

Christophe Pagnout

List of Publications by Year in descending order

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394286

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#	ARTICLE	IF	CITATIONS
1	Exploiting Catabolite Repression and Stringent Response to Control Delay and Multimodality of Bioluminescence Signal by Metal Whole-Cell Biosensors: Interplay between Metal Bioavailability and Nutritional Medium Conditions. <i>Biosensors</i> , 2022, 12, 327.	2.3	5
2	Osmotic stress and vesiculation as key mechanisms controlling bacterial sensitivity and resistance to TiO ₂ nanoparticles. <i>Communications Biology</i> , 2021, 4, 678.	2.0	15
3	Fast automated processing of AFM PeakForce curves to evaluate spatially resolved Young modulus and stiffness of turgescent cells. <i>RSC Advances</i> , 2020, 10, 19258-19275.	1.7	19
4	Bimodal stringence-mediated response of metal-detecting luminescent whole cell bioreporters: Experimental evidence and quantitative theory. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127751.	4.0	6
5	Pleiotropic effects of rfa-gene mutations on Escherichia coli envelope properties. <i>Scientific Reports</i> , 2019, 9, 9696.	1.6	54
6	Toxicity mechanisms of ZnO UV-filters used in sunscreens toward the model cyanobacteria <i>Synechococcus elongatus</i> PCC 7942. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22450-22463.	2.7	5
7	Decoding the Time-Dependent Response of Bioluminescent Metal-Detecting Whole-Cell Bacterial Sensors. <i>ACS Sensors</i> , 2019, 4, 1373-1383.	4.0	9
8	What do luminescent bacterial metal-sensors probe? Insights from confrontation between experiments and flux-based theory. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 482-491.	4.0	14
9	Impact of intracellular metallothionein on metal biouptake and partitioning dynamics at bacterial interfaces. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29114-29124.	1.3	9
10	Toxicity of CeO ₂ nanoparticles on a freshwater experimental trophic chain: A study in environmentally relevant conditions through the use of mesocosms. <i>Nanotoxicology</i> , 2016, 10, 1-11.	1.6	32
11	The influence of salinity on the fate and behavior of silver standardized nanomaterial and toxicity effects in the estuarine bivalve <i>Scrobicularia plana</i> . <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2550-2561.	2.2	35
12	Impact of CeO ₂ nanoparticles on the functions of freshwater ecosystems: a microcosm study. <i>Environmental Science: Nano</i> , 2016, 3, 830-838.	2.2	30
13	Integrated assessment of ceria nanoparticle impacts on the freshwater bivalve <i>Dreissena polymorpha</i> . <i>Nanotoxicology</i> , 2016, 10, 935-944.	1.6	37
14	Impact of manufactured TiO ₂ nanoparticles on planktonic and sessile bacterial communities. <i>Environmental Pollution</i> , 2015, 202, 196-204.	3.7	33
15	Insight into the primary mode of action of TiO ₂ nanoparticles on <i>Escherichia coli</i> in the dark. <i>Proteomics</i> , 2015, 15, 98-113.	1.3	104
16	Revised Procedure of the Bacterial Reverse Mutation Test for Genotoxic Evaluation of Nanoparticles. <i>Methods in Pharmacology and Toxicology</i> , 2014, , 43-58.	0.1	1
17	Leaf-associated fungal diversity in acidified streams: insights from combining traditional and molecular approaches. <i>Environmental Microbiology</i> , 2014, 16, 2145-2156.	1.8	21
18	Impaired Leaf Litter Processing in Acidified Streams. <i>Microbial Ecology</i> , 2013, 65, 1-11.	1.4	30

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19	Effect of acidification on leaf litter decomposition in benthic and hyporheic zones of woodland streams. <i>Water Research</i> , 2012, 46, 6430-6444.	5.3	31
20	Changes in soil bacterial communities following liming of acidified forests. <i>Applied Soil Ecology</i> , 2012, 59, 116-123.	2.1	24
21	Modifications of the bacterial reverse mutation test reveals mutagenicity of TiO ₂ nanoparticles and byproducts from a sunscreen TiO ₂ -based nanocomposite. <i>Toxicology Letters</i> , 2012, 215, 54-61.	0.4	32
22	Hemocyte responses of <i>Dreissena polymorpha</i> following a short-term in vivo exposure to titanium dioxide nanoparticles: Preliminary investigations. <i>Science of the Total Environment</i> , 2012, 438, 490-497.	3.9	42
23	Role of electrostatic interactions in the toxicity of titanium dioxide nanoparticles toward <i>Escherichia coli</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 315-321.	2.5	91
24	Taxonomic and functional prokaryote diversity in mildly arsenic-contaminated sediments. <i>Research in Microbiology</i> , 2011, 162, 877-887.	1.0	51
25	Unsuspected Diversity of Arsenite-Oxidizing Bacteria as Revealed by Widespread Distribution of the <i>aoxB</i> Gene in Prokaryotes. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4685-4692.	1.4	84
26	Isolation and characterization of a gene cluster involved in PAH degradation in <i>Mycobacterium</i> sp. strain SNP11: Expression in <i>Mycobacterium smegmatis</i> mc2155. <i>Research in Microbiology</i> , 2007, 158, 175-186.	1.0	70
27	Ecotoxicological assessment of PAHs and their dead-end metabolites after degradation by <i>Mycobacterium</i> sp. strain SNP11. <i>Ecotoxicology and Environmental Safety</i> , 2006, 65, 151-158.	2.9	39
28	Characterization of IS1110-like sequences found in <i>Mycobacterium</i> species other than <i>Mycobacterium avium</i> . <i>Research in Microbiology</i> , 2006, 157, 650-658.	1.0	2