

Rossella Pistocchi

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

2,245

citations

27

h-index

46

g-index

62

ext. papers

2,432

ext. citations

5.1

avg, IF

4.39

L-index

#	Paper	IF	Citations
62	Growth and nitrogen removal capacity of <i>Desmodesmus communis</i> and of a natural microalgae consortium in a batch culture system in view of urban wastewater treatment: part I. <i>Water Research</i> , 2013 , 47, 791-801	12.5	159
61	Extraction of hydrocarbons from microalga <i>Botryococcus braunii</i> with switchable solvents. <i>Bioresource Technology</i> , 2010 , 101, 3274-9	11	143
60	Complex palytoxin-like profile of <i>Ostreopsis ovata</i> . Identification of four new ovatoxins by high-resolution liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 2735-44	2.2	119
59	Comparative growth and toxin profile of cultured <i>Ostreopsis ovata</i> from the Tyrrhenian and Adriatic Seas. <i>Toxicon</i> , 2010 , 55, 211-20	2.8	109
58	Isolation and structure elucidation of ovatoxin-a, the major toxin produced by <i>Ostreopsis ovata</i> . <i>Journal of the American Chemical Society</i> , 2012 , 134, 1869-75	16.4	99
57	Complex yessotoxins profile in <i>Protoceratium reticulatum</i> from north-western Adriatic sea revealed by LC-MS analysis. <i>Toxicon</i> , 2003 , 42, 7-14	2.8	92
56	Influence of temperature and salinity on <i>Ostreopsis cf. ovata</i> growth and evaluation of toxin content through HR LC-MS and biological assays. <i>Water Research</i> , 2012 , 46, 82-92	12.5	83
55	Toxin profile of <i>Alexandrium ostenfeldii</i> (Dinophyceae) from the Northern Adriatic Sea revealed by liquid chromatography-mass spectrometry. <i>Toxicon</i> , 2006 , 47, 597-604	2.8	76
54	Toxin levels and profiles in microalgae from the north-Western Adriatic Sea--15 years of studies on cultured species. <i>Marine Drugs</i> , 2012 , 10, 140-62	6	71
53	METABOLIC RESPONSES OF THE DIATOM <i>ACHNANTHES BREVIPIES</i> (BACILLARIOPHYCEAE) TO NUTRIENT LIMITATION. <i>Journal of Phycology</i> , 2000 , 36, 882-890	3	67
52	INVESTIGATION OF 4-METHYL STEROLS FROM CULTURED DINOFLAGELLATE ALGAL STRAINS. <i>Journal of Phycology</i> , 1997 , 33, 61-67	3	64
51	Transport and subcellular localization of polyamines in carrot protoplasts and vacuoles. <i>Plant Physiology</i> , 1988 , 87, 514-8	6.6	60
50	Nitrogen and phosphorus limitation effects on cell growth, biovolume, and toxin production in <i>Ostreopsis cf. ovata</i> . <i>Harmful Algae</i> , 2012 , 15, 78-90	5.3	59
49	Spermidine-preferential uptake system in <i>Escherichia coli</i> . Identification of amino acids involved in polyamine binding in PotD protein. <i>Journal of Biological Chemistry</i> , 1996 , 271, 12205-8	5.4	58
48	Polyamine uptake in carrot cell cultures. <i>Plant Physiology</i> , 1987 , 84, 374-80	6.6	54
47	Influence of temperature, salinity and nutrient limitation on yessotoxin production and release by the dinoflagellate <i>Protoceratium reticulatum</i> in batch-cultures. <i>Harmful Algae</i> , 2007 , 6, 707-717	5.3	48
46	<i>Gonyaulax spinifera</i> from the Adriatic sea: Toxin production and phylogenetic analysis. <i>Harmful Algae</i> , 2009 , 8, 279-290	5.3	45

