

# Luciana Tartaglione

## List of Publications by Citations

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59  
papers

2,593  
citations

29  
h-index

50  
g-index

61  
ext. papers

2,931  
ext. citations

5.4  
avg, IF

4.44  
L-index

#	Paper	IF	Citations
59	The Genoa 2005 outbreak. Determination of putative palytoxin in Mediterranean <i>Ostreopsis ovata</i> by a new liquid chromatography tandem mass spectrometry method. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 6153-9	7.8	215
58	Putative palytoxin and its new analogue, ovatoxin-a, in <i>Ostreopsis ovata</i> collected along the Ligurian coasts during the 2006 toxic outbreak. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2008</b> , 19, 111-20	3.5	171
57	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> , <b>2010</b> , 24, 2735-44	2.2	119
56	Comparative growth and toxin profile of cultured <i>Ostreopsis ovata</i> from the Tyrrhenian and Adriatic Seas. <i>Toxicon</i> , <b>2010</b> , 55, 211-20	2.8	109
55	Isolation and structure elucidation of ovatoxin-a, the major toxin produced by <i>Ostreopsis ovata</i> . <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1869-75	16.4	99
54	Unique toxin profile of a Mediterranean <i>Ostreopsis cf. ovata</i> strain: HR LC-MS(n) characterization of ovatoxin-f, a new palytoxin congener. <i>Chemical Research in Toxicology</i> , <b>2012</b> , 25, 1243-52	4	84
53	First finding of <i>Ostreopsis cf. ovata</i> toxins in marine aerosols. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 3532-40	10.3	83
52	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> , <b>2012</b> , 46, 82-92	12.5	83
51	LC-MS of palytoxin and its analogues: State of the art and future perspectives. <i>Toxicon</i> , <b>2011</b> , 57, 376-89	2.8	80
50	The alternation of different morphotypes in the seasonal cycle of the toxic diatom <i>Pseudo-nitzschia galaxiae</i> . <i>Harmful Algae</i> , <b>2005</b> , 4, 33-48	5.3	80
49	<i>Ostreopsis cf. ovata</i> bloom in the northern Adriatic Sea during summer 2009: ecology, molecular characterization and toxin profile. <i>Marine Pollution Bulletin</i> , <b>2011</b> , 62, 2512-9	6.7	78
48	Toxin profile of <i>Alexandrium ostenfeldii</i> (Dinophyceae) from the Northern Adriatic Sea revealed by liquid chromatography-mass spectrometry. <i>Toxicon</i> , <b>2006</b> , 47, 597-604	2.8	76
47	Stereostructure and biological activity of 42-hydroxy-palytoxin: a new palytoxin analogue from Hawaiian <i>Palythoa</i> subspecies. <i>Chemical Research in Toxicology</i> , <b>2009</b> , 22, 1851-9	4	72
46	Toxin levels and profiles in microalgae from the north-Western Adriatic Sea--15 years of studies on cultured species. <i>Marine Drugs</i> , <b>2012</b> , 10, 140-62	6	71
45	Nitrogen and phosphorus limitation effects on cell growth, biovolume, and toxin production in <i>Ostreopsis cf. ovata</i> . <i>Harmful Algae</i> , <b>2012</b> , 15, 78-90	5.3	59
44	The novel ovatoxin-g and isobaric palytoxin (so far referred to as putative palytoxin) from <i>Ostreopsis cf. ovata</i> (NW Mediterranean Sea): structural insights by LC-high resolution MS(n.). <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 1191-204	4.4	57
43	Hydrophilic interaction liquid chromatography/mass spectrometry for determination of domoic acid in Adriatic shellfish. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 2030-8	2.2	53

