Carmela Dell'Aversano

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1598904/publications.pdf

Version: 2024-02-01

101 papers	5,099 citations	66234 42 h-index	98622 67 g-index
107 all docs	107 docs citations	107 times ranked	3193 citing authors

#	Article	IF	Citations
1	Development of a data dependent acquisition-based approach for the identification of unknown fast-acting toxins and their ester metabolites. Talanta, 2021, 224, 121842.	2.9	11
2	Improving in vitro ciguatoxin and brevetoxin detection: selecting neuroblastoma (Neuro-2a) cells with lower sensitivity to ouabain and veratridine (OV-LS). Harmful Algae, 2021, 103, 101994.	2.2	19
3	Ciguatera Mini Review: 21st Century Environmental Challenges and the Interdisciplinary Research Efforts Rising to Meet Them. International Journal of Environmental Research and Public Health, 2021, 18, 3027.	1.2	20
4	CyanoMetDB, a comprehensive public database of secondary metabolites from cyanobacteria. Water Research, 2021, 196, 117017.	5.3	142
5	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.	1.5	2
6	Exploring the Photodynamic Properties of Two Antiproliferative Benzodiazopyrrole Derivatives. International Journal of Molecular Sciences, 2020, 21, 1246.	1.8	10
7	HPLC-Based Analysis of Impurities in Sapropterin Branded and Generic Tablets. Pharmaceutics, 2020, 12, 323.	2.0	1
8	Massive Occurrence of the Harmful Benthic Dinoflagellate Ostreopsis cf. ovata in the Eastern Adriatic Sea. Toxins, 2019, 11, 300.	1.5	16
9	Structural studies and biological evaluation of T30695 variants modified with single chiral glycerol-T reveal the importance of LEDGF/p75 for the aptamer anti-HIV-integrase activities. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 351-361.	1.1	1
10	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.	4.2	57
11	Plastic-associated harmful microalgal assemblages in marine environment. Environmental Pollution, 2019, 244, 617-626.	3.7	69
12	Identification of a Sorbicillinoid-Producing Aspergillus Strain with Antimicrobial Activity Against Staphylococcus aureus: a New Polyextremophilic Marine Fungus from Barents Sea. Marine Biotechnology, 2018, 20, 502-511.	1.1	19
13	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.	1.1	17
14	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.	2.2	13
15	Mediterranean Azadinium dexteroporum (Dinophyceae) produces six novel azaspiracids and azaspiracid-35: a structural study by a multi-platform mass spectrometry approach. Analytical and Bioanalytical Chemistry, 2017, 409, 1121-1134.	1.9	50
16	Influence of environmental factors on the toxin production of Ostreopsis cf. ovata during bloom events. Marine Pollution Bulletin, 2017, 123, 261-268.	2.3	20
17	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.	4.6	36
18	Toxin Variability Estimations of 68 Alexandrium ostenfeldii (Dinophyceae) Strains from The Netherlands Reveal a Novel Abundant Gymnodimine. Microorganisms, 2017, 5, 29.	1.6	24

