Corinne Rivasseau

List of Publications by Citations

20 papers	611 citations	14 h-index	21 g-index
21 ext. papers	678 ext. citations	7.9 avg, IF	3.18 L-index

#	Paper	IF	Citations
20	Determination of some physicochemical parameters of microcystins (cyanobacterial toxins) and trace level analysis in environmental samples using liquid chromatography. *Journal of Chromatography A*, **1998**, 799, 155-69	4.5	115
19	Accumulation of 2-C-methyl-D-erythritol 2,4-cyclodiphosphate in illuminated plant leaves at supraoptimal temperatures reveals a bottleneck of the prokaryotic methylerythritol 4-phosphate pathway of isoprenoid biosynthesis. *Plant, Cell and Environment*, **2009**, 32, 82-92	8.4	56
18	HMA1 and PAA1, two chloroplast-envelope PIB-ATPases, play distinct roles in chloroplast copper homeostasis. *Journal of Experimental Botany*, **2014**, 65, 1529-40	7	50
17	Evaluation of an ELISA Kit for the Monitoring of Microcystins (Cyanobacterial Toxins) in Water and Algae Environmental Samples. *Environmental Science & Technology*, **1999**, 33, 1520-1527	10.3	46
16	An extremely radioresistant green eukaryote for radionuclide bio-decontamination in the nuclear industry. *Energy and Environmental Science*, **2013**, 6, 1230	35.4	43
15	Silver Accumulation in the Green Microalga Coccomyxa actinabiotis: Toxicity, in Situ Speciation, and Localization Investigated Using Synchrotron XAS, XRD, and TEM. *Environmental Science & Technology*, **2016**, 50, 359-67	10.3	40
14	Massive production of butanediol during plant infection by phytopathogenic bacteria of the genera Dickeya and Pectobacterium. *Molecular Microbiology*, **2011**, 82, 988-97	4.1	39
13	Potential of immunoextraction coupled to analytical and bioanalytical methods (liquid chromatography, ELISA kit and phosphatase inhibition test) for an improved environmental monitoring of cyanobacterial toxins. *Analytica Chimica Acta*, **1999**, 399, 75-87	6.6	31
12	Rapid analysis of organic acids in plant extracts by capillary electrophoresis with indirect UV detection: directed metabolic analyses during metal stress. *Journal of Chromatography A*, **2006**, 1129, 283-90	4.5	29
11	Measurement of carbon flux through the MEP pathway for isoprenoid synthesis by (31)P-NMR spectroscopy after specific inhibition of 2-C-methyl-d-erythritol 2,4-cyclodiphosphate reductase. Effect of light and temperature. *Plant, Cell and Environment*, **2011**, 34, 1241-7	8.4	27
10	Early response of plant cell to carbon deprivation: in vivo 31P-NMR spectroscopy shows a quasi-instantaneous disruption on cytosolic sugars, phosphorylated intermediates of energy metabolism, phosphate partitioning, and intracellular pHs. *New Phytologist*, **2011**, 189, 135-47	9.8	27
9	Coccomyxa actinabiotis sp. nov. (Trebouxiophyceae, Chlorophyta), a new green microalga living in the spent fuel cooling pool of a nuclear reactor. *Journal of Phycology*, **2016**, 52, 689-703	3	26
8	Uranium perturbs signaling and iron uptake response in Arabidopsis thaliana roots. *Metallomics*, **2014**, 6, 809-21	4.5	26
7	Detection of cyanobacterial toxins (microcystins) in cell extracts by micellar electrokinetic chromatography. *Biomedical Applications*, **1996**, 685, 53-7		20
6	The Phosphate Fast-Responsive Genes and Affect Phosphocholine and Phosphoethanolamine Content. *Plant Physiology*, **2018**, 176, 2943-2962	6.6	11
5	A simple and efficient method for the long-term preservation of plant cell suspension cultures. *Plant Methods*, **2012**, 8, 4	5.8	11
4	Determination of microcystins in cyanobacterial samples using microliquid chromatography. *Journal of Separation Science*, **1996**, 8, 541-551		8

List of Publications

3	Proteotyping Environmental Microorganisms by Phylopeptidomics: Case Study Screening Water from a Radioactive Material Storage Pool. *Microorganisms*, **2020**, 8,	4.9	3
2	Direct Meta-Analyses Reveal Unexpected Microbial Life in the Highly Radioactive Water of an Operating Nuclear Reactor Core. *Microorganisms*, **2020**, 8,	4.9	3
1	Cyclical Patterns Affect Microbial Dynamics in the Water Basin of a Nuclear Research Reactor. *Frontiers in Microbiology*, **2021**, 12, 744115	5.7	0