42	Toxin-producing <i>Ostreopsis cf. ovata</i> are likely to bloom undetected along coastal areas. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 5574-82	10.3	51
41	Investigation of toxin profile of Mediterranean and Atlantic strains of <i>Ostreopsis cf. siamensis</i> (Dinophyceae) by liquid chromatography-high resolution mass spectrometry. <i>Harmful Algae</i> , <b>2013</b> , 23, 19-27	5.3	49
40	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> , <b>2007</b> , 6, 707-717	5.3	48
39	<i>Ostreopsis fattorussoi</i> sp. nov. (Dinophyceae), a new benthic toxic <i>Ostreopsis</i> species from the eastern Mediterranean Sea. <i>Journal of Phycology</i> , <b>2016</b> , 52, 1064-1084	3	47
38	<i>Gonyaulax spinifera</i> from the Adriatic sea: Toxin production and phylogenetic analysis. <i>Harmful Algae</i> , <b>2009</b> , 8, 279-290	5.3	45
37	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> , <b>2007</b> , 70, 1878-83	4.9	44
36	CyanoMetDB, a comprehensive public database of secondary metabolites from cyanobacteria. <i>Water Research</i> , <b>2021</b> , 196, 117017	12.5	37
35	Chemical, molecular, and eco-toxicological investigation of <i>Ostreopsis</i> sp. from Cyprus Island: structural insights into four new ovatoxins by LC-HRMS/MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 915-32	4.4	36
34	Plastic-associated harmful microalgal assemblages in marine environment. <i>Environmental Pollution</i> , <b>2019</b> , 244, 617-626	9.3	34
33	High resolution LC-MS(n) fragmentation pattern of palytoxin as template to gain new insights into ovatoxin-a structure. The key role of calcium in MS behavior of palytoxins. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2012</b> , 23, 952-63	3.5	33
32	Complex toxin profile of <i>Mytilus galloprovincialis</i> from the Adriatic sea revealed by LC-MS. <i>Toxicon</i> , <b>2010</b> , 55, 280-8	2.8	32
31	First detection of tetrodotoxin and high levels of paralytic shellfish poisoning toxins in shellfish from Sicily (Italy) by three different analytical methods. <i>Chemosphere</i> , <b>2019</b> , 215, 881-892	8.4	30
30	Palytoxin and an <i>Ostreopsis</i> toxin extract increase the levels of mRNAs encoding inflammation-related proteins in human macrophages via p38 MAPK and NF- $\kappa$ B. <i>PLoS ONE</i> , <b>2012</b> , 7, e38139	3.7	29
29	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> , <b>2010</b> , 56, 1327-33	2.8	29
28	Liquid chromatography-high-resolution mass spectrometry for palytoxins in mussels. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 1463-73	4.4	27
27	SxtA and sxtG gene expression and toxin production in the Mediterranean <i>Alexandrium minutum</i> (Dinophyceae). <i>Marine Drugs</i> , <b>2014</b> , 12, 5258-76	6	27
26	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> , <b>2014</b> , 36, 1-10	5.3	26
25	Palytoxin in seafood by liquid chromatography tandem mass spectrometry: investigation of extraction efficiency and matrix effect. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 1043-50	4.4	25