45	Spirolide toxin profile of Adriatic <i>Alexandrium ostenfeldii</i> cultures and structure elucidation of 27-hydroxy-13,19-didesmethyl spirolide C. <i>Journal of Natural Products</i> , 2007 , 70, 1878-83	4.9	44
44	Effects of different levels of N- and P-deficiency on cell yield, okadaic acid, DTX-1, protein and carbohydrate dynamics in the benthic dinoflagellate <i>Prorocentrum lima</i> . <i>Harmful Algae</i> , 2010 , 9, 590-599 ⁵³		40
43	Effects of imidazolium ionic liquids on growth, photosynthetic efficiency, and cellular components of the diatoms <i>Skeletonema marinoi</i> and <i>Phaeodactylum tricorutum</i> . <i>Chemical Research in Toxicology</i> , 2011 , 24, 392-401	4	38
42	Modeling of photosynthesis and respiration rate for <i>Isochrysis galbana</i> (T-Iso) and its influence on the production of this strain. <i>Bioresource Technology</i> , 2016 , 203, 71-9	11	36
41	Putrescine uptake in <i>Saintpaulia</i> petals. <i>Plant Physiology</i> , 1985 , 77, 398-402	6.6	34
40	Putrescine uptake and translocation in higher plants. <i>Physiologia Plantarum</i> , 1989 , 77, 225-230	4.6	33
39	Effect of salinity, temperature, organic and inorganic nutrients on growth of cultured <i>Fibrocapsa japonica</i> (Raphidophyceae) from the northern Adriatic Sea. <i>Harmful Algae</i> , 2008 , 7, 405-414	5.3	32
38	POLYAMINE TRANSPORT IN THE SEAWEED <i>ULVA RIGIDA</i> (CHLOROPHYTA) ¹ . <i>Journal of Phycology</i> , 1994 , 30, 599-605	3	31
37	Characterization of 27-hydroxy-13-desmethyl spirolide C and 27-oxo-13,19-didesmethyl spirolide C. Further insights into the complex Adriatic <i>Alexandrium ostenfeldii</i> toxin profile. <i>Toxicon</i> , 2010 , 56, 1327-33 ^{2,8}		29
36	Correlation between the presence of <i>Gonyaulax fragilis</i> (Dinophyceae) and the mucilage phenomena of the Emilia-Romagna coast (northern Adriatic Sea). <i>Harmful Algae</i> , 2003 , 2, 301-316	5.3	28
35	Allelopathic effects of diatom filtrates on the toxic benthic dinoflagellate <i>Ostreopsis cf. ovata</i> . <i>Marine Environmental Research</i> , 2017 , 131, 116-122	3.3	27
34	Spermidine Uptake by Mitochondria of <i>Helianthus tuberosus</i> . <i>Plant Physiology</i> , 1990 , 92, 690-5	6.6	27
33	Growth dynamics in relation to the production of the main cellular components in the toxic dinoflagellate <i>Ostreopsis cf. ovata</i> . <i>Harmful Algae</i> , 2014 , 36, 1-10	5.3	26
32	Relevance of the dinoflagellate <i>Gonyaulax fragilis</i> in mucilage formations of the Adriatic Sea. <i>Science of the Total Environment</i> , 2005 , 353, 307-16	10.2	26
31	Polyamine Uptake, Kinetics, and Competition among Polyamines and between Polyamines and Inorganic Cations. <i>Plant Physiology</i> , 1986 , 80, 556-60	6.6	24
30	Distribution of Cadaverine and Lysine Decarboxylase Activity in <i>Nicotiana glauca</i> Plants. <i>Journal of Plant Physiology</i> , 1986 , 125, 9-15	3.6	24
29	Ovatoxin-a, A Palytoxin Analogue Isolated from <i>Ostreopsis cf. ovata</i> Fukuyo: Cytotoxic Activity and ELISA Detection. <i>Environmental Science & Technology</i> , 2016 , 50, 1544-51	10.3	23
28	Chemical and biological indicators of water quality in three agricultural watersheds of the Po valley, Italy. <i>Italian Journal of Agronomy</i> , 2011 , 6, 36	1.4	23