#	Article	IF	Citations
19	Mass Spectrometryâ€"Based Methods for the Structural Characterization of Marine Toxins. Comprehensive Analytical Chemistry, 2017, , 193-209.	0.7	1
20	Effects of N and P availability on carbon allocation in the toxic dinoflagellate Ostreopsis cf. ovata. Harmful Algae, 2016, 55, 202-212.	2.2	15
21	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.	0.8	17
22	Ostreopsis fattorussoi sp. nov. (Dinophyceae), a new benthic toxic Ostreopsis species from the eastern Mediterranean Sea. Journal of Phycology, 2016, 52, 1064-1084.	1.0	68
23	Ostreopsis cf. ovata from western Mediterranean Sea: Physiological responses under different temperature and salinity conditions. Harmful Algae, 2016, 57, 98-108.	2.2	24
24	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.	1.9	45
25	Ovatoxin-a, A Palytoxin Analogue Isolated from Ostreopsis cf. ovata Fukuyo: Cytotoxic Activity and ELISA Detection. Environmental Science & Technology, 2016, 50, 1544-1551.	4.6	30
26	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.	4.6	15
27	NMR-based identification of the phenolic profile of fruits of Lycium barbarum (goji berries). Isolation and structural determination of a novel N-feruloyl tyramine dimer as the most abundant antioxidant polyphenol of goji berries. Food Chemistry, 2016, 194, 1254-1259.	4.2	95
28	(1S,3R,4S,5R)5-O-Caffeoylquinic acid: Isolation, stereo-structure characterization and biological activity. Food Chemistry, 2015, 178, 306-310.	4.2	26
29	Liquid chromatographyâ€"high-resolution mass spectrometry for palytoxins in mussels. Analytical and Bioanalytical Chemistry, 2015, 407, 1463-1473.	1.9	34
30	Active role of the mucilage in the toxicity mechanism of the harmful benthic dinoflagellate Ostreopsis cf. ovata. Harmful Algae, 2015, 44, 46-53.	2.2	48
31	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.	4.6	25
32	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.	1.9	70
33	Marine Toxins in Italy: The More You Look, the More You Find. European Journal of Organic Chemistry, 2014, 2014, 1357-1369.	1.2	24
34	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.	2.2	30
35	Identification of Palytoxinâ€"Ca²⁺ Complex by NMR and Molecular Modeling Techniques. Journal of Organic Chemistry, 2014, 79, 72-79.	1.7	5
36	First Finding of Ostreopsis cf. ovata Toxins in Marine Aerosols. Environmental Science & Technology, 2014, 48, 3532-3540.	4.6	104

#	Article	IF	Citations
37	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.	1.5	26
38	SxtA and sxtG Gene Expression and Toxin Production in the Mediterranean Alexandrium minutum (Dinophyceae). Marine Drugs, 2014, 12, 5258-5276.	2.2	42
39	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.	2.2	57
40	New Insights on Cytological and Metabolic Features of Ostreopsis cf. ovata Fukuyo (Dinophyceae): A Multidisciplinary Approach. PLoS ONE, 2013, 8, e57291.	1.1	67
41	Toxin-Producing Ostreopsis cf. ovata are Likely to Bloom Undetected along Coastal Areas. Environmental Science & Technology, 2012, 46, 5574-5582.	4.6	60
42	Stereochemical Studies on Ovatoxinâ€a. Chemistry - A European Journal, 2012, 18, 16836-16843.	1.7	19
43	Cell Growth and Toxins' Content ofOstreopsiscf.Ovatain Presence and Absence of Associated Bacteria. Cryptogamie, Algologie, 2012, 33, 105-112.	0.3	14
44	Isolation and Structure Elucidation of Ovatoxin-a, the Major Toxin Produced by Ostreopsis ovata. Journal of the American Chemical Society, 2012, 134, 1869-1875.	6.6	113
45	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.	5.3	100
46	Seafood Toxins: Classes, Sources, and Toxicology. , 2012, , 1345-1387.		2
47	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.	1.7	100
48	Nitrogen and phosphorus limitation effects on cell growth, biovolume, and toxin production in Ostreopsis cf. ovata. Harmful Algae, 2012, 15, 78-90.	2.2	65
49	Biogeographic effects of the Gulf of Mexico red tide dinoflagellate Karenia brevis on Mediterranean copepods. Harmful Algae, 2012, 16, 63-73.	2.2	17
50	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.	1.1	33
51	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.	2.2	86
52	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.	1.2	36
53	Harmful Dinoflagellate Ostreopsis cf. ovata Fukuyo: Detection of Ovatoxins in Field Samples and Cell Immunolocalization Using Antipalytoxin Antibodies. Environmental Science & Technology, 2011, 45, 7051-7059.	4.6	35
54	A 4-decade-long (and still ongoing) hunt for palytoxins chemical architecture. Toxicon, 2011, 57, 362-367.	0.8	26