24	Variability in Toxin Profiles of the Mediterranean <i>Ostreopsis cf. ovata</i> and in Structural Features of the Produced Ovatoxins. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 13920-13928	10.3	24
23	Ovatoxin-a, A Palytoxin Analogue Isolated from <i>Ostreopsis cf. ovata</i> Fukuyo: Cytotoxic Activity and ELISA Detection. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1544-51	10.3	23
22	A 4-decade-long (and still ongoing) hunt for palytoxins chemical architecture. <i>Toxicon</i> , <b>2011</b> , 57, 362-7	2.8	23
21	Stereoisomers of 42-hydroxy palytoxin from Hawaiian <i>Palythoa toxica</i> and <i>P. tuberculosa</i> : stereostructure elucidation, detection, and biological activities. <i>Journal of Natural Products</i> , <b>2014</b> , 77, 351-7	4.9	22
20	Desulfooyessotoxins from Adriatic mussels: a new problem for seafood safety control. <i>Chemical Research in Toxicology</i> , <b>2007</b> , 20, 95-8	4	21
19	(1S,3R,4S,5R)5-O-Caffeoylquinic acid: isolation, stereo-structure characterization and biological activity. <i>Food Chemistry</i> , <b>2015</b> , 178, 306-10	8.5	20
18	The sxt Gene and Paralytic Shellfish Poisoning Toxins as Markers for the Monitoring of Toxic <i>Alexandrium</i> Species Blooms. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 14230-8	10.3	18
17	Marine Toxins in Italy: The More You Look, the More You Find. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 1357-1369	3.2	18
16	Toxin Variability Estimations of 68 <i>Alexandrium ostenfeldii</i> (Dinophyceae) Strains from The Netherlands Reveal a Novel Abundant Gymnodimine. <i>Microorganisms</i> , <b>2017</b> , 5,	4.9	17
15	<i>Ostreopsis cf. ovata</i> from western Mediterranean Sea: Physiological responses under different temperature and salinity conditions. <i>Harmful Algae</i> , <b>2016</b> , 57, 98-108	5.3	16
14	Stereochemical studies on ovatoxin-a. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 16836-43	4.8	15
13	An aquarium hobbyist poisoning: Identification of new palytoxins in <i>Palythoa cf. toxica</i> and complete detoxification of the aquarium water by activated carbon. <i>Toxicon</i> , <b>2016</b> , 121, 41-50	2.8	14
12	Influence of environmental factors on the toxin production of <i>Ostreopsis cf. ovata</i> during bloom events. <i>Marine Pollution Bulletin</i> , <b>2017</b> , 123, 261-268	6.7	13
11	Biogeographic effects of the Gulf of Mexico red tide dinoflagellate <i>Karenia brevis</i> on Mediterranean copepods. <i>Harmful Algae</i> , <b>2012</b> , 16, 63-73	5.3	13
10	Full relative stereochemistry assignment and conformational analysis of 13,19-didesmethyl spirolide C via NMR- and molecular modeling-based techniques. A step towards understanding spirolide's mechanism of action. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 3674-81	3.9	13
9	Effects of N and P availability on carbon allocation in the toxic dinoflagellate <i>Ostreopsis cf. ovata</i> . <i>Harmful Algae</i> , <b>2016</b> , 55, 202-212	5.3	13
8	NMR-based phytochemical analysis of <i>Vitis vinifera</i> cv Falanghina leaves. Characterization of a previously undescribed biflavonoid with antiproliferative activity. <i>Phytotherapy Research</i> , <b>2018</b> , 125, 13-17	3.2	12
7	Massive Occurrence of the Harmful Benthic Dinoflagellate <i>cf.</i> in the Eastern Adriatic Sea. <i>Toxins</i> , <b>2019</b> , 11,	4.9	11

6	Determination of Palytoxins in Soft Coral and Seawater from a Home Aquarium. Comparison between Palythoa- and Ostreopsis-Related Inhalatory Poisonings. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1023-30	10.3	11
5	Stereostructural Determination by a Synthetic and NMR-Based Approach of Three Oxazinins Isolated from Adriatic Mussels. <i>European Journal of Organic Chemistry</i> , <b>2007</b> , 2007, 5434-5439	3.2	11
4	Comprehensive database of secondary metabolites from cyanobacteria		11
3	Role of temperature and nutrients on the growth and toxin production of <i>Prorocentrum hoffmannianum</i> (Dinophyceae) from the Florida Keys. <i>Harmful Algae</i> , <b>2018</b> , 80, 140-148	5.3	9
2	Identification of palytoxin-Ca <sup>2+</sup> complex by NMR and molecular modeling techniques. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 72-9	4.2	5
1	Mass SpectrometryBased Methods for the Structural Characterization of Marine Toxins. <i>Comprehensive Analytical Chemistry</i> , <b>2017</b> , 193-209	1.9	1