Natalya Mishchenko

List of Publications by Year
in descending order

43	916	430874	477307
papers	citations	18 h-index	29 g-index

45	45	45	814
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Marine shells: Potential opportunities for extraction of functional and health-promoting materials. Critical Reviews in Environmental Science and Technology, 2016, 46, 1047-1116.	12.8	88
2	Echinochrome A Protects Mitochondrial Function in Cardiomyocytes against Cardiotoxic Drugs. Marine Drugs, 2014, 12, 2922-2936.	4.6	65
3	Antiviral and Antioxidant Properties of Echinochrome A. Marine Drugs, 2018, 16, 509.	4.6	59
4	Marine Waste Utilization as a Source of Functional and Health Compounds. Advances in Food and Nutrition Research, 2019, 87, 187-254.	3.0	59
5	Echinochrome A Increases Mitochondrial Mass and Function by Modulating Mitochondrial Biogenesis Regulatory Genes. Marine Drugs, 2014, 12, 4602-4615.	4.6	51
6	Spinochrome D Attenuates Doxorubicin-Induced Cardiomyocyte Death via Improving Glutathione Metabolism and Attenuating Oxidative Stress. Marine Drugs, 2019, 17, 2.	4.6	44
7	Effect of pulsed electric fields (PEF) on physico-chemical properties, Î²-carotene and antioxidant activity of air-dried apricots. Food Chemistry, 2019, 291, 253-262.	8.2	36
8	Histochrome Attenuates Myocardial Ischemia-Reperfusion Injury by Inhibiting Ferroptosis-Induced Cardiomyocyte Death. Antioxidants, 2021, 10, 1624.	5.1	33
9	Acetylcholinesterase Inhibitory Activity of Pigment Echinochrome A from Sea Urchin Scaphechinus mirabilis. Marine Drugs, 2014, 12, 3560-3573.	4.6	31
10	Carrageenans-Sulfated Polysaccharides from Red Seaweeds as Matrices for the Inclusion of Echinochrome. Marine Drugs, 2017, 15, 337.	4.6	30
11	Echinochrome A Improves Exercise Capacity during Short-Term Endurance Training in Rats. Marine Drugs, 2015, 13, 5722-5731.	4.6	28
12	Multifaceted Clinical Effects of Echinochrome. Marine Drugs, 2021, 19, 412.	4.6	27
13	Naphthoquinones of the spinochrome class: occurrence, isolation, biosynthesis and biomedical applications. RSC Advances, 2018, 8, 32637-32650.	3.6	26
14	Echinochrome A Reduces Colitis in Mice and Induces In Vitro Generation of Regulatory Immune Cells. Marine Drugs, 2019, 17, 622.	4.6	24
15	Echinochrome A regulates phosphorylation of phospholamban Ser16 and Thr17 suppressing cardiac SERCA2A Ca2+ reuptake. Pflugers Archiv European Journal of Physiology, 2015, 467, 2151-2163.	2.8	21
16	Therapeutic Cell Protective Role of Histochrome under Oxidative Stress in Human Cardiac Progenitor Cells. Marine Drugs, 2019, 17, 368.	4.6	21
17	Echinochrome A Treatment Alleviates Fibrosis and Inflammation in Bleomycin-Induced Scleroderma. Marine Drugs, 2021, 19, 237.	4.6	20
18	Diversity of Polyhydroxynaphthoquinone Pigments in North Pacific Sea Urchins. Chemistry and Biodiversity, 2017, 14, e1700182.	2.1	18

