Rodolfo Ippoliti

List of Publications by Year in descending order

89 papers	2,188 citations	236612 25 h-index	276539 41 g-index
92 all docs	92 docs citations	92 times ranked	3312 citing authors

#	Article	IF	Citations
1	Biochemical and structural characterizations of thioredoxin reductase selenoproteins of the parasitic filarial nematodes Brugia malayi and Onchocerca volvulus. Redox Biology, 2022, 51, 102278.	3.9	6
2	PPARÎ±-Selective Antagonist GW6471 Inhibits Cell Growth in Breast Cancer Stem Cells Inducing Energy Imbalance and Metabolic Stress. Biomedicines, 2021, 9, 127.	1.4	19
3	Aptamer-Driven Toxin Gene Delivery in U87 Model Glioblastoma Cells. Frontiers in Pharmacology, 2021, 12, 588306.	1.6	9
4	Probing the Surface of a Parasite Drug Target Thioredoxin Glutathione Reductase Using Small Molecule Fragments. ACS Infectious Diseases, 2021, 7, 1932-1944.	1.8	9
5	Taking Advantage of the Morpheein Behavior of Peroxiredoxin in Bionanotechnology. Bioconjugate Chemistry, 2021, 32, 43-62.	1.8	8
6	Olive leaf extract impairs mitochondria by pro-oxidant activity in MDA-MB-231 and OVCAR-3 cancer cells. Biomedicine and Pharmacotherapy, 2021, 134, 111139.	2.5	30
7	Local anesthetics counteract cell proliferation and migration of human tripleâ€negative breast cancer and melanoma cells. Journal of Cellular Physiology, 2020, 235, 3474-3484.	2.0	24
8	Ectopic suicide inhibition of thioredoxin glutathione reductase. Free Radical Biology and Medicine, 2020, 147, 200-211.	1.3	10
9	Bioâ€Assisted Tailored Synthesis of Plasmonic Silver Nanorings and Siteâ€Selective Deposition on Graphene Arrays. Advanced Optical Materials, 2020, 8, 1901583.	3.6	18
10	Targeting Vesicular LGALS3BP by an Antibody-Drug Conjugate as Novel Therapeutic Strategy for Neuroblastoma. Cancers, 2020, 12, 2989.	1.7	16
11	Antibody-Drug Conjugates: The New Frontier of Chemotherapy. International Journal of Molecular Sciences, 2020, 21, 5510.	1.8	83
12	A ring-shaped protein clusters gold nanoparticles acting as molecular scaffold for plasmonic surfaces. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129617.	1.1	6
13	EV20â€‘sssâ€‘vc/MMAF, an HERâ€‘3 targeting antibodyâ€‘drug conjugate displays antitumor activity in liver cancer. Oncology Reports, 2020, 45, 776-785.	1.2	3
14	PPARÎ³ and Cognitive Performance. International Journal of Molecular Sciences, 2019, 20, 5068.	1.8	31
15	Lifestyle and Food Habits Impact on Chronic Diseases: Roles of PPARs. International Journal of Molecular Sciences, 2019, 20, 5422.	1.8	11
16	Theranostic Nanomedicine for Malignant Gliomas. Frontiers in Bioengineering and Biotechnology, 2019, 7, 325.	2.0	33
17	Neuronal Cells Rearrangement During Aging and Neurodegenerative Disease: Metabolism, Oxidative Stress and Organelles Dynamic. Frontiers in Molecular Neuroscience, 2019, 12, 132.	1.4	148
18	Secreted Gal-3BP is a novel promising target for non-internalizing Antibodyâ€“Drug Conjugates. Journal of Controlled Release, 2019, 294, 176-184.	4.8	30

