

Anna Caselli

List of Publications by Year in descending order

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44
papers

1,612
citations

361045

20
h-index

288905

40
g-index

44
all docs

44
docs citations

44
times ranked

2620
citing authors

#	ARTICLE	IF	CITATIONS
1	The Inactivation Mechanism of Low Molecular Weight Phosphotyrosine-protein Phosphatase by H ₂ O ₂ . Journal of Biological Chemistry, 1998, 273, 32554-32560.	1.6	190
2	Morin: A Promising Natural Drug. Current Medicinal Chemistry, 2016, 23, 774-791.	1.2	164
3	Proliferation Versus Migration in Platelet-derived Growth Factor Signaling. Journal of Biological Chemistry, 2008, 283, 19948-19956.	1.6	125
4	5-Fluorouracil resistant colon cancer cells are addicted to OXPHOS to survive and enhance stem-like traits. Oncotarget, 2015, 6, 41706-41721.	0.8	103
5	The insulin-mimetic effect of Morin: A promising molecule in diabetes treatment. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3102-3111.	1.1	97
6	Cancer associated fibroblasts transfer lipids and proteins to cancer cells through cargo vesicles supporting tumor growth. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 3211-3223.	1.9	78
7	Protein N-Homocysteinylation Induces the Formation of Toxic Amyloid-Like Protofibrils. Journal of Molecular Biology, 2010, 400, 889-907.	2.0	75
8	PrP ^c activation induces neurite outgrowth and differentiation in PC12 cells: role for caveolin-1 in the signal transduction pathway. Journal of Neurochemistry, 2009, 110, 194-207.	2.1	63
9	Dephosphorylation of tyrosine phosphorylated synthetic peptides by rat liver phosphotyrosine protein phosphatase isoenzymes. FEBS Letters, 1993, 326, 131-134.	1.3	61
10	Some protein tyrosine phosphatases target in part to lipid rafts and interact with caveolin-1. Biochemical and Biophysical Research Communications, 2002, 296, 692-697.	1.0	59
11	Rat liver lowM r phosphotyrosine protein phosphatase isoenzymes: Purification and amino acid sequences. The Protein Journal, 1992, 11, 333-345.	1.1	52
12	Synthesis, biological activity and structure-activity relationships of new benzoic acid-based protein tyrosine phosphatase inhibitors endowed with insulinomimetic effects in mouse C2C12 skeletal muscle cells. European Journal of Medicinal Chemistry, 2014, 71, 112-127.	2.6	47
13	Protein expression profiles in Saccharomyces cerevisiae during apoptosis induced by H ₂ O ₂ . Proteomics, 2007, 7, 1434-1445.	1.3	46
14	In vivo inactivation of phosphotyrosine protein phosphatases by nitric oxide. FEBS Letters, 1995, 374, 249-252.	1.3	40
15	Low molecular weight protein tyrosine phosphatase: Multifaceted functions of an evolutionarily conserved enzyme. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 1339-1355.	1.1	33
16	PAMP Activity of Cerato-Platanin during Plant Interaction: An -Omic Approach. International Journal of Molecular Sciences, 2016, 17, 866.	1.8	29
17	Tyrosine-phosphorylated Caveolin Is a Physiological Substrate of the Low M r Protein-Tyrosine Phosphatase. Journal of Biological Chemistry, 2001, 276, 18849-18854.	1.6	28
18	Modeled Microgravity Affects Fibroblast Functions Related to Wound Healing. Microgravity Science and Technology, 2017, 29, 121-132.	0.7	27

