

Rossella Pistocchi

List of Publications by Year in descending order

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62
papers

2,597
citations

172457

29
h-index

189892

50
g-index

62
all docs

62
docs citations

62
times ranked

2557
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	11.3	184
2	Extraction of hydrocarbons from microalga <i>Botryococcus braunii</i> with switchable solvents. <i>Bioresource Technology</i> , 2010, 101, 3274-3279.	9.6	164
3	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, 2735-2744.	1.5	131
4	Comparative growth and toxin profile of cultured <i>Ostreopsis ovata</i> from the Tyrrhenian and Adriatic Seas. <i>Toxicon</i> , 2010, 55, 211-220.	1.6	122
5	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, 1869-1875.	13.7	113
6	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.	11.3	100
7	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.	1.6	99
8	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, 140-162.	4.6	86
9	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.	1.6	84
10	METABOLIC RESPONSES OF THE DIATOM <i>ACHNANTHES BREVIPES</i> (BACILLARIOPHYCEAE) TO NUTRIENT LIMITATION. <i>Journal of Phycology</i> , 2000, 36, 882-890.	2.3	72
11	Spermidine-preferential Uptake System in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 12205-12208.	3.4	71
12	INVESTIGATION OF 4-METHYL STEROLS FROM CULTURED DINOFLAGELLATE ALGAL STRAINS1. <i>Journal of Phycology</i> , 1997, 33, 61-67.	2.3	70
13	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.	4.8	65
14	Transport and Subcellular Localization of Polyamines in Carrot Protoplasts and Vacuoles. <i>Plant Physiology</i> , 1988, 87, 514-518.	4.8	63
15	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.	4.8	59
16	Polyamine Uptake in Carrot Cell Cultures. <i>Plant Physiology</i> , 1987, 84, 374-380.	4.8	58
17	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.	4.8	54
18	<i>Gonyaulax spinifera</i> from the Adriatic sea: Toxin production and phylogenetic analysis. <i>Harmful Algae</i> , 2009, 8, 279-290.	4.8	53

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19	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, 1878-1883.	3.0	46
20	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, 71-79.	9.6	46
21	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.	4.8	40
22	Effects of Imidazolium Ionic Liquids on Growth, Photosynthetic Efficiency, and Cellular Components of the Diatoms <i>Skeletonema marinoi</i> and <i>Phaeodactylum tricornutum</i> . <i>Chemical Research in Toxicology</i> , 2011, 24, 392-401.	3.3	40
23	Allelopathic effects of diatom filtrates on the toxic benthic dinoflagellate <i>Ostreopsis cf. ovata</i> . <i>Marine Environmental Research</i> , 2017, 131, 116-122.	2.5	37
24	Putrescine Uptake in <i>Saintpaulia</i> Petals. <i>Plant Physiology</i> , 1985, 77, 398-402.	4.8	35
25	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.	4.8	35
26	Putrescine uptake and translocation in higher plants. <i>Physiologia Plantarum</i> , 1989, 77, 225-230.	5.2	34
27	POLYAMINE TRANSPORT IN THE SEAWEED <i>ULVA RIGIDA</i> (CHLOROPHYTA)1. <i>Journal of Phycology</i> , 1994, 30, 599-605.	2.3	34
28	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, 1327-1333.	1.6	32
29	Relevance of the dinoflagellate <i>Gonyaulax fragilis</i> in mucilage formations of the Adriatic Sea. <i>Science of the Total Environment</i> , 2005, 353, 307-316.	8.0	31
30	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.	4.8	30
31	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, 1544-1551.	10.0	30
32	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.	2.1	28
33	Spermidine Uptake by Mitochondria of <i>Helianthus tuberosus</i> . <i>Plant Physiology</i> , 1990, 92, 690-695.	4.8	27
34	Polyamine Uptake, Kinetics, and Competition among Polyamines and between Polyamines and Inorganic Cations. <i>Plant Physiology</i> , 1986, 80, 556-560.	4.8	26
35	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.	1.0	26
36	Distribution of Cadaverine and Lysine Decarboxylase Activity in <i>Nicotiana glauca</i> Plants. <i>Journal of Plant Physiology</i> , 1986, 125, 9-15.	3.5	24

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37	Subcellular localization of dinoflagellate polyketide synthases and fatty acid synthase activity. <i>Journal of Phycology</i> , 2013, 49, 1118-1127.	2.3	23
38	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, 125-133.	4.0	22
39	Outdoor production of <i>Tisochrysis lutea</i> in pilot-scale tubular photobioreactors. <i>Journal of Applied Phycology</i> , 2016, 28, 3159-3166.	2.8	22
40	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.	4.8	20
41	PUFAs and PUAs production in three benthic diatoms from the northern Adriatic Sea. <i>Phytochemistry</i> , 2017, 142, 85-91.	2.9	19
42	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.	2.9	18
43	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.	9.6	18
44	Phylogenetic structure of bacterial assemblages co-occurring with <i>Ostreopsis cf. ovata</i> bloom. <i>Harmful Algae</i> , 2016, 55, 259-271.	4.8	17
45	<i>Skeletonema marinoi</i> (Bacillariophyceae) sensitivity to herbicides and effects of temperature increase on cellular responses to terbuthylazine exposure. <i>Aquatic Toxicology</i> , 2014, 147, 112-120.	4.0	15
46	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.	4.8	15
47	Modelling the Stoichiometric Regulation of C-Rich Toxins in Marine Dinoflagellates. <i>PLoS ONE</i> , 2015, 10, e0139046.	2.5	15
48	Effect of Calcium on Spermine uptake in Carrot Cell Cultures and Protoplasts. <i>Journal of Plant Physiology</i> , 1990, 136, 728-733.	3.5	14
49	Effect of auxins on spermidine uptake into carrot protoplasts. <i>Physiologia Plantarum</i> , 1991, 82, 19-23.	5.2	14
50	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.	0.9	14
51	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.	5.5	14
52	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.	4.0	13
53	<i>Gonyaulax hyalina</i> and <i>Gonyaulax fragilis</i> (Dinoflagellata), two names associated with "mare sporco", indicate the same species. <i>Phycologia</i> , 2018, 57, 453-464.	1.4	12
54	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.	4.8	11

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55	Flocculation induced by homogeneous and heterogeneous acid treatments in <i>Desmodesmus communis</i> . <i>Algal Research</i> , 2015, 10, 145-151.	4.6	11
56	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.	1.4	11
57	Polyamines as Growth Substances in Higher Plants. <i>Advances in Experimental Medicine and Biology</i> , 1988, 250, 547-558.	1.6	10
58	Survey of the allelopathic potential of Mediterranean macroalgae: production of long-chain polyunsaturated aldehydes (PUAs). <i>Phytochemistry</i> , 2021, 189, 112826.	2.9	8
59	Calcium ion transport in higher plant mitochondria (<i>Helianthus tuberosus</i>). <i>Physiologia Plantarum</i> , 1990, 79, 297-302.	5.2	7
60	Assimilation of inorganic nitrogen for scaling up <i>Desmodesmus communis</i> (Scenedesmaceae) biomass production. <i>Journal of Applied Phycology</i> , 2019, 31, 2833-2844.	2.8	4
61	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> , 2022, 807, 150827.	8.0	1
62	Letter to the editor: Reply to Hardy & Buckley: Earliest evidence of bitumen from <i>Homo</i> sp. teeth is from El Sidro'n. <i>American Journal of Physical Anthropology</i> , 2017, 164, 214-215.	2.1	0