Luciana Tartaglione

List of Publications by Year
in descending order

59 papers	3,231 citations	126907 33 h-index	149698 56 g-index
61 all docs	61 docs citations	61 times ranked	1858 citing authors

#	Article	IF	Citations
1	The Genoa 2005 Outbreak. Determination of Putative Palytoxin in MediterraneanOstreopsisovataby a New Liquid Chromatography Tandem Mass Spectrometry Method. Analytical Chemistry, 2006, 78, 6153-6159.	6.5	248
2	Putative palytoxin and its new analogue, ovatoxin-a, in Ostreopsis ovata collected along the ligurian coasts during the 2006 toxic outbreak. Journal of the American Society for Mass Spectrometry, 2008, 19, 111-120.	2.8	192
3	CyanoMetDB, a comprehensive public database of secondary metabolites from cyanobacteria. Water Research, 2021, 196, 117017.	11.3	142
4	Complex palytoxinâ€like profile of Ostreopsis ovata. Identification of four new ovatoxins by highâ€resolution liquid chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 2735-2744.	1.5	131
5	Comparative growth and toxin profile of cultured Ostreopsis ovata from the Tyrrhenian and Adriatic Seas. Toxicon, 2010, 55, 211-220.	1.6	122
6	Isolation and Structure Elucidation of Ovatoxin-a, the Major Toxin Produced by Ostreopsis ovata. Journal of the American Chemical Society, 2012, 134, 1869-1875.	13.7	113
7	First Finding of Ostreopsis cf. ovata Toxins in Marine Aerosols. Environmental Science & Technology, 2014, 48, 3532-3540.	10.0	104
8	The alternation of different morphotypes in the seasonal cycle of the toxic diatom Pseudo-nitzschia galaxiae. Harmful Algae, 2005, 4, 33-48.	4.8	101
9	Influence of temperature and salinity on Ostreopsis cf. ovata growth and evaluation of toxin content through HR LC-MS and biological assays. Water Research, 2012, 46, 82-92.	11.3	100
10	Unique Toxin Profile of a Mediterranean Ostreopsis cf. ovata Strain: HR LC-MSⁿ Characterization of Ovatoxin-f, a New Palytoxin Congener. Chemical Research in Toxicology, 2012, 25, 1243-1252.	3.3	100
11	LC-MS of palytoxin and its analogues: State of the art and future perspectives. Toxicon, 2011, 57, 376-389.	1.6	96
12	Ostreopsis cf. ovata bloom in the northern Adriatic Sea during summer 2009: Ecology, molecular characterization and toxin profile. Marine Pollution Bulletin, 2011, 62, 2512-2519.	5.0	91
13	Toxin Levels and Profiles in Microalgae from the North-Western Adriatic Seaâ€”15 Years of Studies on Cultured Species. Marine Drugs, 2012, 10, 140-162.	4.6	86
14	Toxin profile of Alexandrium ostenfeldii (Dinophyceae) from the Northern Adriatic Sea revealed by liquid chromatographyâ€“mass spectrometry. Toxicon, 2006, 47, 597-604.	1.6	84
15	Stereostructure and Biological Activity of 42-Hydroxy-palytoxin: A New Palytoxin Analogue from Hawaiian Palythoa Subspecies. Chemical Research in Toxicology, 2009, 22, 1851-1859.	3.3	82
16	The novel ovatoxin-g and isobaric palytoxin (so far referred to as putative palytoxin) from Ostreopsis cf. ovata (NW Mediterranean Sea): structural insights by LC-high resolution MSn. Analytical and Bioanalytical Chemistry, 2015, 407, 1191-1204.	3.7	70
17	Plastic-associated harmful microalgal assemblages in marine environment. Environmental Pollution, 2019, 244, 617-626.	7.5	69
18	Ostreopsis fattorussoi sp. nov. (Dinophyceae), a new benthic toxic Ostreopsis species from the eastern Mediterranean Sea. Journal of Phycology, 2016, 52, 1064-1084.	2.3	68

