

# Roberta Congestri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5405121/publications.pdf>

Version: 2024-02-01

24  
papers

435  
citations

759233

12  
h-index

752698

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

690  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Portable Fluorescence Sensor for Organic Contaminants and Cyanobacterial Detection in Waters. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 77-83.	0.4	0
3	Keeping Track of <i>Phaeodactylum tricornutum</i> (Bacillariophyta) Culture Contamination by Potentiometric E-Tongue. <i>Sensors</i> , 2021, 21, 4052.	3.8	1
4	Value-added co-products from biomass of the diatoms <i>Staurosirella pinnata</i> and <i>Phaeodactylum tricornutum</i> . <i>Algal Research</i> , 2020, 47, 101830.	4.6	18
5	Wastewater Biofilm Photosynthesis in Photobioreactors. <i>Microorganisms</i> , 2019, 7, 252.	3.6	17
6	Scaling-up of wastewater bioremediation by <i>Tetradesmus obliquus</i> , sequential bio-treatments of nutrients and metals. <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 59-64.	6.0	14
7	Spectral discrimination of planktonic cyanobacteria and microalgae based on deep UV fluorescence. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 228-235.	7.8	8
8	The role of phytoplankton in the diet of the bladderwort <i>Utricularia australis</i> R.Br. (Lentibulariaceae). <i>Freshwater Biology</i> , 2019, 64, 233-243.	2.4	9
9	UV-shielding and wavelength conversion by centric diatom nanopatterned frustules. <i>Scientific Reports</i> , 2018, 8, 16285.	3.3	37
10	<i>Trichormus variabilis</i> (Cyanobacteria) Biomass: From the Nutraceutical Products to Novel EPS-Cell/Protein Carrier Systems. <i>Marine Drugs</i> , 2018, 16, 298.	4.6	13
11	The Italian System for Cyanobacterial Risk Management in Drinking Water Chains. , 2017, , 100-106.		0
12	Culturing Toxic Benthic Blooms: The Fate of Natural Biofilms in a Microcosm System. <i>Microorganisms</i> , 2017, 5, 46.	3.6	7
13	Earth observation for monitoring and mapping of cyanobacteria blooms. Case studies on five Italian lakes. <i>Journal of Limnology</i> , 2016, 76, .	1.1	25
14	The Diatom <i>Staurosirella pinnata</i> for Photoactive Material Production. <i>PLoS ONE</i> , 2016, 11, e0165571.	2.5	16
15	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
16	Photonic Application of Diatom Frustules. <i>Materials Science Forum</i> , 2016, 879, 419-423.	0.3	0
17	ACQUA: Automated Cyanobacterial Quantification Algorithm for toxic filamentous genera using spline curves, pattern recognition and machine learning. <i>Journal of Microbiological Methods</i> , 2016, 124, 48-56.	1.6	10
18	Phosphorus removal coupled to bioenergy production by three cyanobacterial isolates in a biofilm dynamic growth system. <i>International Journal of Phytoremediation</i> , 2016, 18, 869-876.	3.1	31

#	ARTICLE	IF	CITATIONS
19	Optical Properties of Diatom Nanostructured Biosilica in <i>Arachnoidiscus</i> sp: Micro-Optics from Mother Nature. PLoS ONE, 2014, 9, e103750.	2.5	82
20	Shedding light on diatom photonics by means of digital holography. Journal of Biophotonics, 2014, 7, 341-350.	2.3	46
21	Polymer composite random lasers based on diatom frustules as scatterers. RSC Advances, 2014, 4, 61809-61816.	3.6	44
22	Diversity and biomass accumulation in cultured phototrophic biofilms. European Journal of Phycology, 2014, 49, 384-394.	2.0	11
23	FISH methods in phycology: Phototrophic biofilm and phytoplankton applications. Plant Biosystems, 2008, 142, 337-342.	1.6	7
24	DIATOMS (BACILLARIOPHYTA) IN PHOTOTROPHIC BIOFILMS COLONISING AN ITALIAN WASTEWATER TREATMENT PLANT. Diatom Research, 2005, 20, 241-255.	1.2	23