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19	Biocompatibility of composites based on chitosan, apatite, and graphene oxide for tissue applications. Journal of Biomedical Materials Research - Part A, 2018, 106, 1585-1594.	2.1	13
20	Targeted therapy of human glioblastoma via delivery of a toxin through a peptide directed to cell surface nucleolin. Journal of Cellular Physiology, 2018, 233, 4091-4105.	2.0	19
21	N6L pseudopeptide interferes with nucleophosmin protein-protein interactions and sensitizes leukemic cells to chemotherapy. Cancer Letters, 2018, 412, 272-282.	3.2	10
22	Fragment-Based Discovery of a Regulatory Site in Thioredoxin Glutathione Reductase Acting as â€œDoorstopâ€•for NADPH Entry. ACS Chemical Biology, 2018, 13, 2190-2202.	1.6	25
23	The Involvement of PPARs in the Peculiar Energetic Metabolism of Tumor Cells. International Journal of Molecular Sciences, 2018, 19, 1907.	1.8	27
24	Strategies to Improve the Clinical Utility of Saporin-Based Targeted Toxins. Toxins, 2018, 10, 82.	1.5	44
25	Probiotic DSF counteracts chemotherapy induced neuropathic pain. Oncotarget, 2018, 9, 27998-28008.	0.8	40
26	PPARs in Neurodegenerative and Neuroinflammatory Pathways. Current Alzheimer Research, 2018, 15, 336-344.	0.7	17
27	A peroxiredoxin-based proteinaceous scaffold for the growth and differentiation of neuronal cells and tumour stem cells in the absence of prodifferentiation agents. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 2462-2470.	1.3	4
28	Flavopiridol: An Old Drug With New Perspectives? Implication for Development of New Drugs. Journal of Cellular Physiology, 2017, 232, 312-322.	2.0	22
29	PPARÎ± Antagonist AA452 Triggers Metabolic Reprogramming and Increases Sensitivity to Radiation Therapy in Human Glioblastoma Primary Cells. Journal of Cellular Physiology, 2017, 232, 1458-1466.	2.0	26
30	Roles of PPAR transcription factors in the energetic metabolic switch occurring during adult neurogenesis. Cell Cycle, 2017, 16, 59-72.	1.3	37
31	Uric Acid Amplifies AÎ² Amyloid Effects Involved in the Cognitive Dysfunction/Dementia: Evidences From an Experimental Model In Vitro. Journal of Cellular Physiology, 2017, 232, 1069-1078.	2.0	38
32	EV20-Sap, a novel anti-HER-3 antibody-drug conjugate, displays promising antitumor activity in melanoma. Oncotarget, 2017, 8, 95412-95424.	0.8	22
33	Energy metabolism in glioblastoma stem cells: PPARÎ± a metabolic adaptor to intratumoral microenvironment. Oncotarget, 2017, 8, 108430-108450.	0.8	21
34	Glioblastoma Stem Cells Microenvironment: The Paracrine Roles of the Niche in Drug and Radioresistance. Stem Cells International, 2016, 2016, 1-17.	1.2	131
35	The PPARÎ²/Î´ Agonist GW0742 Induces Early Neuronal Maturation of Cortical Postâ€Mitotic Neurons: Role of PPARÎ²/Î´ in Neuronal Maturation. Journal of Cellular Physiology, 2016, 231, 597-606.	2.0	7
36	Optimization of construct design and fermentation strategy for the production of bioactive ATF-SAP, a saporin based anti-tumoral uPAR-targeted chimera. Microbial Cell Factories, 2016, 15, 194.	1.9	21

