

Silvio Sosa

List of Publications by Year in descending order

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68
papers

2,444
citations

201385

27
h-index

205818

48
g-index

68
all docs

68
docs citations

68
times ranked

3686
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo anti-inflammatory and in vitro antioxidant activities of Mediterranean dietary plants. Journal of Ethnopharmacology, 2008, 116, 144-151.	2.0	237
2	A protein phosphatase 2A inhibition assay for a fast and sensitive assessment of okadaic acid contamination in mussels. Toxicon, 1996, 34, 743-752.	0.8	142
3	Differential cytotoxic effects of graphene and graphene oxide on skin keratinocytes. Scientific Reports, 2017, 7, 40572.	1.6	141
4	Characterization of Topical Antiinflammatory Compounds in Rosmarinus officinalis L.. Journal of Agricultural and Food Chemistry, 2007, 55, 1718-1723.	2.4	136
5	The protective ability of Mediterranean dietary plants against the oxidative damage: The role of radical oxygen species in inflammation and the polyphenol, flavonoid and sterol contents. Food Chemistry, 2009, 112, 587-594.	4.2	121
6	Highly Sensitive Electrochemiluminescent Nanobiosensor for the Detection of Palytoxin. ACS Nano, 2012, 6, 7989-7997.	7.3	96
7	Studies on the Anti-Inflammatory Activity of Phytopharmaceuticals Prepared from Arnica Flowers 1. Planta Medica, 2002, 68, 385-391.	0.7	91
8	Graphene and graphene oxide induce ROS production in human HaCaT skin keratinocytes: the role of xanthine oxidase and NADH dehydrogenase. Nanoscale, 2018, 10, 11820-11830.	2.8	90
9	Topical anti-inflammatory activity of extracts and compounds from Hypericum perforatum L.. Journal of Pharmacy and Pharmacology, 2010, 59, 703-709.	1.2	86
10	Occupational exposure to graphene based nanomaterials: risk assessment. Nanoscale, 2018, 10, 15894-15903.	2.8	82
11	New Insights on Cytological and Metabolic Features of Ostreopsis cf. ovata Fukuyo (Dinophyceae): A Multidisciplinary Approach. PLoS ONE, 2013, 8, e57291.	1.1	67
12	Lignan Derivatives from Krameria lappacea Roots Inhibit Acute Inflammation in Vivo and Pro-inflammatory Mediators in Vitro. Journal of Natural Products, 2011, 74, 1779-1786.	1.5	56
13	Immuno-Modulatory and Anti-Inflammatory Effects of Dihydrogracilin A, a Terpene Derived from the Marine Sponge Dendrilla membranosa. International Journal of Molecular Sciences, 2017, 18, 1643.	1.8	48
14	Anti-inflammatory, antioxidant and antifungal furanosesquiterpenoids isolated from Commiphora erythraea (Ehrenb.) Engl. resin. FASEB J, 2011, 25, 654-661.	1.1	43
15	Skin irritation potential of graphene-based materials using a non-animal test. Nanoscale, 2020, 12, 610-622.	2.8	42
16	Evaluation of the Topical Anti-Inflammatory Activity of Ginger Dry Extracts from Solutions and Plasters. Planta Medica, 2007, 73, 1525-1530.	0.7	41
17	Comparative topical anti-inflammatory activity of cannabinoids and cannabivarin. FASEB J, 2010, 24, 816-819.	1.1	40
18	Palytoxin-Containing Aquarium Soft Corals as an Emerging Sanitary Problem. Marine Drugs, 2016, 14, 33.	2.2	40

