Francesca Magherini

List of Publications by Year
in descending order

65 papers	1,798 citations	236612 25 h-index	288905 40 g-index
67 all docs	67 docs citations	67 times ranked	2425 citing authors

#	Article	IF	Citations
1	Mutational analysis of acylphosphatase suggests the importance of topology and contact order in protein folding. Nature Structural Biology, 1999, 6, 1005-1009.	9.7	257
2	Auranofin, Et₃PAuCl, and Et₃PAuI Are Highly Cytotoxic on Colorectal Cancer Cells: A Chemical and Biological Study. ACS Medicinal Chemistry Letters, 2017, 8, 997-1001.	1.3	91
3	Replacement of the Thiosugar of Auranofin with Iodide Enhances the Anticancer Potency in a Mouse Model of Ovarian Cancer. ACS Medicinal Chemistry Letters, 2019, 10, 656-660.	1.3	64
4	Exploring the biochemical mechanisms of cytotoxic gold compounds: a proteomic study. Journal of Biological Inorganic Chemistry, 2010, 15, 573-582.	1.1	60
5	Conformational Stability of Muscle Acylphosphatase:Â The Role of Temperature, Denaturant Concentration, and pHâ€. Biochemistry, 1998, 37, 1447-1455.	1.2	57
6	Mmf1p, a Novel Yeast Mitochondrial Protein Conserved throughout Evolution and Involved in Maintenance of the Mitochondrial Genome. Molecular and Cellular Biology, 2000, 20, 7784-7797.	1.1	55
7	Adiponectin Signaling Pathways in Liver Diseases. Biomedicines, 2018, 6, 52.	1.4	55
8	Structural characterization of the transition state for folding of muscle acylphosphatase 1 1Edited by P. E. Wright. Journal of Molecular Biology, 1998, 283, 893-903.	2.0	54
9	Adiponectin as a tissue regenerating hormone: more than a metabolic function. Cellular and Molecular Life Sciences, 2014, 71, 1917-1925.	2.4	54
10	Oxidative stress in exercise training: the involvement of inflammation and peripheral signals. Free Radical Research, 2019, 53, 1155-1165.	1.5	53
11	Antiproliferative effects of two gold(I)-N-heterocyclic carbene complexes in A2780 human ovarian cancer cells: a comparative proteomic study. Oncotarget, 2018, 9, 28042-28068.	0.8	53
12	Looking for Residues Involved in the Muscle Acylphosphatase Catalytic Mechanism and Structural Stabilization:â€‰ Role of Asn41, Thr42, and Thr46. Biochemistry, 1996, 35, 7077-7083.	1.2	48
13	Extraction of microbial proteome from soil: potential and limitations assessed through a model study. European Journal of Soil Science, 2011, 62, 74-81.	1.8	48
14	Protein expression profiles inSaccharomyces cerevisiae during apoptosis induced by H2O2. Proteomics, 2007, 7, 1434-1445.	1.3	46
15	Proteomic analysis of ovarian cancer cell responses to cytotoxic gold compounds. Metallomics, 2012, 4, 307.	1.0	39
16	Hyperglycemia and angiotensin II cooperate to enhance collagen I deposition by cardiac fibroblasts through a ROS-STAT3-dependent mechanism. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2603-2610.	1.9	39
17	Proteomic analysis of A2780/S ovarian cancer cell response to the cytotoxic organogold(III) compound Aubipyc. Journal of Proteomics, 2014, 103, 103-120.	1.2	37
18	Upgrade of an old drug: Auranofin in innovative cancer therapies to overcome drug resistance and to increase drug effectiveness. Medicinal Research Reviews, 2022, 42, 1111-1146.	5.0	36

