Valeria Costantino

List of Publications by Year
in descending order

105	2,459	186265	289244
papers	citations	28 h-index	40 g-index

125	125	125	2309
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glycolipids from Sponges. 6.1Plakoside A and B, Two Unique Prenylated Glycosphingolipids with Immunosuppressive Activity from the Marine SpongePlakortis simplex. Journal of the American Chemical Society, 1997, 119, 12465-12470.	13.7	91
2	Quorum Sensing Inhibitors from the Sea Discovered Using Bacterial N-acyl-homoserine Lactone-Based Biosensors. Marine Drugs, 2017, 15, 53.	4.6	68
3	In Search of Alternative Antibiotic Drugs: Quorum-Quenching Activity in Sponges and their Bacterial Isolates. Frontiers in Microbiology, 2016, 7, 416.	3.5	66
4	Glycolipids from sponges. IV. Immunomodulating glycosyl ceramides from the marine sponge agelas dispar.. Tetrahedron, 1996, 52, 1573-1578.	1.9	64
5	Chemistry of Verongida Sponges, II. Constituents of the Caribbean Sponge Aplysina fistularis forma fulva. Journal of Natural Products, 1994, 57, 705-712.	3.0	62
6	Glycolipids from sponges. VII.1 simplexides, novel immunosuppressive glycolipids from the caribbean sponge Plakortis simplex. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 271-276.	2.2	57
7	Smenamides A and B, Chlorinated Peptide/Polyketide Hybrids Containing a Dolapyrrolidinone Unit from the Caribbean Sponge Smenospongia aurea. Evaluation of Their Role as Leads in Antitumor Drug Research. Marine Drugs, 2013, 11, 4451-4463.	4.6	56
8	Combined LCâ€“MS/MS and Molecular Networking Approach Reveals New Cyanotoxins from the 2014 Cyanobacterial Bloom in Green Lake, Seattle. Environmental Science & Technology, 2015, 49, 14301-14310.	10.0	55
9	Isolation and Assessment of the in Vitro Anti-Tumor Activity of Smenothiazole A and B, Chlorinated Thiazole-Containing Peptide/Polyketides from the Caribbean Sponge, Smenospongia aurea. Marine Drugs, 2015, 13, 444-459.	4.6	54
10	Chemical Diversity of Bioactive Marine Natural Products: An Illustrative Case Study. Current Medicinal Chemistry, 2004, 11, 1671-1692.	2.4	50
11	Isolation of five-membered cyclitol glycolipids, crasserides: unique glycerides from the sponge Pseudoceratina crassa. Journal of Organic Chemistry, 1993, 58, 186-191.	3.2	47
12	New 9,11-secosterols from gorgonia Subergorgia suberosa of the Indian Ocean. Steroids, 1998, 63, 575-578.	1.8	45
13	Glycolipids from Sponges. 13.1Clarhamnoside, the First Rhamnosylated Î±-Galactosylceramide fromAgelasclathrodes. Improving Spectral Strategies for Glycoconjugate Structure Determination. Journal of Organic Chemistry, 2004, 69, 1174-1179.	3.2	45
14	Tedanol: A potent anti-inflammatory ent-pimarane diterpene from the Caribbean Sponge Tedania ignis. Bioorganic and Medicinal Chemistry, 2009, 17, 7542-7547.	3.0	45
15	Okadaic acid in mussels of Adriatic sea. Marine Pollution Bulletin, 1992, 24, 234-237.	5.0	43
16	Tedarenes A and B: Structural and Stereochemical Analysis of Two New Strained Cyclic Diarylheptanoids from the Marine Sponge Tedania ignis. Journal of Organic Chemistry, 2012, 77, 6377-6383.	3.2	41
17	A mild and easy one-pot procedure for the synthesis of 2-deoxysugars from glycals. Tetrahedron Letters, 2000, 41, 9177-9180.	1.4	38
18	Cellular localisation of secondary metabolites isolated from the Caribbean sponge Plakortis simplex. Marine Biology, 2007, 151, 1365-1373.	1.5	37

#	Article	IF	Citations
19	Cyanobacteria as indicators of water quality in Campania coasts, Italy: a monitoring strategy combining remote/proximal sensing andin situdata. Environmental Research Letters, 2017, 12, 024001.	5.2	37