27	The dawn of dentistry in the late upper Paleolithic: An early case of pathological intervention at Riparo Fredian. <i>American Journal of Physical Anthropology</i> , 2017 , 163, 446-461	2.5	22
26	Subcellular localization of dinoflagellate polyketide synthases and fatty acid synthase activity. <i>Journal of Phycology</i> , 2013 , 49, 1118-27	3	21
25	Outdoor production of <i>Tisochrysis lutea</i> in pilot-scale tubular photobioreactors. <i>Journal of Applied Phycology</i> , 2016 , 28, 3159-3166	3.2	19
24	Inhibitory effect of polyunsaturated aldehydes (PUAs) on the growth of the toxic benthic dinoflagellate <i>Ostreopsis cf. ovata</i> . <i>Aquatic Toxicology</i> , 2016 , 179, 125-33	5.1	19
23	Toxicity evaluation of <i>Fibrocapsa japonica</i> from the Northern Adriatic Sea through a chemical and toxicological approach. <i>Harmful Algae</i> , 2010 , 9, 504-514	5.3	17
22	PUFAs and PUAs production in three benthic diatoms from the northern Adriatic Sea. <i>Phytochemistry</i> , 2017 , 142, 85-91	4	14
21	Effect of auxins on spermidine uptake into carrot protoplasts. <i>Physiologia Plantarum</i> , 1991 , 82, 19-23	4.6	14
20	Modelling the Stoichiometric Regulation of C-Rich Toxins in Marine Dinoflagellates. <i>PLoS ONE</i> , 2015 , 10, e0139046	3.7	14
19	Photobioreactor cultivation and catalytic pyrolysis of the microalga <i>Desmodesmus communis</i> (Chlorophyceae) for hydrocarbons production by HZSM-5 zeolite cracking. <i>Bioresource Technology</i> , 2016 , 222, 148-155	11	14
18	Cell Growth and Toxins' Content of <i>Ostreopsis cf. ovata</i> in Presence and Absence of Associated Bacteria. <i>Cryptogamie, Algologie</i> , 2012 , 33, 105-112	0.7	13
17	Effects of N and P availability on carbon allocation in the toxic dinoflagellate <i>Ostreopsis cf. ovata</i> . <i>Harmful Algae</i> , 2016 , 55, 202-212	5.3	13
16	Phylogenetic structure of bacterial assemblages co-occurring with <i>Ostreopsis cf. ovata</i> bloom. <i>Harmful Algae</i> , 2016 , 55, 259-271	5.3	12
15	Nutrient removal efficiency and physiological responses of <i>Desmodesmus communis</i> at different HRTs and nutrient stress condition using different sources of urban wastewater effluents. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 173, 74-89	3.2	12
14	Effect of Calcium on Spermine uptake in Carrot Cell Cultures and Protoplasts. <i>Journal of Plant Physiology</i> , 1990 , 136, 728-733	3.6	12
13	Pyrolysis of spirulina and zeolite cracking over HZSM-5. An analytical investigation on the chemical route of bio-oil from cultivation to combustion. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 126, 230-238	6	11
12	Combined effects of the herbicide terbuthylazine and temperature on different flagellates from the Northern Adriatic Sea. <i>Aquatic Toxicology</i> , 2013 , 128-129, 79-90	5.1	11
11	Flocculation induced by homogeneous and heterogeneous acid treatments in <i>Desmodesmus communis</i> . <i>Algal Research</i> , 2015 , 10, 145-151	5	10
10	Resting cysts of <i>Fibrocapsa japonica</i> (Raphidophyceae) from coastal sediments of the northern Adriatic Sea (Mediterranean Sea). <i>Harmful Algae</i> , 2010 , 10, 81-87	5.3	10

9	Gonyaulax hyalina and Gonyaulax fragilis (Dinoflagellata), two names associated with the same species. <i>Phycologia</i> , 2018 , 57, 453-464	2.7	9
8	Skeletonema marinoi (Bacillariophyceae) sensitivity to herbicides and effects of temperature increase on cellular responses to terbuthylazine exposure. <i>Aquatic Toxicology</i> , 2014 , 147, 112-20	5.1	8
7	Polyamines as growth substances in higher plants. <i>Advances in Experimental Medicine and Biology</i> , 1988 , 250, 547-58	3.6	8
6	Calcium ion transport in higher plant mitochondria (Helianthus tuberosus). <i>Physiologia Plantarum</i> , 1990 , 79, 297-302	4.6	5
5	A new approach to assess the effects of oil spills on phytoplankton community during the Serious Game Experiment (MEDESS-4MS Project). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016 , 133, 76-87	2.3	3
4	Assimilation of inorganic nitrogen for scaling up Desmodesmus communis (Scenedesmaceae) biomass production. <i>Journal of Applied Phycology</i> , 2019 , 31, 2833-2844	3.2	2
3	Survey of the allelopathic potential of Mediterranean macroalgae: production of long-chain polyunsaturated aldehydes (PUAs). <i>Phytochemistry</i> , 2021 , 189, 112826	4	1
2	Letter to the editor: Reply to Hardy & Buckley: Earliest evidence of bitumen from Homo sp. teeth is from El Sidro'n. <i>American Journal of Physical Anthropology</i> , 2017 , 164, 214-215	2.5	
1	Allelopathic interactions between phytobenthos and meiofaunal community in an Adriatic benthic ecosystem: Understanding the role of aldehydes and macroalgal structural complexity. <i>Science of the Total Environment</i> , 2021 , 807, 150827	10.2	