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19	Proteomic analysis and protein carbonylation profile in trained and untrained rat muscles. Journal of Proteomics, 2012, 75, 978-992.	1.2	33
20	Arginine-23 is involved in the catalytic site of muscle acylphosphatase. BBA - Proteins and Proteomics, 1994, 1208, 75-80.	2.1	31
21	Proteomic and Metallomic Strategies for Understanding the Mode of Action of Anticancer Metallodrugs. Anti-Cancer Agents in Medicinal Chemistry, 2010, 10, 324-337.	0.9	31
22	Effect of different glucose concentrations on proteome of Saccharomyces cerevisiae. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 1516-1525.	1.1	30
23	Different carbon sources affect lifespan and protein redox state during Saccharomyces cerevisiae chronological ageing. Cellular and Molecular Life Sciences, 2009, 66, 933-947.	2.4	28
24	A proteomic approach to identify plasma proteins in patients with abdominal aortic aneurysm. Molecular BioSystems, 2011, 7, 2855.	2.9	28
25	Activation of autophagy by globular adiponectin is required for muscle differentiation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 694-702.	1.9	28
26	Proteome analysis in dystrophic mdx mouse muscle reveals a drastic alteration of key metabolic and contractile proteins after chronic exercise and the potential modulation by anti-oxidant compounds. Journal of Proteomics, 2018, 170, 43-58.	1.2	27
27	Plasma proteincarbonylation and physical exercise. Molecular BioSystems, 2011, 7, 640-650.	2.9	25
28	Cellular Redox Imbalance and Changes of Protein S-glutathionylation Patterns Are Associated with Senescence Induced by Oncogenic H-Ras. PLoS ONE, 2012, 7, e52151.	1.1	25
29	The Adipokines in Cancer Cachexia. International Journal of Molecular Sciences, 2020, 21, 4860.	1.8	25
30	An integrated analysis of the effects of Esculentin 1â€“21 on Saccharomyces cerevisiae. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 688-700.	1.1	22
31	Expression of the small tyrosine phosphatase (Stp1) inSaccharomyces cerevisiae: A study on protein tyrosine phosphorylation. Electrophoresis, 2001, 22, 576-585.	1.3	16
32	Cloning of murine low molecular weight phosphotyrosine protein phosphatase cDNA: identification of a new isoform. FEBS Letters, 1998, 437, 263-266.	1.3	15
33	Structural and Kinetic Investigations on the 15â˜21 and 42â˜45 Loops of Muscle Acylphosphatase:Â Evidence for Their Involvement in Enzyme Catalysis and Conformational Stabilizationâ€. Biochemistry, 1997, 36, 7217-7224.	1.2	14
34	Adiponectin in Myopathies. International Journal of Molecular Sciences, 2019, 20, 1544.	1.8	14
35	Expression, purification and kinetic behaviour of fission yeast lowMrprotein-tyrosine phosphatase. FEBS Letters, 1995, 375, 235-238.	1.3	13
36	Cloning, expression and characterisation of a new human low M r phosphotyrosine protein phosphatase originating by alternative splicing. FEBS Letters, 1998, 431, 111-115.	1.3	13