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19	Improved Anti-Inflammatory Activity of Three New Terpenoids Derived, by Systematic Chemical Modifications, from the Abundant Triterpenes of the Flowery Plant <i>Calendula officinalis</i> . <i>Chemistry and Biodiversity</i> , 2005, 2, 657-671.	1.0	37
20	Topical Anti-inflammatory Activity of Flavonoids and a New Xanthone from <i>Santolina insularis</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2005, 60, 63-66.	0.6	37
21	Harmful Dinoflagellate <i>Ostreopsis</i> cf. <i>ovata</i> Fukuyo: Detection of Ovatoxins in Field Samples and Cell Immunolocalization Using Antipalytoxin Antibodies. <i>Environmental Science & Technology</i> , 2011, 45, 7051-7059.	4.6	35
22	Anti-Inflammatory Activity of <i>Leontopodium alpinum</i> and its Constituents. <i>Planta Medica</i> , 2004, 70, 502-508.	0.7	32
23	Chemical Composition and Biological Properties of <i>Rhododendron anthopogon</i> Essential Oil. <i>Molecules</i> , 2010, 15, 2326-2338.	1.7	32
24	New Sesquiterpene Lactones from Arnica Tincture Prepared from Fresh Flowerheads of <i>Arnica montana</i> . <i>Planta Medica</i> , 2005, 71, 1044-1052.	0.7	30
25	Ovatoxin-a, A Palytoxin Analogue Isolated from <i>Ostreopsis</i> cf. <i>ovata</i> Fukuyo: Cytotoxic Activity and ELISA Detection. <i>Environmental Science & Technology</i> , 2016, 50, 1544-1551.	4.6	30
26	In Vitro Effects of Yessotoxin on a Primary Culture of Rat Cardiomyocytes. <i>Toxicological Sciences</i> , 2008, 106, 392-399.	1.4	29
27	Sanitary problems related to the presence of <i>Ostreopsis</i> spp. in the Mediterranean Sea: a multidisciplinary scientific approach. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2012, 48, 407-414.	0.2	29
28	Topical Anti-inflammatory Activity of Eupatilin, A Lipophilic Flavonoid from Mountain Wormwood (<i>Artemisia umbelliformis</i> Lam.). <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 7726-7730.	2.4	27
29	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> , 2014, 77, 351-357.	1.5	26
30	Anti-Inflammatory Activities of Hypocretenolides from <i>Leontodon hispidus</i> . <i>Planta Medica</i> , 1999, 65, 704-708.	0.7	25
31	Anti-Inflammatory Activity of Two Diterpenes of <i>Hyptis suaveolens</i> from El Salvador. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006, 61, 165-170.	0.6	25
32	The marine toxin palytoxin induces necrotic death in HaCaT cells through a rapid mitochondrial damage. <i>Toxicology Letters</i> , 2014, 229, 440-450.	0.4	24
33	Oral administration of yessotoxin stabilizes E-cadherin in mouse colon. <i>Toxicology</i> , 2006, 227, 145-155.	2.0	23
34	Toxicity of palytoxin after repeated oral exposure in mice and in vitro effects on cardiomyocytes. <i>Toxicol</i> , 2013, 75, 3-15.	0.8	23
35	Characterization of Palytoxin Binding to HaCaT Cells Using a Monoclonal Anti-Palytoxin Antibody. <i>Marine Drugs</i> , 2013, 11, 584-598.	2.2	22
36	N6-isopentenyladenosine affects cytotoxic activity and cytokines production by IL-2 activated NK cells and exerts topical anti-inflammatory activity in mice. <i>Pharmacological Research</i> , 2014, 89, 1-10.	3.1	22