#	Article	IF	Citations
55	A review on the effects of environmental conditions on growth and toxin production of Ostreopsis ovata. Toxicon, 2011, 57, 421-428.	0.8	94
56	LC-MS of palytoxin and its analogues: State of the art and future perspectives. Toxicon, 2011, 57, 376-389.	0.8	96
57	The acute and chronic effects of combined antipsychoticâ€"mood stabilizing treatment on the expression of cortical and striatal postsynaptic density genes. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 184-197.	2.5	44
58	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.	2.3	91
59	Palytoxin in seafood by liquid chromatography tandem mass spectrometry: investigation of extraction efficiency and matrix effect. Analytical and Bioanalytical Chemistry, 2011, 401, 1043-1050.	1.9	30
60	Hydrophilic Interaction Liquid Chromatographyâ€"Mass Spectrometry (HILICâ€"MS) of Paralytic Shellfish Poisoning Toxins, Domoic Acid, and Assorted Cyanobacterial Toxins. Chromatographic Science, 2011, , 105-132.	0.1	1
61	Palytoxins: A still haunting Hawaiian curse. Phytochemistry Reviews, 2010, 9, 491-500.	3.1	11
62	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.	0.7	131
63	Comparative growth and toxin profile of cultured Ostreopsis ovata from the Tyrrhenian and Adriatic Seas. Toxicon, 2010, 55, 211-220.	0.8	122
64	Complex toxin profile of Mytilus galloprovincialis from the Adriatic sea revealed by LCâ€"MS. Toxicon, 2010, 55, 280-288.	0.8	35
65	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.	0.8	32
66	Chapter 1 Recent Developments in Mediterranean Harmful Algal Events. Advances in Molecular Toxicology, 2009, 3, 1-41.	0.4	6
67	Stereostructure and Biological Activity of 42-Hydroxy-palytoxin: A New Palytoxin Analogue from Hawaiian Palythoa Subspecies. Chemical Research in Toxicology, 2009, 22, 1851-1859.	1.7	82
68	Antipsychotic and antidepressant co-treatment: Effects on transcripts of inducible postsynaptic density genes possibly implicated in behavioural disorders. Brain Research Bulletin, 2009, 79, 123-129.	1.4	31
69	Gonyaulax spinifera from the Adriatic sea: Toxin production and phylogenetic analysis. Harmful Algae, 2009, 8, 279-290.	2.2	53
70	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.	1.5	16
71	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.	1.2	192
72	Isolation and Structure Elucidation of New and Unusual Saxitoxin Analogues from Mussels. Journal of Natural Products, 2008, 71, 1518-1523.	1.5	101