20	Glycolipids from Sponges. 20. J-Coupling Analysis for Stereochemical Assignments in Furanosides: Structure Elucidation of Vesparioside B, a Glycosphingolipid from the Marine Sponge Spheciospongia vesparia. Journal of Organic Chemistry, 2008, 73, 6158-6165.	3.2	36
21	Thermoactinoamide A, an Antibiotic Lipophilic Cyclopeptide from the Icelandic Thermophilic Bacterium Thermoactinomyces vulgaris. Journal of Natural Products, 2017, 80, 2530-2535.	3.0	33
22	Polysiphenol, a new brominated 9,10-dihydrophenanthrene from the senegalese red alga polysyphonia ferulacea. Tetrahedron Letters, 1992, 33, 555-558.	1.4	32
23	Immunomodulating glycosphingolipids: an efficient synthesis of a 2â€²-deoxy-Î±-galactosyl-GSL. Tetrahedron, 2002, 58, 369-375.	1.9	32
24	Polyketide Synthases in the Microbiome of the Marine Sponge Plakortis halichondrioides: A Metagenomic Update. Marine Drugs, 2014, 12, 5425-5440.	4.6	32
25	A biosynthetically significant new bacteriohopanoid present in large amounts in the Caribbean sponge Plakortis simplex. Tetrahedron, 2001, 57, 4045-4048.	1.9	30
26	Immunomodulatory Î±-Galactoglycosphingolipids: Synthesis of 2'-Fluoro-2'-deoxy-Î±-galactosylceramide and an Evaluation of Its Immunostimulating Properties. European Journal of Organic Chemistry, 2005, 2005, 3279-3285.	2.4	30
27	A New N -Acyl Homoserine Lactone Synthase in an Uncultured Symbiont of the Red Sea Sponge Theonella swinhoei. Applied and Environmental Microbiology, 2016, 82, 1274-1285.	3.1	30
28	A New Iodinated Metabolite and a New Alkyl Sulfate from the Senegalese SpongePtilocaulisspiculifer. Journal of Natural Products, 1996, 59, 271-272.	3.0	29
29	ImmunomodulatoryÎ±-Galactoglycosphingolipids: Synthesis of a 2â€²-O-Methyl-Î±-Gal-GSL and Evaluation of Its Immunostimulating Capacity. European Journal of Organic Chemistry, 2004, 2004, 468-473.	2.4	29
30	Novel 3-Î²-methoxysteroids from the senegalse sponge Microscleroderma spirophora. Steroids, 1994, 59, 181-184.	1.8	28
31	Glycolipids from Sponges. Part 9: Plakoside C and D, Two Further Prenylated Glycosphingolipids from the Marine Sponge Ectyoplasia ferox. Tetrahedron, 2000, 56, 5953-5957.	1.9	28
32	Chloromethylhalicyclamine B, a Marine-Derived Protein Kinase CK1Î´/Îµ Inhibitor. Journal of Natural Products, 2016, 79, 2953-2960.	3.0	28
33	Plakofuranolactone as a Quorum Quenching Agent from the Indonesian Sponge Plakortis cf. lita. Marine Drugs, 2017, 15, 59.	4.6	28
34	Glycolipids from Sponges. Part 8: Plakopolyprenoside from the Marine Sponge Plakortis simplex. An Improved Procedure for Isolation of Glycolipids as Peracetyl Derivatives. Tetrahedron, 2000, 56, 1393-1395.	1.9	27
35	Polyketide genes in the marine sponge <scp>P</scp>lakortis simplex: a new group of monoâ€modular type <scp>I</scp> polyketide synthases from sponge symbionts. Environmental Microbiology Reports, 2013, 5, 809-818.	2.4	27
36	Evaluation of the Antiproliferative Activity of Diterpene Isonitriles from the Sponge Pseudoaxinella flava in Apoptosis-Sensitive and Apoptosis-Resistant Cancer Cell Lines. Journal of Natural Products, 2011, 74, 2299-2303.	3.0	26

#	Article	IF	Citations
37	Chlorinated Thiazoleâ€Containing Polyketideâ€Peptides from the Caribbean Sponge Smenospongia conulosa: Structure Elucidation on Microgram Scale. European Journal of Organic Chemistry, 2016, 2016, 2871-2875.	2.4	26
38	A joint molecular networking study of a Smenospongia sponge and a cyanobacterial bloom revealed new antiproliferative chlorinated polyketides. Organic Chemistry Frontiers, 2019, 6, 1762-1774.	4.5	26
39	Glycolipids from sponges, III. Glycosyl ceramides from the marine sponge Agelas conifera. Liebigs Annalen, 1995, 1995, 2133-2136.	0.8	25