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19	Plasma Membrane Injury Depends on Bilayer Lipid Composition in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 289-300.	1.2	23
20	Effect of IR laser on myoblasts: a proteomic study. <i>Molecular BioSystems</i> , 2013, 9, 1147.	2.9	22
21	A proteomic approach to the investigation of early events involved in vascular smooth muscle cell activation. <i>Cell and Tissue Research</i> , 2007, 328, 185-195.	1.5	20
22	A proteomic approach to the investigation of early events involved in the activation of vascular smooth muscle cells. <i>Cell and Tissue Research</i> , 2007, 329, 119-128.	1.5	20
23	The role of Cys-17 in the pyridoxal 5â€²-phosphate inhibition of the bovine liver low phosphotyrosine protein phosphatase. <i>BBA - Proteins and Proteomics</i> , 1993, 1161, 216-222.	2.1	19
24	The effects of CA IX catalysis products within tumor microenvironment. <i>Cell Communication and Signaling</i> , 2013, 11, 81.	2.7	18
25	Insulin Inhibits Platelet-derived Growth Factor-induced Cell Proliferation. <i>Molecular Biology of the Cell</i> , 2005, 16, 73-83.	0.9	16
26	Kinetic studies on rat liver low Mr phosphotyrosine protein phosphatases. The activation mechanism of the isoenzyme AcP2 by cGMP. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1995, 1243, 129-135.	1.1	15
27	Targeting LMW-PTP to sensitize melanoma cancer cells toward chemo- and radiotherapy. <i>Cancer Medicine</i> , 2018, 7, 1933-1943.	1.3	14
28	Morin-dependent inhibition of low molecular weight protein tyrosine phosphatase (LMW-PTP) restores sensitivity to apoptosis during colon carcinogenesis: Studies in vitro and in vivo, in an Apc-driven model of colon cancer. <i>Molecular Carcinogenesis</i> , 2019, 58, 686-698.	1.3	14
29	Activated fibroblasts enhance cancer cell migration by microvesicles-mediated transfer of Galectin-1. <i>Journal of Cell Communication and Signaling</i> , 2021, 15, 405-419.	1.8	13
30	Natural α -Glucosidase and Protein Tyrosine Phosphatase 1B Inhibitors: A Source of Scaffold Molecules for Synthesis of New Multitarget Antidiabetic Drugs. <i>Molecules</i> , 2021, 26, 4818.	1.7	13
31	Low Molecular Weight Protein Tyrosine Phosphatase and Caveolin-1: Interaction and Isoenzyme-Dependent Regulation. <i>Biochemistry</i> , 2007, 46, 6383-6392.	1.2	12
32	Identity of zinc ion-dependent acid phosphatase from bovine brain and myo-inositol 1-phosphatase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1996, 1290, 241-249.	1.1	11
33	miR-210p mediates metabolic adaptation and sustains DNA damage repair of resistant colon cancer cells to treatment with 5-fluorouracil. <i>Molecular Carcinogenesis</i> , 2019, 58, 2181-2192.	1.3	11
34	Porcine liver low Mr phosphotyrosine protein phosphatase: The amino acid sequence. <i>The Protein Journal</i> , 1994, 13, 107-115.	1.1	10
35	LMW-PTP modulates glucose metabolism in cancer cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2533-2544.	1.1	8
36	Comparative proteomic analysis of two distinct stem-cell populations from human amniotic fluid. <i>Molecular BioSystems</i> , 2015, 11, 1622-1632.	2.9	7

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37	Site-directed mutagenesis of two aromatic residues lining the active site pocket of the yeast Ltp1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 753-762.	1.1	6
38	A Nucleophilic Catalysis Step is Involved in the Hydrolysis of Aryl Phosphate Monoesters by Human CT Acylphosphatase. <i>Journal of Biological Chemistry</i> , 2003, 278, 194-199.	1.6	5
39	S-Homocysteinylation effects on transthyretin: worsening of cardiomyopathy onset. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129453.	1.1	5
40	The amino acid sequences of two acylphosphatase isoforms from fish muscle (<i>Lamna nasus</i>). <i>BBA - Proteins and Proteomics</i> , 1998, 1387, 264-274.	2.1	4
41	Effect of IR Laser on Myoblasts: Prospects of Application for Counteracting Microgravity-Induced Muscle Atrophy. <i>Microgravity Science and Technology</i> , 2013, 25, 35-42.	0.7	4
42	Thiolation of Low-Mr Phosphotyrosine Protein Phosphatase by Thiol-Disulfides. <i>IUBMB Life</i> , 1999, 48, 505-511.	1.5	3
43	Effect of Natural Compounds on Insulin Signaling. <i>Current Medicinal Chemistry</i> , 2014, 22, 80-111.	1.2	2
44	Kinetic mechanism of the Zn-dependent aryl-phosphatase activity of myo-inositol-1-phosphatase. <i>Biophysical Chemistry</i> , 2007, 125, 435-443.	1.5	0