Christine N Edwards

List of Publications by Year in Descending Order

65 papers	2,118 citations	22 h-index	45 g-index
68 ext. papers	2,486 ext. citations	5.6 avg, IF	4.68 L-index

#	Paper	IF	Citations
65	Recoverable resources from pot ale & spent wash from Scotch Whisky production.. *Resources, Conservation and Recycling*, **2022**, 179, 106114	11.9	2
64	Adsorption of cyanotoxins on polypropylene and polyethylene terephthalate: Microplastics as vector of eight microcystin analogues.. *Environmental Pollution*, **2022**, 303, 119135	9.3	1
63	Potentially Poisonous Plastic Particles: Microplastics as a Vector for Cyanobacterial Toxins Microcystin-LR and Microcystin-LF. *Environmental Science & Technology*, **2021**, 55, 15940-15949	10.3	4
62	Stratification strength and light climate explain variation in chlorophyll a at the continental scale in a European multilake survey in a heatwave summer. *Limnology and Oceanography*, **2021**, 66, 4314	4.8	2
61	Current Trends and Challenges for Rapid SMART Diagnostics at Point-of-Site Testing for Marine Toxins. *Sensors*, **2021**, 21,	3.8	3
60	Degradation of Multiple Peptides by Microcystin-Degrader (2C20). *Toxins*, **2021**, 13,	4.9	1
59	Cell free Microcystis aeruginosa spent medium affects Daphnia magna survival and stress response. *Toxicon*, **2021**, 195, 37-47	2.8	0
58	Effect of hydrogen peroxide on natural phytoplankton and bacterioplankton in a drinking water reservoir: Mesocosm-scale study. *Water Research*, **2021**, 197, 117069	12.5	6
57	High Value Phycotoxins From the Dinoflagellate Prorocentrum. *Frontiers in Marine Science*, **2021**, 8,	4.5	2
56	Oxidative stress in the cyanobacterium Microcystis aeruginosa PCC 7813: Comparison of different analytical cell stress detection assays. *Chemosphere*, **2021**, 269, 128766	8.4	2
55	Graphitic-C3N4 coated floating glass beads for photocatalytic destruction of synthetic and natural organic compounds in water under UV light. *Journal of Photochemistry and Photobiology A: Chemistry*, **2021**, 405, 112935	4.7	7
54	Anatoxin-a degradation by using titanium dioxide. *Science of the Total Environment*, **2021**, 756, 143590	10.2	1
53	Rapid uptake and slow depuration: Health risks following cyanotoxin accumulation in mussels?. *Environmental Pollution*, **2021**, 271, 116400	9.3	5
52	Rapid analytical methods for the microalgal and cyanobacterial biorefinery: Application on strains of industrial importance. *MicrobiologyOpen*, **2021**, 10, e1156	3.4	3
51	Comparison of UV-A photolytic and UV/TiO photocatalytic effects on Microcystis aeruginosa PCC7813 and four microcystin analogues: A pilot scale study. *Journal of Environmental Management* , **2021**, 298, 113519	7.9	0
50	New directions and challenges in engineering biologically-enhanced biochar for biological water treatment. *Science of the Total Environment*, **2021**, 796, 148977	10.2	7
49	Cross talk: Two way allelopathic interactions between toxic Microcystis and Daphnia. *Harmful Algae* , **2020**, 94, 101803	5.3	7