40	Corrugoside, a new immunostimulatory Î±-galactoglycosphingolipid from the marine sponge Axinella corrugataâ˜†. Bioorganic and Medicinal Chemistry, 2008, 16, 2077-2085.	3.0	25
41	Ecdysteroids from the Caribbean sponge Iotrochota birotulata. Steroids, 2000, 65, 138-142.	1.8	24
42	The New Carotenoid Pigment Moraxanthin Is Associated with Toxic Microalgae. Marine Drugs, 2011, 9, 242-255.	4.6	24
43	Damicoside from Axinella damicornis:â€‰ The Influence of a Glycosylated Galactose 4-OH Group on the Immunostimulatory Activity of Î±-Galactoglycosphingolipids. Journal of Medicinal Chemistry, 2005, 48, 7411-7417.	6.4	23
44	Glycolipids from Sponges. Part 17.1Clathrosides and Isoclathrosides, Unique Glycolipids from the Caribbean SpongeAgelasclathrodes. Journal of Natural Products, 2006, 69, 73-78.	3.0	23
45	A Fast Detection Strategy for Cyanobacterial blooms and associated cyanotoxins (FDSCC) reveals the occurrence of lyngbyatoxin A in campania (South Italy). Chemosphere, 2019, 225, 342-351.	8.2	23
46	An unusual ether glycolipid from the Senegalese sponge Trikentrion loeve Carter. Tetrahedron, 1993, 49, 2711-2716.	1.9	22
47	Axiceramide A and B, Two Novel triâ€Î±â€Glycosylceramides from the Marine Sponge Axinella sp.. Liebigs Annalen Der Chemie, 1994, 1994, 1181-1185.	0.8	22
48	Glycolipids from sponges, I. Glycosyl ceramide composition of the marine sponge Agelas clathrodes. Liebigs Annalen, 1995, 1995, 1471-1475.	0.8	22
49	The First 12-Methylhopanoid: 12-Methylbacteriohopanetetrol from the Marine Sponge Plakortis simplex. Tetrahedron, 2000, 56, 3781-3784.	1.9	22
50	Three New Brominated and Iodinated Tyrosine Derivatives from Iotrochota birotulata, a Non-Verongida Sponge. Journal of Natural Products, 1994, 57, 1552-1556.	3.0	21
51	Ectyoceramide, the First Natural Hexofuranosylceramide from the Marine Sponge Ectyoplasia ferox. European Journal of Organic Chemistry, 2003, 2003, 1433-1437.	2.4	21
52	Glycolipids from Sponges. 11.1Isocrasserides, Novel Glycolipids with a Five-Membered Cyclitol Widely Distributed in Marine Sponges. Journal of Natural Products, 2002, 65, 883-886.	3.0	20
53	Clogging the Ubiquitin-Proteasome Machinery with Marine Natural Products: Last Decade Update. Marine Drugs, 2018, 16, 467.	4.6	20
54	Terpioside from the Marine SpongeTerpios sp., the First Glycosphingolipid Having anL-Fucofuranose Unit. European Journal of Organic Chemistry, 2008, 2008, 2130-2134.	2.4	19

#	Article	IF	Citations
55	Amphiceramide A and B, Novel Glycosphingolipids from the Marine SpongeAmphimedon compressa. European Journal of Organic Chemistry, 2009, 2009, 2112-2119.	2.4	19
56	Studies toward the Synthesis of Smenamide A, an Antiproliferative Metabolite from Smenospongia aurea: Total Synthesis of ent-Smenamide A and 16-epi-Smenamide A. ACS Omega, 2017, 2, 1477-1488.	3.5	19
57	Sterols from the Caribbean sponge Neofibularia nolitangere. Isolation of two novel polyhydroxysteroids. Steroids, 1995, 60, 768-772.	1.8	18
58	Synthesis of cyclic N¹-pentylinosine phosphate, a new structurally reduced cADPR analogue with calcium-mobilizing activity on PC12 cells. Beilstein Journal of Organic Chemistry, 2015, 11, 2689-2695.	2.2	18
59	Evaluating the Effects of an Organic Extract from the Mediterranean Sponge Geodia cydonium on Human Breast Cancer Cell Lines. International Journal of Molecular Sciences, 2017, 18, 2112.	4.1	17
60	Identification of Quorum Sensing Activators and Inhibitors in The Marine Sponge Sarcotragus spinosulus. Marine Drugs, 2020, 18, 127.	4.6	17
61	Isolation, Genomic and Metabolomic Characterization of Streptomyces tendae VITAKN with Quorum Sensing Inhibitory Activity from Southern India. Microorganisms, 2020, 8, 121.	3.6	17
