Immobilization of arsenite and ferric iron by <i>Acidithiobacillus ferrooxidans</i> and its relevance to acid mine drainage. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 6165-73	4.8	93