48	Degradation of okadaic acid in seawater by UV/TiO photocatalysis - Proof of concept. *Science of the Total Environment*, **2020**, 733, 139346	10.2	9
47	All in one photo-reactor pod containing TiO2 coated glass beads and LEDs for continuous photocatalytic destruction of cyanotoxins in water. *Environmental Science: Water Research and Technology*, **2020**, 6, 945-950	4.2	6
46	Phosphate and nitrate supplementations to evaluate the effect on cell biomass, intra and extracellular nodularin and nodulopeptin 901 produced by the cyanobacterium Nodularia spumigena KAC 66. *Journal of Applied Phycology*, **2020**, 32, 937-950	3.2	1
45	Photocatalytic removal of the cyanobacterium Microcystis aeruginosa PCC7813 and four microcystins by TiO coated porous glass beads with UV-LED irradiation. *Science of the Total Environment*, **2020**, 745, 141154	10.2	17
44	Removal of Cyanobacteria and Cyanotoxins by Conventional Physical-chemical Treatment **2020**, 69-97		1
43	Transformation Products (TPs) of Cyanobacterial Metabolites During Treatment **2020**, 231-305		1
42	Degradation of microcystin-LR and cylindrospermopsin by continuous flow UV-A photocatalysis over immobilised TiO. *Journal of Environmental Management*, **2020**, 276, 111368	7.9	4
41	Exudates Impact Physiological and Metabolic Changes in. *Toxins*, **2019**, 11,	4.9	7
40	Development and single-laboratory validation of a UHPLC-MS/MS method for quantitation of microcystins and nodularin in natural water, cyanobacteria, shellfish and algal supplement tablet powders. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2018**, 1074-1075, 111-123	3.2	36
39	Cell Lysis and Detoxification of Cyanotoxins Using a Novel Combination of Microbubble Generation and Plasma Microreactor Technology for Ozonation. *Frontiers in Microbiology*, **2018**, 9, 678	5.7	8
38	Cyanopeptolins with Trypsin and Chymotrypsin Inhibitory Activity from the Cyanobacterium CCNP1411. *Marine Drugs*, **2018**, 16,	6	16
37	Temperature Effects Explain Continental Scale Distribution of Cyanobacterial Toxins. *Toxins*, **2018**, 10,	4.9	109
36	A European Multi Lake Survey dataset of environmental variables, phytoplankton pigments and cyanotoxins. *Scientific Data*, **2018**, 5, 180226	8.2	15
35	Microalgal Bioactive Compounds Including Protein, Peptides, and Pigments: Applications, Opportunities, and Challenges During Biorefinery Processes **2018**, 239-255		5
34	Rapid Analysis of Geosmin and 2-Methylisoborneol from Aqueous Samples Using Solid-Phase Extraction and GC-MS **2017**, 475-480		1
33	Effects of temperature and salinity on the production of cell biomass, chlorophyll-a and intra- and extracellular nodularins (NOD) and nodulopeptin 901 produced by Nodularia spumigena KAC 66. *Journal of Applied Phycology*, **2017**, 29, 1801-1810	3.2	3
32	Accumulation and detoxication responses of the gastropod Lymnaea stagnalis to single and combined exposures to natural (cyanobacteria) and anthropogenic (the herbicide RoundUp( ) Flash) stressors. *Aquatic Toxicology*, **2016**, 177, 116-24	5.1	11
31	A Collaborative Evaluation of LC-MS/MS Based Methods for BMAA Analysis: Soluble Bound BMAA Found to Be an Important Fraction. *Marine Drugs*, **2016**, 14,	6	39