62	Synthesis and evaluation of human T cell stimulating activity of an Î±-sulfatide analogue. Bioorganic and Medicinal Chemistry, 2007, 15, 5529-5536.	3.0	16
63	Isolation of Marine Paracoccus sp. Ss63 from the Sponge Sarcotragus sp. and Characterization of its Quorumâ€Sensing Chemicalâ€Signaling Molecules by LCâ€MS/MS Analysis. Israel Journal of Chemistry, 2016, 56, 330-340.	2.3	16
64	Fast Detection of Two Smenamide Family Members Using Molecular Networking. Marine Drugs, 2019, 17, 618.	4.6	16
65	Plaxyloside from the Marine SpongePlakortis simplex: an Improved Strategy for NMR Structural Studies of Carbohydrate Chains. European Journal of Organic Chemistry, 2001, 2001, 4457-4462.	2.4	15
66	A new aspect of the reactivity of sodium dithionite provides a facile route to 2-deoxy-Î±-glycosides. Tetrahedron Letters, 2002, 43, 9047-9050.	1.4	15
67	New Tricks with an Old Sponge: Feature-Based Molecular Networking Led to Fast Identification of New Stylissamide L from Stylissa caribica. Marine Drugs, 2020, 18, 443.	4.6	15
68	Oreacerebrosides: Bioactive Cerebrosides with a Triunsaturated Sphingoid Base from the Sea Star Oreaster reticulatus. European Journal of Organic Chemistry, 2007, 2007, 5277-5283.	2.4	14
69	Terpioside B, a difucosyl GSL from the marine sponge Terpios sp. is a potent inhibitor of NO release. Bioorganic and Medicinal Chemistry, 2010, 18, 5310-5315.	3.0	14
70	Chalinulasterol, a Chlorinated Steroid Disulfate from the Caribbean Sponge Chalinula molitba. Evaluation of Its Role as PXR Receptor Modulator. Marine Drugs, 2012, 10, 1383-1390.	4.6	14
71	Molecular Docking and Biophysical Studies for Antiproliferative Assessment of Synthetic Pyrazolo-Pyrimidinones Tethered with Hydrazide-Hydrazones. International Journal of Molecular Sciences, 2021, 22, 2742.	4.1	14
72	Vesparioside from the Marine SpongeSpheciospongia vesparia, the First Diglycosylceramide with a Pentose Sugar Residue. European Journal of Organic Chemistry, 2005, 2005, 368-373.	2.4	13

#	Article	IF	Citations
73	Glycolipids from Sponges. Part 16. Discoside, a Rare myo-Inositol-Containing Glycolipid from the Caribbean Sponge Discodermia dissoluta. Journal of Natural Products, 2005, 68, 1527-1530.	3.0	13
74	Identification and chemical characterization of N-acyl-homoserine lactone quorum sensing signals across sponge species and time. FEMS Microbiology Ecology, 2018, 94, .	2.7	13
75	Discovery of Unusual Cyanobacterial Tryptophan-Containing Anabaenopeptins by MS/MS-Based Molecular Networking. Molecules, 2020, 25, 3786.	3.8	12
76	Nor-sterols in Axinella proliferans, sponge from the Indian Ocean. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1996, 113, 845-848.	1.6	11
77	Identification of the Biosynthetic Gene Cluster of Thermoactinoamides and Discovery of New Congeners by Integrated Genome Mining and MS-Based Molecular Networking. Frontiers in Chemistry, 2020, 8, 397.	3.6	11
78	Cyanochelins, an Overlooked Class of Widely Distributed Cyanobacterial Siderophores, Discovered by Silent Gene Cluster Awakening. Applied and Environmental Microbiology, 2021, 87, e0312820.	3.1	11
79	Tracing cyanobacterial blooms to assess the impact of wastewaters discharges on coastal areas and lakes. International Journal of Sustainable Development and Planning, 2016, 11, 804-811.	0.7	11
80	The Stereochemistry of Crasserides. Journal of Natural Products, 1994, 57, 1726-1730.	3.0	10
81	Cytotoxicity of Endoperoxides from the Caribbean Sponge Plakortis halichondrioides towards Sensitive and Multidrug-Resistant Leukemia Cells: Acids vs. Esters Activity Evaluation. Marine Drugs, 2017, 15, 63.	4.6	10
