

Roberta Congestri

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

435
citations

759233

12
h-index

752698

20
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28
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28
docs citations

28
times ranked

690
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Properties of Diatom Nanostructured Biosilica in <i>Arachnoidiscus</i> sp: Micro-Optics from Mother Nature. PLoS ONE, 2014, 9, e103750.	2.5	82
2	Shedding light on diatom photonics by means of digital holography. Journal of Biophotonics, 2014, 7, 341-350.	2.3	46
3	Polymer composite random lasers based on diatom frustules as scatterers. RSC Advances, 2014, 4, 61809-61816.	3.6	44
4	UV-shielding and wavelength conversion by centric diatom nanopatterned frustules. Scientific Reports, 2018, 8, 16285.	3.3	37
5	Phosphorus removal coupled to bioenergy production by three cyanobacterial isolates in a biofilm dynamic growth system. International Journal of Phytoremediation, 2016, 18, 869-876.	3.1	31
6	Earth observation for monitoring and mapping of cyanobacteria blooms. Case studies on five Italian lakes. Journal of Limnology, 2016, 76, .	1.1	25
7	DIATOMS (BACILLARIOPHYTA) IN PHOTOTROPHIC BIOFILMS COLONISING AN ITALIAN WASTEWATER TREATMENT PLANT. Diatom Research, 2005, 20, 241-255.	1.2	23
8	Value-added co-products from biomass of the diatoms <i>Staurosirella pinnata</i> and <i>Phaeodactylum tricornutum</i> . Algal Research, 2020, 47, 101830.	4.6	18
9	Wastewater Biofilm Photosynthesis in Photobioreactors. Microorganisms, 2019, 7, 252.	3.6	17
10	The Diatom <i>Staurosirella pinnata</i> for Photoactive Material Production. PLoS ONE, 2016, 11, e0165571.	2.5	16
11	Scaling-up of wastewater bioremediation by <i>Tetrademus obliquus</i> , sequential bio-treatments of nutrients and metals. Ecotoxicology and Environmental Safety, 2019, 172, 59-64.	6.0	14
12	<i>Trichormus variabilis</i> (Cyanobacteria) Biomass: From the Nutraceutical Products to Novel EPS-Cell/Protein Carrier Systems. Marine Drugs, 2018, 16, 298.	4.6	13
13	Diversity and biomass accumulation in cultured phototrophic biofilms. European Journal of Phycology, 2014, 49, 384-394.	2.0	11
14	ACQUA: Automated Cyanobacterial Quantification Algorithm for toxic filamentous genera using spline curves, pattern recognition and machine learning. Journal of Microbiological Methods, 2016, 124, 48-56.	1.6	10
15	The role of phytoplankton in the diet of the bladderwort <i>Utricularia australis</i> R.Br. (Lentibulariaceae). Freshwater Biology, 2019, 64, 233-243.	2.4	9
16	Spectral discrimination of planktonic cyanobacteria and microalgae based on deep UV fluorescence. Sensors and Actuators B: Chemical, 2019, 284, 228-235.	7.8	8
17	FISH methods in phycology: Phototrophic biofilm and phytoplankton applications. Plant Biosystems, 2008, 142, 337-342.	1.6	7
18	Culturing Toxic Benthic Blooms: The Fate of Natural Biofilms in a Microcosm System. Microorganisms, 2017, 5, 46.	3.6	7

#	ARTICLE	IF	CITATIONS
19	Functionalization of Frustules of the Diatom <i>Staurosirella pinnata</i> for Nickel (Ni) Adsorption From Contaminated Aqueous Solutions. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	3
20	Keeping Track of <i>Phaeodactylum tricornutum</i> (Bacillariophyta) Culture Contamination by Potentiometric E-Tongue. <i>Sensors</i> , 2021, 21, 4052.	3.8	1
21	Dataset exploited for the development and validation of automated cyanobacteria quantification algorithm, ACQUA. <i>Data in Brief</i> , 2016, 8, 817-823.	1.0	0
22	Photonic Application of Diatom Frustules. <i>Materials Science Forum</i> , 2016, 879, 419-423.	0.3	0
23	The Italian System for Cyanobacterial Risk Management in Drinking Water Chains. , 2017, , 100-106.		0
24	Portable Fluorescence Sensor for Organic Contaminants and Cyanobacterial Detection in Waters. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 77-83.	0.4	0