Stefano Rufini

List of Publications by Year
in descending order

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42	1,310	331670	361022
papers	citations	21 h-index	35 g-index

44	44	44	1603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative study of the cytolytic activity of myotoxic phospholipases A2 on mouse endothelial (tEnd) and skeletal muscle (C2C12) cells in vitro. Toxicon, 1999, 37, 145-158.	1.6	141
2	Black widow spider toxin-induced calcium fluxes and transmitter release in a neurosecretory cell line. Nature, 1980, 283, 774-776.	27.8	114
3	Cholesterol depletion inhibits synaptic transmission and synaptic plasticity in rat hippocampus. Experimental Neurology, 2008, 212, 407-414.	4.1	104
4	Ejection of damaged mitochondria and their removal by macrophages ensure efficient thermogenesis in brown adipose tissue. Cell Metabolism, 2022, 34, 533-548.e12.	16.2	91
5	Zn2+Ions Selectively Induce Antimicrobial Salivary Peptide Histatin-5 To Fuse Negatively Charged Vesicles. Identification and Characterization of a Zinc-Binding Motif Present in the Functional Domainâ€. Biochemistry, 1999, 38, 9626-9633.	2.5	75
6	Cholesterol perturbing agents inhibit NMDA-dependent calcium influx in rat hippocampal primary culture. FEBS Letters, 2004, 566, 25-29.	2.8	62
7	Adipocyte metabolism is improved by TNF receptor-targeting small RNAs identified from dried nuts. Communications Biology, 2019, 2, 317.	4.4	59
8	Evidence of Domain Formation in Cardiolipinâ^'Glycerophospholipid Mixed Monolayers. A Thermodynamic and AFM Study. Journal of Physical Chemistry B, 2005, 109, 15950-15957.	2.6	58
9	Frataxin deficiency induces lipid accumulation and affects thermogenesis in brown adipose tissue. Cell Death and Disease, 2020, 11, 51.	6.3	47
10	Cytotoxic necrotizing factor 1 hinders skeletal muscle differentiation in vitro by perturbing the activation/deactivation balance of Rho GTPases. Cell Death and Differentiation, 2005, 12, 78-86.	11.2	42
11	Phospholipase-like myotoxins induce rapid membrane leakage of non-hydrolyzable ether-lipid liposomes. Biochimica Et Biophysica Acta - Biomembranes, 1994, 1190, 177-180.	2.6	35
12	Purification and characterization of a fibrinogenolytic and hemorrhagic metalloproteinase isolated from Vipera lebetina venom. Biochimie, 2010, 92, 797-805.	2.6	35
13	Autocatalytic Acylation of Phospholipase-like Myotoxins. Biochemistry, 1995, 34, 4670-4675.	2.5	30
14	Glutamatergic neurotransmission in a mouse model of Niemannâ€“Pick Type C Disease. Brain Research, 2011, 1396, 11-19.	2.2	26
15	.beta.-Bungarotoxin-mediated liposome fusion: spectroscopic characterization by fluorescence and ESR. Biochemistry, 1990, 29, 9644-9651.	2.5	25
16	Effect of ammodytin L from Vipera ammodytes on L-6 cells from rat skeletal muscle. Biochimica Et Biophysica Acta - Molecular Cell Research, 1995, 1268, 137-142.	4.1	23
17	Proliferative effect of ammodytin L from the venom of Vipera ammodytes on 208F rat fibroblasts in culture. Biochemical Journal, 1996, 320, 467-472.	3.7	23
18	Membrane-perturbing activity ofViperidae myotoxins: an electrostatic surface potential approach to a puzzling problem. , 2000, 13, 14-19.		23