82	Synthesis and Biological Evaluation of a New Structural Simplified Analogue of cADPR, a Calcium-Mobilizing Secondary Messenger Firstly Isolated from Sea Urchin Eggs. Marine Drugs, 2018, 16, 89.	4.6	10
83	Smenamide A Analogues. Synthesis and Biological Activity on Multiple Myeloma Cells. Marine Drugs, 2018, 16, 206.	4.6	10
84	Monitoring Cyanobacterial Blooms during the COVID-19 Pandemic in Campania, Italy: The Case of Lake Avernus. Toxins, 2021, 13, 471.	3.4	10
85	Neurosporaside, a Tetraglycosylated Sphingolipid from Neurospora crassa. Journal of Natural Products, 2011, 74, 554-558.	3.0	9
86	Dehydroleucodine and dehydroparishin-B inhibit proliferation and motility of B16 melanoma cells. Phytochemistry Letters, 2012, 5, 581-585.	1.2	9
87	Synthesis and Pharmacological Evaluation of Modified Adenosines Joined to Mono-Functional Platinum Moieties. Molecules, 2014, 19, 9339-9353.	3.8	9
88	Isolation of Smenopyrone, a Bis-Î³-Pyrone Polypropionate from the Caribbean Sponge Smenospongia aurea. Marine Drugs, 2018, 16, 285.	4.6	9
89	A New Cytotoxic Diterpene with the Dolabellane Skeleton from the Marine SpongeSigmosceptrella quadrilobata. European Journal of Organic Chemistry, 1999, 1999, 227-230.	2.4	8
90	The Wittig reaction with 2-deoxysugars: the role of triphenyl and trialkyltin halides. Tetrahedron Letters, 2001, 42, 8185-8187.	1.4	8

#	Article	IF	Citations
91	Blurring the Boundary between Bioâ€•and Geohopanoids: Plakohopanoid, a C₃₂ Biohopanoid Ester from Plakortis cf. lita. European Journal of Organic Chemistry, 2012, 2012, 5171-5176.	2.4	8
92	A Collection of Bioactive Nitrogen-Containing Molecules from the Marine Sponge Acanthostrongylophora ingens. Marine Drugs, 2019, 17, 472.	4.6	8
93	Simplexide Induces CD1d-Dependent Cytokine and Chemokine Production from Human Monocytes. PLoS ONE, 2014, 9, e111326.	2.5	8
94	DittrichiaÂgraveolens (L.) Greuter, a Rapidly Spreading Invasive Plant: Chemistry and Bioactivity. Molecules, 2022, 27, 895.	3.8	6
95	Partial characterization of glycosphingolipids of Agelas sponges in their peracetylated form by liquid secondary ionization mass spectrometry and high-performance liquid chromatography combined with direct electrospray ionization mass spectrometric detect. Rapid Communications in Mass Spectrometry, 2004, 18, 2989-2996.	1.5	5
96	Development of a fluorescent probe for the study of the sponge-derived simplexide immunological properties. Carbohydrate Research, 2012, 348, 27-32.	2.3	5
97	The Chemical Language of Gram-Negative Bacteria. , 2019, , 3-28.		5
98	A Glimpse at Siderophores Production by Anabaena flos-aquae UTEX 1444. Marine Drugs, 2022, 20, 256.	4.6	5
99	Bioindicators as a tool in environmental impact assessment: Cyanobacteria as a sentinel of pollution. International Journal of Sustainable Development and Planning, 2019, 14, 1-8.	0.7	4
100	Exploring Chemical Diversity of Phorbas Sponges as a Source of Novel Lead Compounds in Drug Discovery. Marine Drugs, 2021, 19, 667.	4.6	3
101	Zeamide, a Glycosylinositol Phosphorylceramide with the Novel Core Arap(1Î²â†'6)Ins Motif from the Marine Sponge Svenzea zeai. Molecules, 2017, 22, 1455.	3.8	2
102	Early Detection of Cyanobacterial Blooms and Associated Cyanotoxins using Fast Detection Strategy. Journal of Visualized Experiments, 2021, , .	0.3	2
103	Fatty Acid Substitutions Modulate the Cytotoxicity of Puwainaphycins/Minutissamides Isolated from the Baltic Sea Cyanobacterium Nodularia harveyana UHCC-0300. ACS Omega, 2022, 7, 11818-11828.	3.5	2
104	Do You Know That Microbes Use Social Networks?. Frontiers for Young Minds, 2018, 6, .	0.8	1
105	Editorial: Peptide/Polyketide Molecules From Marine Macro and/or Microorganisms. Frontiers in Chemistry, 2020, 8, 490.	3.6	1