30	Lack of functional redundancy in the relationship between microbial diversity and ecosystem functioning. *Journal of Ecology*, **2016**, 104, 936-946	6	110
29	Photocatalytic degradation of eleven microcystin variants and nodularin by TiO2 coated glass microspheres. *Journal of Hazardous Materials*, **2015**, 300, 347-353	12.8	33
28	Rapid Bioassay-Guided Isolation of Antibacterial Clerodane Type Diterpenoid from Dodonaea viscosa (L.) Jaeq. *International Journal of Molecular Sciences*, **2015**, 16, 20290-307	6.3	7
27	Almiramide D, cytotoxic peptide from the marine cyanobacterium Oscillatoria nigroviridis. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 6789-95	3.4	13
26	A continuous flow packed bed photocatalytic reactor for the destruction of 2-methylisoborneol and geosmin utilising pelletised TiO2. *Chemical Engineering Journal*, **2014**, 235, 293-298	14.7	28
25	Bacterial communities' response to microcystins exposure and nutrient availability: Linking degradation capacity to community structure. *International Biodeterioration and Biodegradation*, **2013**, 84, 111-117	4.8	34
24	New nodulopeptins from Nodularia spumigena KAC 66. *Tetrahedron*, **2012**, 68, 1622-1628	2.4	6
23	Novel bacterial strains for the removal of microcystins from drinking water. *Water Science and Technology*, **2011**, 63, 1137-42	2.2	29
22	Rapid detection of microcystins in cells and water. *Toxicon*, **2010**, 55, 973-8	2.8	44
21	Assessment of microcystin purity using charged aerosol detection. *Journal of Chromatography A*, **2010**, 1217, 5233-8	4.5	7
20	Isolation and identification of novel microcystin-degrading bacteria. *Applied and Environmental Microbiology*, **2009**, 75, 6924-8	4.8	111
19	Microcystin producing cyanobacterium Nostoc sp. BHU001 from a pond in India. *Toxicon*, **2009**, 53, 587-90	2.8	19
18	Stability of toxigenic Microcystis blooms. *Harmful Algae*, **2009**, 8, 377-384	5.3	31
17	Bioremediation of cyanotoxins. *Advances in Applied Microbiology*, **2009**, 67, 109-29	4.9	31
16	Biodegradation of microcystins and nodularin in freshwaters. *Chemosphere*, **2008**, 73, 1315-21	8.4	109
15	High-throughput purification of combinatorial arrays. *ACS Combinatorial Science*, **2003**, 5, 61-6		25
14	Parallel preparative high-performance liquid chromatography with on-line molecular mass characterization. *Rapid Communications in Mass Spectrometry*, **2003**, 17, 2027-33	2.2	24
13	Purification of microcystins. *Journal of Chromatography A*, **2001**, 912, 191-209	4.5	65

12	Purification of closely eluting hydrophobic microcystins (peptide cyanotoxins) by normal-phase and reversed-phase flash chromatography. *Journal of Chromatography A*, **1999**, 848, 515-522	4.5	15
11	Rapid separation of triterpenoids from Neem seed extracts **1999**, 10, 39-43		28
10	Development of a bioassay employing the desert locust (Schistocerca gregaria) for the detection of saxitoxin and related compounds in cyanobacteria and shellfish. *Toxicon*, **1998**, 36, 417-20	2.8	16
9	Laboratory-scale purification of microcystins using flash chromatography and reversed-phase high-performance liquid chromatography. *Journal of Chromatography A*, **1996**, 734, 163-73	4.5	38
8	Automated purification of microcystins. *Journal of Chromatography A*, **1996**, 734, 175-182	4.5	14
7	Isolation and characterization of microcystins from laboratory cultures and environmental samples of Microcystis aeruginosa and from an associated animal toxicosis. *Natural Toxins*, **1995**, 3, 50-7		80
6	Extraction and high-performance liquid chromatographic method for the determination of microcystins in raw and treated waters. *Analyst, The*, **1994**, 119, 1525-30	5	552
5	The Analysis of Microcystins in Raw and Treated Water **1994**, 59-63		1
4	Detection of Cyanobacterial (Blue-green Algal) Peptide Toxins by Protein Phosphatase Inhibition **1994**, 175-180		2
3	Analysis of microcystins from cyanobacteria by liquid chromatography with mass spectrometry using atmospheric-pressure ionization. *Rapid Communications in Mass Spectrometry*, **1993**, 7, 714-721	2.2	53
2	Identification of anatoxin-A in benthic cyanobacteria (blue-green algae) and in associated dog poisonings at Loch Insh, Scotland. *Toxicon*, **1992**, 30, 1165-75	2.8	235
1	Separation and identification of phytoalexins from leaves of groundnut (Arachis hypogaea) and development of a method for their determination by reversed-phase high-performance liquid chromatography. *Journal of Chromatography A*, **1991**, 547, 185-193	4.5	16