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19	High-Density ZnO Nanowires as a Reversible Myogenicâ€“Differentiation Switch. ACS Applied Materials & Interfaces, 2018, 10, 14097-14107.	8.0	23
20	Concanavalin a blocks black widow spider toxin stimulation of transmitter release from synaptosomes. FEBS Letters, 1978, 85, 241-244.	2.8	22
21	Miglustat Reverts the Impairment of Synaptic Plasticity in a Mouse Model of NPC Disease. Neural Plasticity, 2016, 2016, 1-9.	2.2	22
22	Monoclonal antibody fragment from combinatorial phage display library neutralizes alpha-latrotoxin activity and abolishes black widow spider venom lethality, in mice. Toxicon, 2008, 51, 547-554.	1.6	21
23	The sterile alpha-motif (SAM) domain of p63 binds in vitro monoasialoganglioside (GM1) micelles. Biochemical Pharmacology, 2011, 82, 1262-1268.	4.4	21
24	Adenosine- and 2-chloro-adenosine-induced cytopathic effects on myoblastic cells and myotubes: involvement of different intracellular mechanisms. Neuromuscular Disorders, 2000, 10, 436-446.	0.6	20
25	NMR Structure of the p63 SAM Domain and Dynamical Properties of G534V and T537P Pathological Mutants, Identified in the AEC Syndrome. Cell Biochemistry and Biophysics, 2006, 44, 475-489.	1.8	19
26	Lipid Composition and Temperature Adaptation of the Nervous System of the Leech Hirudo medicinalis L.. Journal of Neurochemistry, 1987, 49, 45-49.	3.9	18
27	Isolation and characterization of a myotoxin from the venom of Macrovipera lebetina transmediterranea. Toxicon, 2010, 56, 381-390.	1.6	15
28	Sticholysin II: A pore-forming toxin as a probe to recognize sphingomyelin in artificial and cellular membranes. Toxicon, 2012, 60, 724-733.	1.6	14
29	Actin Cytoskeleton as a Target for 2-Chloro Adenosine: Evidence for Induction of Apoptosis in C2C12 Myoblastic Cells. Biochemical and Biophysical Research Communications, 1997, 238, 361-366.	2.1	12
30	Cholesterol depletion inhibits electrophysiological changes induced by anoxia in CA1 region of rat hippocampal slices. Brain Research, 2009, 1298, 178-185.	2.2	12
31	Ionizing Radiation-Induced Extracellular Vesicle Release Promotes AKT-Associated Survival Response in SH-SY5Y Neuroblastoma Cells. Cells, 2021, 10, 107.	4.1	12
32	Age-dependent changes of rat liver plasma membrane composition. Experientia, 1985, 41, 1141-1143.	1.2	10
33	Cratoxylum formosum ssp. pruniflorum activates the TRAIL death receptor complex and inhibits topoisomerase I. South African Journal of Botany, 2018, 114, 150-162.	2.5	10
34	Effect of ammodytin L from the venom of Vipera ammodytes on xenopus laevis differentiated muscle fibres and regenerating limbs. Toxicon, 1996, 34, 81-90.	1.6	8
35	Redox-active tyrosine residue in the microcin J25 molecule. Biochemical and Biophysical Research Communications, 2011, 406, 366-370.	2.1	8
36	Effect of the irradiation on Neuroblastoma-derived microvesicles: A physical and biological investigation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 195-202.	4.7	7

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37	N-acetylcysteine increases apoptosis induced by H2O2 and mo-antiFas triggering in a 3DO hybridoma cell line. Cell Biochemistry and Function, 2000, 18, 201-208.	2.9	6
38	Why Do the Cosmic Rays Induce Aging?. Frontiers in Physiology, 2020, 11, 955.	2.8	5
39	2-Chloro-adenosine Induces a Glutamate-Dependent Calcium Response in C2C12 Myotubes. Biochemical and Biophysical Research Communications, 2000, 277, 546-551.	2.1	3
40	Glutamate-induced calcium increase in myotubes depends on up-regulation of a sodium-dependent transporter. FEBS Letters, 2002, 527, 269-273.	2.8	2
41	Role of human topoisomerase IB on ionizing radiation induced damage. Biochemical and Biophysical Research Communications, 2013, 432, 545-548.	2.1	2
42	Cholesterol perturbing agents inhibit NMDA-dependent calcium influx in rat hippocampal primary culture. FEBS Letters, 2004, 566, 25-29.	2.8	1