#	Article	IF	Citations
73	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.	1.5	46
74	Desulfoyessotoxins from Adriatic Mussels:Â A New Problem for Seafood Safety Control. Chemical Research in Toxicology, 2007, 20, 95-98.	1.7	25
75	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.	2.2	54
76	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.	1.2	11
77	Differential expression ofHomer 1 gene by acute and chronic administration of antipsychotics and dopamine transporter inhibitors in the rat forebrain. Synapse, 2007, 61, 429-439.	0.6	34
78	Investigation of the toxin profile of Greek mussels Mytilus galloprovincialis by liquid chromatographyâ€"mass spectrometry. Toxicon, 2006, 47, 174-181.	0.8	38
79	Toxin profile of Alexandrium ostenfeldii (Dinophyceae) from the Northern Adriatic Sea revealed by liquid chromatographyâ€"mass spectrometry. Toxicon, 2006, 47, 597-604.	0.8	84
80	Oxazinins from toxic mussels: isolation of a novel oxazinin and reassignment of the C-2 configuration of oxazinin-1 and -2 on the basis of synthetic models. Tetrahedron, 2006, 62, 7738-7743.	1.0	18
81	Involvement of the nitric oxide/protein kinase G pathway in polychlorinated biphenyl-induced cell death in SH-SY 5Y neuroblastoma cells. Journal of Neuroscience Research, 2006, 84, 692-697.	1.3	37
82	The Genoa 2005 Outbreak. Determination of Putative Palytoxin in MediterraneanOstreopsisovataby a New Liquid Chromatography Tandem Mass Spectrometry Method. Analytical Chemistry, 2006, 78, 6153-6159.	3.2	248
83	Hydrophilic interaction liquid chromatographyâ€"mass spectrometry for the analysis of paralytic shellfish poisoning (PSP) toxins. Journal of Chromatography A, 2005, 1081, 190-201.	1.8	246
84	Hydrophilic interaction liquid chromatography/mass spectrometry for determination of domoic acid in Adriatic shellfish. Rapid Communications in Mass Spectrometry, 2005, 19, 2030-2038.	0.7	62
85	The alternation of different morphotypes in the seasonal cycle of the toxic diatom Pseudo-nitzschia galaxiae. Harmful Algae, 2005, 4, 33-48.	2.2	101
86	Analysis of cyanobacterial toxins by hydrophilic interaction liquid chromatographyâ€"mass spectrometry. Journal of Chromatography A, 2004, 1028, 155-164.	1.8	149
87	A new cytotoxic polychlorinated sulfolipid from contaminated Adriatic mussels. Tetrahedron, 2004, 60, 7093-7098.	1.0	46
88	Structureâˆ'Activity Relationships of Yessotoxins in Cultured Cells. Chemical Research in Toxicology, 2004, 17, 1251-1257.	1.7	36
89	Complex yessotoxins profile in Protoceratium reticulatum from north-western Adriatic sea revealed by LCâ€"MS analysis. Toxicon, 2003, 42, 7-14.	0.8	99
90	Toxins from Adriatic blue mussels. A decade of studies. Pure and Applied Chemistry, 2003, 75, 325-336.	0.9	29

#	Article	IF	Citations
91	The Detection and Identification of 42,43,44,45,46,47,55-Heptanor-41-oxoyessotoxin, a New Marine Toxin from Adriatic Shellfish, by Liquid Chromatographyâˆ'Mass Spectrometry. Chemical Research in Toxicology, 2002, 15, 979-984.	1.7	38
92	Structure and Stereochemistry of a New Cytotoxic Polychlorinated Sulfolipid from Adriatic Shellfish. Journal of the American Chemical Society, 2002, 124, 13114-13120.	6.6	65
93	The toxigenic marine dinoflagellate Alexandrium tamarense as the probable cause of mortality of caged salmon in Nova Scotia. Harmful Algae, 2002, 1, 313-325.	2.2	84
94	Direct detection of yessotoxin and its analogues by liquid chromatography coupled with electrospray ion trap mass spectrometry. Journal of Chromatography A, 2002, 968, 61-69.	1.8	43
95	Oxazinin-1, -2 and -3 âˆ' A Novel Toxic Compound and Its Analogues from the Digestive Glands ofMytilus galloprovincialis. European Journal of Organic Chemistry, 2001, 2001, 49-53.	1.2	22
96	Archerine, a Novel Anti-Histaminic Bromotyrosine-Derived Compound from the Caribbean Marine SpongeAplysina archeri. European Journal of Organic Chemistry, 2001, 2001, 55-60.	1.2	19
97	Assignment of the absolute stereochemistry of oxazinin-1: application of the 9-AMA shift-correlation method for Î²-chiral primary alcohols. Tetrahedron, 2001, 57, 8189-8192.	1.0	18
98	Ecdysteroids from the Caribbean sponge Iotrochota birotulata. Steroids, 2000, 65, 138-142.	0.8	24
99	Chemistry of Verongida Sponges. 10.1Secondary Metabolite Composition of the Caribbean SpongeVerongulagigantea. Journal of Natural Products, 2000, 63, 263-266.	1.5	50
100	Chemistry of Verongida Sponges. 9. Secondary Metabolite Composition of the Caribbean Sponge Aplysina cauliformis. Journal of Natural Products, 1999, 62, 590-593.	1.5	51
101	Chemistry of Verongida sponges. VII bromocompounds from the caribbean sponge Aplysina archeri. Tetrahedron, 1996, 52, 9863-9868.	1.0	38