#	Article	IF	Citations
19	A Novel Atypical PKC-Iota Inhibitor, Echinochrome A, Enhances Cardiomyocyte Differentiation from Mouse Embryonic Stem Cells. Marine Drugs, 2018, 16, 192.	4.6	18
20	Mirabiquinone, a new unsymmetrical binaphthoquinone from the sea urchin Scaphechinus mirabilis. Tetrahedron Letters, 2014, 55, 5967-5969.	1.4	17
21	Echinochrome A Attenuates Cerebral Ischemic Injury through Regulation of Cell Survival after Middle Cerebral Artery Occlusion in Rat. Marine Drugs, 2019, 17, 501.	4.6	17
22	Antiviral Potential of Sea Urchin Aminated Spinochromes against Herpes Simplex Virus Type 1. Marine Drugs, 2020, 18, 550.	4.6	17
23	New Aminonaphthoquinone from the Sea Urchins Strongylocentrotus pallidus and Mesocentrotus nudus. Natural Product Communications, 2016, 11, 1934578X1601100.	0.5	15
24	Echinochrome A Promotes Ex Vivo Expansion of Peripheral Blood-Derived CD34+ Cells, Potentially through Downregulation of ROS Production and Activation of the Src-Lyn-p110Î´ Pathway. Marine Drugs, 2019, 17, 526.	4.6	15
25	Echinochrome A Treatment Alleviates Atopic Dermatitis-like Skin Lesions in NC/Nga Mice via IL-4 and IL-13 Suppression. Marine Drugs, 2021, 19, 622.	4.6	15
26	New Aminonaphthoquinone from the Sea Urchins Strongylocentrotus pallidus and Mesocentrotus nudus. Natural Product Communications, 2016, 11, 821-4.	0.5	15
27	In vitro antioxidant and antimicrobial activities, and in vivo anti-inflammatory activity of crude and fractionated PHNQs from sea urchin (Evechinus chloroticus). Food Chemistry, 2020, 316, 126339.	8.2	13
28	Effects of Carrageenans on Biological Properties of Echinochrome. Marine Drugs, 2018, 16, 419.	4.6	9
29	Extraction, structural characterization and stability of polyhydroxylated naphthoquinones from shell and spine of New Zealand sea urchin (Evechinus chloroticus). Food Chemistry, 2019, 272, 379-387.	8.2	9
30	Isolation and Structure Determination of Echinochrome A Oxidative Degradation Products. Molecules, 2020, 25, 4778.	3.8	9
31	Echinochrome A Protects against Ultraviolet B-induced Photoaging by Lowering Collagen Degradation and Inflammatory Cell Infiltration in Hairless Mice. Marine Drugs, 2021, 19, 550.	4.6	9
32	Spinochrome Identification and Quantification in Pacific Sea Urchin Shells, Coelomic Fluid and Eggs Using HPLC-DAD-MS. Marine Drugs, 2021, 19, 21.	4.6	9
33	Phthalides and Other Metabolites from Roots of Ligusticum wallichii. Chemistry of Natural Compounds, 2018, 54, 34-37.	0.8	7
34	Liposomal Form of the Echinochrome-Carrageenan Complex. Marine Drugs, 2018, 16, 324.	4.6	7
35	The protective effects of echinochrome A structural analogs against oxidative stress and doxorubicin in AC16 cardiomyocytes. Molecular and Cellular Toxicology, 2019, 15, 407-414.	1.7	7
36	Macroporous resin extraction of PHNQs from Evechinus chloroticus sea urchin and their in vitro antioxidant, anti-bacterial and in silico anti-inflammatory activities. LWT - Food Science and Technology, 2020, 131, 109817.	5.2	6

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37	Polyphenolic Compounds from Lespedeza bicolor Protect Neuronal Cells from Oxidative Stress. Antioxidants, 2022, 11, 709.	5.1	6
38	The Protective Effect of Echinochrome A on Extracellular Matrix of Vocal Folds in Ovariectomized Rats. Marine Drugs, 2020, 18, 77.	4.6	5
39	PHNQ from Evechinus chloroticus Sea Urchin Supplemented with Calcium Promotes Mineralization in Saos-2 Human Bone Cell Line. Marine Drugs, 2020, 18, 373.	4.6	3
40	Metabolites of the Vietnamese Plant Amaranthus viridis. Chemistry of Natural Compounds, 2017, 53, 1150-1151.	0.8	2
41	Polyhydroxynaphthoquinone Pigment From Vietnam Sea Urchins as a Potential Bioactive Ingredient in Cosmeceuticals. Natural Product Communications, 2020, 15, 1934578X2097252.	0.5	2
42	Activity of compounds containing echinochrome A against herpes simplex virus type 2 in vitro and in vivo. Zhurnal Mikrobiologii Epidemiologii I Immunobiologii, 2019, , 56-64.	1.0	2
43	Anthraquinones of Rubia jesoensis Roots. Chemistry of Natural Compounds, 2014, 50, 349-351.	0.8	1