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19	Nitrogen and phosphorus limitation effects on cell growth, biovolume, and toxin production in Ostreopsis cf. ovata. Harmful Algae, 2012, 15, 78-90.	4.8	65
20	Hydrophilic interaction liquid chromatography/mass spectrometry for determination of domoic acid in Adriatic shellfish. Rapid Communications in Mass Spectrometry, 2005, 19, 2030-2038.	1.5	62
21	Toxin-Producing Ostreopsis cf. ovata are Likely to Bloom Undetected along Coastal Areas. Environmental Science & Technology, 2012, 46, 5574-5582.	10.0	60
22	Investigation of toxin profile of Mediterranean and Atlantic strains of Ostreopsis cf. siamensis (Dinophyceae) by liquid chromatographyâ€“high resolution mass spectrometry. Harmful Algae, 2013, 23, 19-27.	4.8	57
23	First detection of tetrodotoxin and high levels of paralytic shellfish poisoning toxins in shellfish from Sicily (Italy) by three different analytical methods. Chemosphere, 2019, 215, 881-892.	8.2	57
24	Influence of temperature, salinity and nutrient limitation on yessotoxin production and release by the dinoflagellate Protoceratium reticulatum in batch-cultures. Harmful Algae, 2007, 6, 707-717.	4.8	54
25	Gonyaulax spinifera from the Adriatic sea: Toxin production and phylogenetic analysis. Harmful Algae, 2009, 8, 279-290.	4.8	53
26	Spirolide Toxin Profile of Adriatic Alexandrium ostenfeldii Cultures and Structure Elucidation of 27-Hydroxy-13,19-didesmethyl Spirolide C. Journal of Natural Products, 2007, 70, 1878-1883.	3.0	46
27	Chemical, molecular, and eco-toxicological investigation of Ostreopsis sp. from Cyprus Island: structural insights into four new ovatoxins by LC-HRMS/MS. Analytical and Bioanalytical Chemistry, 2016, 408, 915-932.	3.7	45
28	SxtA and sxtG Gene Expression and Toxin Production in the Mediterranean Alexandrium minutum (Dinophyceae). Marine Drugs, 2014, 12, 5258-5276.	4.6	42
29	High Resolution LC-MSⁿ Fragmentation Pattern of Palytoxin as Template to Gain New Insights into Ovatoxin-a Structure. The Key Role of Calcium in MS Behavior of Palytoxins. Journal of the American Society for Mass Spectrometry, 2012, 23, 952-963.	2.8	36
30	Variability in Toxin Profiles of the Mediterranean Ostreopsis cf. ovata and in Structural Features of the Produced Ovatoxins. Environmental Science & Technology, 2017, 51, 13920-13928.	10.0	36
31	Complex toxin profile of Mytilus galloprovincialis from the Adriatic sea revealed by LCâ€“MS. Toxicon, 2010, 55, 280-288.	1.6	35
32	Liquid chromatographyâ€“high-resolution mass spectrometry for palytoxins in mussels. Analytical and Bioanalytical Chemistry, 2015, 407, 1463-1473.	3.7	34
33	Palytoxin and an Ostreopsis Toxin Extract Increase the Levels of mRNAs Encoding Inflammation-Related Proteins in Human Macrophages via p38 MAPK and NF-ÎºB. PLoS ONE, 2012, 7, e38139.	2.5	33
34	Characterization of 27-hydroxy-13-desmethyl spirolide C and 27-oxo-13,19-didesmethyl spirolide C. Further insights into the complex Adriatic Alexandrium ostenfeldii toxin profile. Toxicon, 2010, 56, 1327-1333.	1.6	32
35	Palytoxin in seafood by liquid chromatography tandem mass spectrometry: investigation of extraction efficiency and matrix effect. Analytical and Bioanalytical Chemistry, 2011, 401, 1043-1050.	3.7	30
36	Growth dynamics in relation to the production of the main cellular components in the toxic dinoflagellate Ostreopsis cf. ovata. Harmful Algae, 2014, 36, 1-10.	4.8	30