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37	Supramolecular self-assembly of graphene oxide and metal nanoparticles into stacked multilayers by means of a multitasking protein ring. Nanoscale, 2016, 8, 6739-6753.	2.8	24
38	One ring (or two) to hold them all â€“ on the structure and function of protein nanotubes. FEBS Journal, 2015, 282, 2827-2845.	2.2	19
39	PPARÎ²/Î´ and Î³ in a Rat Model of Parkinson's Disease: Possible Involvement in PD Symptoms. Journal of Cellular Biochemistry, 2015, 116, 844-855.	1.2	18
40	Nucleolin antagonist triggers autophagic cell death in human glioblastoma primary cells and decreased in vivo tumor growth in orthotopic brain tumor model. Oncotarget, 2015, 6, 42091-42104.	0.8	44
41	PDZ Domain in the Engineering and Production of a Saporin Chimeric Toxin as a Tool for targeting Cancer Cells. Journal of Cellular Biochemistry, 2015, 116, 1256-1266.	1.2	7
42	Systematic comparison of single-chain Fv antibody-fusion toxin constructs containing Pseudomonas Exotoxin A or saporin produced in different microbial expression systems. Microbial Cell Factories, 2015, 14, 19.	1.9	23
43	Involvement of peroxisome proliferator-activated receptor Î²/Î´ (PPAR Î²/Î´) in BDNF signaling during aging and in Alzheimer disease: Possible role of 4-hydroxynonenal (4-HNE). Cell Cycle, 2014, 13, 1335-1344.	1.3	41
44	Metal-induced self-assembly of peroxiredoxin as a tool for sorting ultrasmall gold nanoparticles into one-dimensional clusters. Nanoscale, 2014, 6, 8052.	2.8	30
45	Switching between the Alternative Structures and Functions of a 2-Cys Peroxiredoxin, by Site-Directed Mutagenesis. Journal of Molecular Biology, 2013, 425, 4556-4568.	2.0	50
46	Neuroprotective effects of PrxI overâ€expression in an in vitro human Alzheimer's disease model. Journal of Cellular Biochemistry, 2013, 114, 708-715.	1.2	27
47	Dissecting the Entry Route of Saporin-based a-CD7 Immunotoxins in Human T-Cell Acute Lymphoblastic Leukaemia Cells. Antibodies, 2013, 2, 50-65.	1.2	0
48	Current Status and Biomedical Applications of Ribosome-Inactivating Proteins. , 2013, , 145-179.		5
49	Physiological roles of ovotransferrin. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 218-225.	1.1	99
50	Hypoxia modulation of peroxisome proliferatorâ€activated receptors (PPARs) in human glioblastoma stem cells. Implications for therapy. Journal of Cellular Biochemistry, 2012, 113, 3342-3352.	1.2	11
51	Distinct cellular responses induced by saporin and a transferrinâ€“saporin conjugate in two different human glioblastoma cell lines. Journal of Cellular Physiology, 2012, 227, 939-951.	2.0	22
52	Innovative Therapies against Human Glioblastoma Multiforme. ISRN Oncology, 2011, 2011, 1-12.	2.1	11
53	Engineering a switchable toxin: the potential use of PDZ domains in the expression, targeting and activation of modified saporin variants. Protein Engineering, Design and Selection, 2010, 23, 61-68.	1.0	13
54	Pichia pastoris as a host for secretion of toxic saporin chimeras. FASEB Journal, 2010, 24, 253-265.	0.2	37

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55	Ricin and Saporin: Plant Enzymes for the Research and the Clinics. Current Chemical Biology, 2010, 4, 99-107.	0.2	3
56	Towards a Stem Architecture Description Language for Self-Adaptive Systems. , 2010, , .		0
57	The role of the glycan moiety on the structureâ€“function relationships of PD-L1, type 1 ribosome-inactivating protein from P. dioica leaves. Molecular BioSystems, 2010, 6, 570.	2.9	11
58	Learning from the Cell Life-Cycle: A Self-adaptive Paradigm. Lecture Notes in Computer Science, 2010, , 485-488.	1.0	0
59	Ricin and Saporin: Plant Enzymes for the Research and the Clinics. Current Chemical Biology, 2010, 4, 99-107.	0.2	1
60	Molecular characterization of nitrite reductase gene (aniA) and gene product in Neisseria meningitidis isolates: Is aniA essential for meningococcal survival?. IUBMB Life, 2008, 60, 629-636.	1.5	25
61	Multiple strategies for O2 transport: from simplicity to complexity. IUBMB Life, 2007, 59, 600-616.	1.5	21
62	Saporin and ricin A chain follow different intracellular routes to enter the cytosol of intoxicated cells. FEBS Journal, 2005, 272, 4983-4995.	2.2	80
63	The effect of AZT and chloroquine on the activities of ricin and a saporinâ€“transferrin chimeric toxin. Biochemical Pharmacology, 2005, 70, 560-569.	2.0	13
64	GlutathioneS-transferase tissue profiling by reporter peptide monitoring. Proteomics, 2005, 5, 648-653.	1.3	1
65	Reductive activation of ricin and ricin A-chain immunotoxins by protein disulfide isomerase and thioredoxin reductase. Biochemical Pharmacology, 2004, 67, 1721-1731.	2.0	81
66	Proteolytic activity of bovine lactoferrin. BioMetals, 2004, 17, 249-255.	1.8	23
67	Proteolytic activity of bovine lactoferrin. BioMetals, 2004, 17, 745-745.	1.8	0
68	Structure and function of the plant toxin ricin, an N-glycosidase enzyme. Italian Journal of Biochemistry, 2004, 53, 92-7.	0.3	1
69	Role of immune sera in the in-vitro phagocytosis of Bordetella pertussis strains. Microbial Pathogenesis, 2002, 32, 135-141.	1.3	5
70	P-glycoprotein inserted in planar lipid bilayers formed by liposomes opened on amorphous carbon and Langmuirâ€“Blodgett monolayer. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1559, 21-31.	1.4	15
71	Immunogold localisation of P-glycoprotein in supported lipid bilayers by transmission electron microscopy and atomic force microscopy. The Histochemical Journal, 2001, 33, 305-309.	0.6	4
72	Endocytosis of a chimera between human proâ€urokinase and the plant toxin saporin: an unusual internalization mechanism. FASEB Journal, 2000, 14, 1335-1344.	0.2	28