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37	Acute Oral Toxicity of Pinnatoxin G in Mice. <i>Toxins</i> , 2020, 12, 87.	1.5	21
38	Oxidative stress induced by palytoxin in human keratinocytes is mediated by a H ⁺ -dependent mitochondrial pathway. <i>Toxicology and Applied Pharmacology</i> , 2013, 266, 1-8.	1.3	20
39	Ecotoxicological impact of graphene oxide: toxic effects on the model organism <i>Artemia franciscana</i> . <i>Environmental Science: Nano</i> , 2020, 7, 3605-3615.	2.2	20
40	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> , 2016, 121, 41-50.	0.8	17
41	CARBON-BASED nanomaterials and SKIN: An overview. <i>Carbon</i> , 2022, 196, 683-698.	5.4	17
42	Diarrhoeic shellfish toxins in Adriatic Sea mussels evaluated by an ELISA method. <i>Toxicon</i> , 1992, 30, 673-676.	0.8	16
43	Massive Occurrence of the Harmful Benthic Dinoflagellate <i>Ostreopsis cf. ovata</i> in the Eastern Adriatic Sea. <i>Toxins</i> , 2019, 11, 300.	1.5	16
44	Keratinocytes are capable of selectively sensing low amounts of graphene-based materials: Implications for cutaneous applications. <i>Carbon</i> , 2020, 159, 598-610.	5.4	16
45	Topical anti-inflammatory activity of boropinic acid and its natural and semi-synthetic derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 769-772.	1.0	15
46	Topical antiinflammatory activity of an innovative aqueous formulation of actichelated [®] propolis vs two commercial propolis formulations. <i>Phytotherapy Research</i> , 2007, 21, 823-826.	2.8	14
47	In vivo and in vitro effects of 42-hydroxy-palytoxin on mouse skeletal muscle: Structural and functional impairment. <i>Toxicology Letters</i> , 2014, 225, 285-293.	0.4	14
48	Antiinflammatory activity of coumarins from <i>Ligusticum lucidum</i> Mill. subsp. <i>cuneifolium</i> (Guss.) Tammara (Apiaceae). <i>Phytotherapy Research</i> , 2010, 24, 1697-1699.	2.8	13
49	The Stretch-Activated Channel Blocker Gd ³⁺ Reduces Palytoxin Toxicity in Primary Cultures of Skeletal Muscle Cells. <i>Chemical Research in Toxicology</i> , 2012, 25, 1912-1920.	1.7	13
50	Phytoplankton detection and DSP toxicity: methodological considerations. <i>Journal of Applied Phycology</i> , 1995, 7, 163-166.	1.5	12
51	Toxic equivalency factors (TEFs) after acute oral exposure of azaspiracid 1, 2 and 3 in mice. <i>Toxicology Letters</i> , 2018, 282, 136-146.	0.4	12
52	Steroids with anti-inflammatory activity from <i>Vernonia nigritiana</i> Oliv. & Hiern.. <i>Phytochemistry</i> , 2013, 96, 288-298.	1.4	11
53	A revisited hemolytic assay for palytoxin detection: Limitations for its quantitation in mussels. <i>Toxicon</i> , 2016, 119, 225-233.	0.8	11
54	Toxicology and diversity of marine toxins. , 2012, , 896-934.		10

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55	Synthesis and anti-inflammatory activity of 3-(4-geranyloxy-3-methoxyphenyl)-2-trans propenoic acid and its ester derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5709-5714.	1.0	9
56	Rimonabant reduces keratinocyte viability by induction of apoptosis and exerts topical anti-inflammatory activity in mice. <i>British Journal of Pharmacology</i> , 2011, 162, 84-93.	2.7	9
57	A Novel Sensitive Cell-Based Immunoenzymatic Assay for Palytoxin Quantitation in Mussels. <i>Toxins</i> , 2018, 10, 329.	1.5	8
58	Azaspiracids Increase Mitochondrial Dehydrogenases Activity in Hepatocytes: Involvement of Potassium and Chloride Ions. <i>Marine Drugs</i> , 2019, 17, 276.	2.2	8
59	Partial Reversibility of the Cytotoxic Effect Induced by Graphene-Based Materials in Skin Keratinocytes. <i>Nanomaterials</i> , 2020, 10, 1602.	1.9	8
60	Topical Anti-Inflammatory Potential of Six <i>Salvia</i> Species Grown in Jordan. <i>Jordan Journal of Pharmaceutical Sciences</i> , 2014, 7, 153-161.	0.2	8
61	Pro-inflammatory effects of palytoxin: an in vitro study on human keratinocytes and inflammatory cells. <i>Toxicology Research</i> , 2016, 5, 1172-1181.	0.9	7
62	Anti-Inflammatory Sesquiterpene Lactones from <i>Lourteigia ballotaefolia</i> . <i>Planta Medica</i> , 2002, 68, 843-845.	0.7	4
63	In Vitro Cell Sensitivity to Palytoxin Correlates with High Gene Expression of the Na ⁺ /K ⁺ -ATPase α 2 Subunit Isoform. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5833.	1.8	3
64	Ecotoxicological Impact of the Marine Toxin Palytoxin on the Micro-Crustacean <i>Artemia franciscana</i> . <i>Marine Drugs</i> , 2022, 20, 81.	2.2	2
65	In Vivo Anti-inflammatory Activity of Some Naturally Occurring O- and N-Prenyl Secondary Metabolites. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.2	1
66	Palytoxins: Toxicological Profile. , 2015, , 1-14.		1
67	Functional and Structural Biological Methods for Palytoxin Detection. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 916.	1.2	1
68	Palytoxins: Toxicological Profile. , 2016, , 129-145.		0