

Rossella Pistocchi

List of Publications by Year in descending order

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62
papers

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citations

172457

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docs citations

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times ranked

2557
citing authors

#	ARTICLE	IF	CITATIONS
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> , 2022, 807, 150827.	8.0	1
2	Survey of the allelopathic potential of Mediterranean macroalgae: production of long-chain polyunsaturated aldehydes (PUAs). <i>Phytochemistry</i> , 2021, 189, 112826.	2.9	8
3	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
4	<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
5	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
6	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
7	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
8	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
9	PUFAs and PUAs production in three benthic diatoms from the northern Adriatic Sea. <i>Phytochemistry</i> , 2017, 142, 85-91.	2.9	19
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	Flocculation induced by homogeneous and heterogeneous acid treatments in <i>Desmodesmus communis</i> . <i>Algal Research</i> , 2015, 10, 145-151.	4.6	11

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19	Modelling the Stoichiometric Regulation of C-Rich Toxins in Marine Dinoflagellates. PLoS ONE, 2015, 10, e0139046.	2.5	15
20	Growth dynamics in relation to the production of the main cellular components in the toxic dinoflagellate <i>Ostreopsis cf. ovata</i> . Harmful Algae, 2014, 36, 1-10.	4.8	30
21	<i>Skeletonema marinoi</i> (Bacillariophyceae) sensitivity to herbicides and effects of temperature increase on cellular responses to terbuthylazine exposure. Aquatic Toxicology, 2014, 147, 112-120.	4.0	15
22	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. Applied Biochemistry and Biotechnology, 2014, 173, 74-89.	2.9	18
23	Subcellular localization of dinoflagellate polyketide synthases and fatty acid synthase activity. Journal of Phycology, 2013, 49, 1118-1127.	2.3	23
24	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. Water Research, 2013, 47, 791-801.	11.3	184
25	Combined effects of the herbicide terbuthylazine and temperature on different flagellates from the Northern Adriatic Sea. Aquatic Toxicology, 2013, 128-129, 79-90.	4.0	13
26	Cell Growth and Toxins' Content of <i>Ostreopsis cf. Ovata</i> in Presence and Absence of Associated Bacteria. Cryptogamie, Algologie, 2012, 33, 105-112.	0.9	14
27	Isolation and Structure Elucidation of Ovatoxin-a, the Major Toxin Produced by <i>Ostreopsis ovata</i> . Journal of the American Chemical Society, 2012, 134, 1869-1875.	13.7	113
28	Influence of temperature and salinity on <i>Ostreopsis cf. ovata</i> growth and evaluation of toxin content through HR LC-MS and biological assays. Water Research, 2012, 46, 82-92.	11.3	100
29	Nitrogen and phosphorus limitation effects on cell growth, biovolume, and toxin production in <i>Ostreopsis cf. ovata</i> . Harmful Algae, 2012, 15, 78-90.	4.8	65
30	Toxin Levels and Profiles in Microalgae from the North-Western Adriatic Sea—15 Years of Studies on Cultured Species. Marine Drugs, 2012, 10, 140-162.	4.6	86
31	Effects of Imidazolium Ionic Liquids on Growth, Photosynthetic Efficiency, and Cellular Components of the Diatoms <i>Skeletonema marinoi</i> and <i>Phaeodactylum tricornutum</i> . Chemical Research in Toxicology, 2011, 24, 392-401.	3.3	40
32	Chemical and biological indicators of water quality in three agricultural watersheds of the Po valley, Italy. Italian Journal of Agronomy, 2011, 6, 36.	1.0	26
33	Extraction of hydrocarbons from microalga <i>Botryococcus braunii</i> with switchable solvents. Bioresource Technology, 2010, 101, 3274-3279.	9.6	164
34	Complex palytoxin-like profile of <i>Ostreopsis ovata</i> . Identification of four new ovatoxins by high-resolution liquid chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 2735-2744.	1.5	131
35	Comparative growth and toxin profile of cultured <i>Ostreopsis ovata</i> from the Tyrrhenian and Adriatic Seas. Toxicon, 2010, 55, 211-220.	1.6	122
36	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. Toxicon, 2010, 56, 1327-1333.	1.6	32

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37	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
38	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
39	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
40	<i>Gonyaulax spinifera</i> from the Adriatic sea: Toxin production and phylogenetic analysis. <i>Harmful Algae</i> , 2009, 8, 279-290.	4.8	53
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	INVESTIGATION OF 4-METHYL STEROLS FROM CULTURED DINOFLAGELLATE ALGAL STRAINS1. <i>Journal of Phycology</i> , 1997, 33, 61-67.	2.3	70
50	Spermidine-preferential Uptake System in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 12205-12208.	3.4	71
51	POLYAMINE TRANSPORT IN THE SEAWEED <i>ULVA RIGIDA</i> (CHLOROPHYTA)1. <i>Journal of Phycology</i> , 1994, 30, 599-605.	2.3	34
52	Effect of auxins on spermidine uptake into carrot protoplasts. <i>Physiologia Plantarum</i> , 1991, 82, 19-23.	5.2	14
53	Spermidine Uptake by Mitochondria of <i>Helianthus tuberosus</i> . <i>Plant Physiology</i> , 1990, 92, 690-695.	4.8	27
54	Calcium ion transport in higher plant mitochondria (<i>Helianthus tuberosus</i>). <i>Physiologia Plantarum</i> , 1990, 79, 297-302.	5.2	7

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55	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
56	Putrescine uptake and translocation in higher plants. <i>Physiologia Plantarum</i> , 1989, 77, 225-230.	5.2	34
57	Transport and Subcellular Localization of Polyamines in Carrot Protoplasts and Vacuoles. <i>Plant Physiology</i> , 1988, 87, 514-518.	4.8	63
58	Polyamines as Growth Substances in Higher Plants. <i>Advances in Experimental Medicine and Biology</i> , 1988, 250, 547-558.	1.6	10
59	Polyamine Uptake in Carrot Cell Cultures. <i>Plant Physiology</i> , 1987, 84, 374-380.	4.8	58
60	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
61	Polyamine Uptake, Kinetics, and Competition among Polyamines and between Polyamines and Inorganic Cations. <i>Plant Physiology</i> , 1986, 80, 556-560.	4.8	26
62	Putrescine Uptake in <i>Saintpaulia</i> Petals. <i>Plant Physiology</i> , 1985, 77, 398-402.	4.8	35