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37	Ovatoxin-a, A Palytoxin Analogue Isolated from Ostreopsis cf. ovata Fukuyo: Cytotoxic Activity and ELISA Detection. Environmental Science & Technology, 2016, 50, 1544-1551.	10.0	30
38	A 4-decade-long (and still ongoing) hunt for palytoxins chemical architecture. Toxicon, 2011, 57, 362-367.	1.6	26
39	Stereoisomers of 42-Hydroxy Palytoxin from Hawaiian Palythoa toxica and P. tuberculosa: Stereostructure Elucidation, Detection, and Biological Activities. Journal of Natural Products, 2014, 77, 351-357.	3.0	26
40	(1S,3R,4S,5R)5-O-Caffeoylquinic acid: Isolation, stereo-structure characterization and biological activity. Food Chemistry, 2015, 178, 306-310.	8.2	26
41	Desulfoyessotoxins from Adriatic Mussels:Â A New Problem for Seafood Safety Control. Chemical Research in Toxicology, 2007, 20, 95-98.	3.3	25
42	The sxt Gene and Paralytic Shellfish Poisoning Toxins as Markers for the Monitoring of Toxic Alexandrium Species Blooms. Environmental Science & Technology, 2015, 49, 14230-14238.	10.0	25
43	Marine Toxins in Italy: The More You Look, the More You Find. European Journal of Organic Chemistry, 2014, 2014, 1357-1369.	2.4	24
44	Ostreopsis cf. ovata from western Mediterranean Sea: Physiological responses under different temperature and salinity conditions. Harmful Algae, 2016, 57, 98-108.	4.8	24
45	Toxin Variability Estimations of 68 Alexandrium ostenfeldii (Dinophyceae) Strains from The Netherlands Reveal a Novel Abundant Gymnodimine. Microorganisms, 2017, 5, 29.	3.6	24
46	Influence of environmental factors on the toxin production of Ostreopsis cf. ovata during bloom events. Marine Pollution Bulletin, 2017, 123, 261-268.	5.0	20
47	Stereochemical Studies on Ovatoxinâ€a. Chemistry - A European Journal, 2012, 18, 16836-16843.	3.3	19
48	Biogeographic effects of the Gulf of Mexico red tide dinoflagellate Karenia brevis on Mediterranean copepods. Harmful Algae, 2012, 16, 63-73.	4.8	17
49	An aquarium hobbyist poisoning: Identification of new palytoxins in Palythoa cf. toxica and complete detoxification of the aquarium water by activated carbon. Toxicon, 2016, 121, 41-50.	1.6	17
50	NMR-based phytochemical analysis of Vitis vinifera cv Falanghina leaves. Characterization of a previously undescribed biflavonoid with antiproliferative activity. FÃ¬toterapÃ¬Ã¢, 2018, 125, 13-17.	2.2	17
51	Full relative stereochemistry assignment and conformational analysis of 13,19-didesmethyl spirolide C via NMR- and molecular modeling-based techniques. A step towards understanding spirolideâ€™s mechanism of action. Organic and Biomolecular Chemistry, 2009, 7, 3674.	2.8	16
52	Massive Occurrence of the Harmful Benthic Dinoflagellate Ostreopsis cf. ovata in the Eastern Adriatic Sea. Toxins, 2019, 11, 300.	3.4	16
53	Effects of N and P availability on carbon allocation in the toxic dinoflagellate Ostreopsis cf. ovata. Harmful Algae, 2016, 55, 202-212.	4.8	15
54	Determination of Palytoxins in Soft Coral and Seawater from a Home Aquarium. Comparison between Palythoa- and Ostreopsis-Related Inhalatory Poisonings. Environmental Science & Technology, 2016, 50, 1023-1030.	10.0	15

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55	Role of temperature and nutrients on the growth and toxin production of Prorocentrum hoffmannianum (Dinophyceae) from the Florida Keys. Harmful Algae, 2018, 80, 140-148.	4.8	13
56	Stereostructural Determination by a Synthetic and NMRâ€Based Approach of Three Oxazinins Isolated from Adriatic Mussels. European Journal of Organic Chemistry, 2007, 2007, 5434-5439.	2.4	11
57	Identification of Palytoxinâ€“Ca²⁺ Complex by NMR and Molecular Modeling Techniques. Journal of Organic Chemistry, 2014, 79, 72-79.	3.2	5
58	Toward Isolation of Palytoxins: Liquid Chromatography Coupled to Low- or High-Resolution Mass Spectrometry for the Study on the Impact of Drying Techniques, Solvents and Materials. Toxins, 2021, 13, 650.	3.4	2
59	Mass Spectrometryâ€“Based Methods for the Structural Characterization of Marine Toxins. Comprehensive Analytical Chemistry, 2017, , 193-209.	1.3	1