

Nicolas Touzet

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

706
citations

567144

15
h-index

752573

20
g-index

20
all docs

20
docs citations

20
times ranked

929
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphogenetic diversity and biotoxin composition of <i>Alexandrium</i> (Dinophyceae) in Irish coastal waters. <i>Harmful Algae</i> , 2008, 7, 782-797.	2.2	106
2	Scalable Production and Isolation of Extracellular Vesicles: Available Sources and Lessons from Current Industrial Bioprocesses. <i>Biotechnology Journal</i> , 2019, 14, e1800528.	1.8	80
3	Phycoremediation of landfill leachate with chlorophytes: Phosphate a limiting factor on ammonia nitrogen removal.. <i>Water Research</i> , 2016, 99, 180-187.	5.3	60
4	Characterization of Nontoxic and Toxin-Producing Strains of <i>Alexandrium minutum</i> (Dinophyceae) in Irish Coastal Waters. <i>Applied and Environmental Microbiology</i> , 2007, 73, 3333-3342.	1.4	58
5	Influence of inorganic nutrition on growth and PSP toxin production of <i>Alexandrium minutum</i> (Dinophyceae) from Cork Harbour, Ireland. <i>Toxicon</i> , 2007, 50, 106-119.	0.8	43
6	Co-Occurrence of the West European (Gr.III) and North American (Gr.I) Ribotypes of <i>Alexandrium tamarense</i> (Dinophyceae) in Shetland, Scotland. <i>Protist</i> , 2010, 161, 370-384.	0.6	41
7	Influence of spectral intensity and quality of LED lighting on photoacclimation, carbon allocation and high-value pigments in microalgae. <i>Photosynthesis Research</i> , 2020, 143, 67-80.	1.6	40
8	Isolation of extracellular vesicles from microalgae: towards the production of sustainable and natural nanocarriers of bioactive compounds. <i>Biomaterials Science</i> , 2021, 9, 2917-2930.	2.6	34
9	Evaluation of taxa-specific real-time PCR, whole-cell FISH and morphotaxonomy analyses for the detection and quantification of the toxic microalgae <i>Alexandrium minutum</i> (Dinophyceae), Global Clade ribotype. <i>FEMS Microbiology Ecology</i> , 2009, 67, 329-341.	1.3	33
10	Microalgal bioremediation of nitrogenous compounds in landfill leachate – The importance of micronutrient balance in the treatment of leachates of variable composition. <i>Algal Research</i> , 2018, 32, 162-171.	2.4	32
11	Phycoremediation of landfill leachate with the chlorophyte <i>Chlamydomonas</i> sp. SW15aRL and evaluation of toxicity pre and post treatment. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 622-630.	2.9	31
12	Rapid chemotaxonomic profiling for the identification of high-value carotenoids in microalgae. <i>Journal of Applied Phycology</i> , 2018, 30, 385-399.	1.5	26
13	Fatty acid profiling of new Irish microalgal isolates producing the high-value metabolites EPA and DHA. <i>Algal Research</i> , 2019, 44, 101671.	2.4	22
14	Discrimination of <i>Alexandrium andersoni</i> and <i>A. minutum</i> (Dinophyceae) using LSU rRNA-targeted oligonucleotide probes and fluorescent whole-cell hybridization. <i>Phycologia</i> , 2007, 46, 168-177.	0.6	19
15	An evaluation of the applicability of microarrays for monitoring toxic algae in Irish coastal waters. <i>Environmental Science and Pollution Research</i> , 2013, 20, 6751-6764.	2.7	19
16	Isolation of Extracellular Vesicles From Microalgae: A Renewable and Scalable Bioprocess. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 836747.	2.0	19
17	Bioprospecting and LED-based spectral enhancement of antimicrobial activity of microalgae isolated from the west of Ireland. <i>Algal Research</i> , 2020, 45, 101704.	2.4	15
18	Rapid Characterization and Quantification of Extracellular Vesicles by Fluorescence-Based Microfluidic Diffusion Sizing. <i>Advanced Healthcare Materials</i> , 2022, 11, e2100021.	3.9	13

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19	Extracellular Vesicles From Microalgae: Uptake Studies in Human Cells and <i>Caenorhabditis elegans</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 830189.	2.0	11
20	Antioxidant Activity and Carotenoid Content Responses of Three <i>Haematococcus</i> sp. (Chlorophyta) Strains Exposed to Multiple Stressors. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 4492-4510.	1.4	4