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73	The crystal structure of saporin SO6 fromSaponaria officinalisand its interaction with the ribosome. FEBS Letters, 2000, 470, 239-243.	1.3	70
74	Modulation of mitochondrial respiration by nitric oxide: investigation by single cell fluorescence microscopy. FASEB Journal, 1999, 13, 191-197.	0.2	71
75	Crystallization and preliminary X-ray study of saporin, a ribosome-inactivating protein fromSaponaria officinalis. Acta Crystallographica Section D: Biological Crystallography, 1998, 54, 636-638.	2.5	8
76	Targeting of saporin to Hodgkin's lymphoma cells by antiâ€CD30 and antiâ€CD25 bispecific antibodies. British Journal of Haematology, 1998, 102, 1061-1068.	1.2	10
77	Covalent complex of microperoxidase with a 21-residue synthetic peptide as a maquette for low-molecular-mass redox proteins. Biochemical Journal, 1997, 328, 833-840.	1.7	9
78	A saporinâ€insulin conjugate: Synthesis and biochemical characterization. Natural Toxins, 1996, 4, 156-162.	1.0	6
79	A chimeric saporinâ€transferrin conjugate compared to ricin toxin: role of the carrier in intracellular transport and toxicity. FASEB Journal, 1995, 9, 1220-1225.	0.2	36
80	Intracellular dynamics of ricin followed by fluorescence microscopy on living cells reveals a rapid accumulation of the dimeric toxin in the Golgi apparatus. FEBS Letters, 1994, 344, 99-104.	1.3	10
81	Ligand binding and slow structural changes in chlorocruorin from Spirographis spallanzanii. Biochemistry, 1993, 32, 7635-7643.	1.2	2
82	The amino acid sequence and oxygen-binding properties of the single hemoglobin of the cold-adapted Antarctic teleost Gymnodraco acuticeps. Archives of Biochemistry and Biophysics, 1992, 292, 295-302.	1.4	59
83	A ribosomal protein is specifically recognized by saporin, a plant toxin which inhibits protein synthesis. FEBS Letters, 1992, 298, 145-148.	1.3	27
84	On the problem of immunological detection of antigens in skeletal remains. American Journal of Physical Anthropology, 1991, 86, 429-432.	2.1	12
85	Effect of aromatic isothiocyanates on the functional properties of human hemoglobin. Biophysical Chemistry, 1990, 37, 293-302.	1.5	2
86	Cooperative ligand binding of crosslinked hemoglobins at very high temperatures. Journal of Molecular Biology, 1990, 213, 571-574.	2.0	7
87	Binding and internalization of ricin labelled with fluorescein isothiocyanate. Biochemical and Biophysical Research Communications, 1990, 169, 602-609.	1.0	11
88	Human erythrocytes cross-linked with glutaraldehyde general properties and significance as a blood substitute. Biochemical and Biophysical Research Communications, 1988, 156, 970-977.	1.0	21
89	On the oxygen-linked anion-binding sites in human hemoglobin. Functional properties of human hemoglobin reacted with 4-isothiocyanatobenzenesulphonic acid and its hybrids. FEBS Journal, 1986, 161, 329-333.	0.2	12