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37	C-terminal region contributes to muscle acylphosphatase three-dimensional structure stabilisation. FEBS Letters, 1996, 384, 172-176.	1.3	12
38	Expression of the Stp1 LMW-PTP and inhibition of protein CK2 display a cooperative effect on immunophilin Fpr3 tyrosine phosphorylation and Saccharomyces cerevisiae growth. Cellular and Molecular Life Sciences, 2004, 61, 1176-1184.	2.4	12
39	Soil solid phases effects on the proteomic analysis of Cupriavidus metallidurans CH34. Biology and Fertility of Soils, 2012, 48, 425-433.	2.3	12
40	Evidence that the antiproliferative effects of auranofin in Saccharomyces cerevisiae arise from inhibition of mitochondrial respiration. International Journal of Biochemistry and Cell Biology, 2015, 65, 61-71.	1.2	12
41	Properties of N-terminus truncated and C-terminus mutated muscle acylphosphatases. FEBS Letters, 1995, 362, 175-179.	1.3	11
42	Drosophila melanogasteracylphosphatase: A common ancestor for acylphosphatase isoenzymes of vertebrate species. FEBS Letters, 1998, 433, 205-210.	1.3	11
43	Cellular response to empty and palladiumâ€conjugated aminoâ€polystyrene nanospheres uptake: A proteomic study. Proteomics, 2015, 15, 34-43.	1.3	11
44	Profiling Carbonylated Proteins in Heart and Skeletal Muscle Mitochondria from Trained and Untrained Mice. Journal of Proteome Research, 2016, 15, 3666-3678.	1.8	11
45	Proteomic and Carbonylation Profile Analysis of Rat Skeletal Muscles following Acute Swimming Exercise. PLoS ONE, 2013, 8, e71839.	1.1	11
46	A novel interaction mechanism accounting for different acylphosphatase effects on cardiac and fast twitch skeletal muscle sarcoplasmic reticulum calcium pumps. FEBS Letters, 1999, 443, 308-312.	1.3	10
47	In Saccharomyces cerevisiae an unbalanced level of tyrosine phosphorylation down-regulates the Ras/PKA pathway. International Journal of Biochemistry and Cell Biology, 2006, 38, 444-460.	1.2	10
48	Proteomic analysis of the cytotoxic effects induced by the organogold(<scp>iii</scp>) complex Aubipy_cin cisplatin-resistant A2780 ovarian cancer cells: further evidence for the glycolytic pathway implication. Molecular BioSystems, 2015, 11, 1653-1667.	2.9	10
49	Proteomic Identification of VEGF-dependent Protein Enrichment to Membrane Caveolar-raft Microdomains in Endothelial Progenitor Cells. Molecular and Cellular Proteomics, 2013, 12, 1926-1938.	2.5	9
50	Irreversible plasma and muscle protein oxidation and physical exercise. Free Radical Research, 2019, 53, 126-138.	1.5	9
51	Properties of Cys21-mutated muscle acylphosphatases. The Protein Journal, 1996, 15, 27-34.	1.1	8
52	Au2phen and Auoxo6, Two Dinuclear Oxo-Bridged Gold(III) Compounds, Induce Apoptotic Signaling in Human Ovarian A2780 Cancer Cells. Biomedicines, 2021, 9, 871.	1.4	8
53	The effects of two gold-N-heterocyclic carbene (NHC) complexes in ovarian cancer cells: a redox proteomic study. Cancer Chemotherapy and Pharmacology, 2022, 89, 809-823.	1.1	8
54	Novel insights into phenotype and mitochondrial proteome of yeast mutants lacking proteins Sco1p or Sco2p. Mitochondrion, 2009, 9, 103-114.	1.6	7

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55	Comparative proteomic analysis of two distinct stem-cell populations from human amniotic fluid. Molecular BioSystems, 2015, 11, 1622-1632.	2.9	7
56	A Metabolic Change towards Fermentation Drives Cancer Cachexia in Myotubes. Biomedicines, 2021, 9, 698.	1.4	7
57	The in vivo tyrosine phosphorylation level of yeast immunophilin Fpr3 is influenced by the LMW-PTP Ltp1. Biochemical and Biophysical Research Communications, 2004, 321, 424-431.	1.0	6
58	Site-directed mutagenesis of two aromatic residues lining the active site pocket of the yeast Ltp1. Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 753-762.	1.1	6
59	Postactivation potentiation improves athletic performance without affecting plasma oxidative level. Journal of Sports Medicine and Physical Fitness, 2019, 59, 975-981.	0.4	6
60	Role of adiponectin in the metabolism of skeletal muscles in collagen VIâ€“related myopathies. Journal of Molecular Medicine, 2019, 97, 793-801.	1.7	5
61	Modulation of Plasma Proteomic Profile by Regular Training in Male and Female Basketball Players: A Preliminary Study. Frontiers in Physiology, 2022, 13, 813447.	1.3	4
62	Proteomic analysis of cells exposed to prefibrillar aggregates of HypF-N. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1243-1250.	1.1	3
63	RND-4 efflux transporter gene deletion in Burkholderia cenocepacia J2315: a proteomic analysis. Journal of Proteome Science and Computational Biology, 2013, 2, 1.	1.0	3
64	Evaluation of <scp>SCO</scp>1 deletion on <scp>S</scp>accharomyces cerevisiae metabolism through a proteomic approach. Proteomics, 2012, 12, 1767-1780.	1.3	2
65	Data on protein abundance alteration induced by chronic exercise in mdx mice model of Duchenne muscular dystrophy and potential modulation by apocynin and taurine. Data in Brief, 2018, 18, 555-575.	0.5	1