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List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

4,423
citations

109321

35
h-index

106344

65
g-index

82
all docs

82
docs citations

82
times ranked

6808
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between immunometabolic status and cognitive performance among major depression disorder patients. <i>Psychoneuroendocrinology</i> , 2022, 137, 105631.	2.7	2
2	Stemness of Human Pluripotent Cells: Hypoxia-Like Response Induced by Low Nitric Oxide. <i>Antioxidants</i> , 2021, 10, 1408.	5.1	3
3	Measurement of Superoxide Production in Acute Hypoxia by Fixed-Cell Microscopy. <i>Methods in Molecular Biology</i> , 2021, 2202, 43-50.	0.9	1
4	S-Nitrosation of E3 Ubiquitin Ligase Complex Components Regulates Hormonal Signalings in Arabidopsis. <i>Frontiers in Plant Science</i> , 2021, 12, 794582.	3.6	6
5	Metabolic adaptations in spontaneously immortalized PGC-1 β knock-out mouse embryonic fibroblasts increase their oncogenic potential. <i>Redox Biology</i> , 2020, 29, 101396.	9.0	12
6	Na ⁺ controls hypoxic signalling by the mitochondrial respiratory chain. <i>Nature</i> , 2020, 586, 287-291.	27.8	139
7	The specific PKC- δ inhibitor chelerythrine blunts costunolide-induced eryptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2020, 25, 674-685.	4.9	16
8	Identification of new targets of S-nitrosylation in neural stem cells by thiol redox proteomics. <i>Redox Biology</i> , 2020, 32, 101457.	9.0	4
9	Downregulation of thioredoxin-1-dependent CD95 S-nitrosation by Sorafenib reduces liver cancer. <i>Redox Biology</i> , 2020, 34, 101528.	9.0	16
10	Human glutathione-S-transferase pi potentiates the cysteine-protease activity of the Der p 1 allergen from house dust mite through a cysteine redox mechanism. <i>Redox Biology</i> , 2019, 26, 101256.	9.0	10
11	HIF1 β Suppresses Tumor Cell Proliferation through Inhibition of Aspartate Biosynthesis. <i>Cell Reports</i> , 2019, 26, 2257-2265.e4.	6.4	69
12	Cxcl8-induced reactive oxygen species produced during human neutrophil rolling. <i>European Journal of Immunology</i> , 2019, 49, 386-397.	2.9	12
13	Early cysteine-dependent inactivation of 26S proteasomes does not involve particle disassembly. <i>Redox Biology</i> , 2018, 16, 123-128.	9.0	6
14	Identification of S-Nitrosylated and Reversibly Oxidized Proteins by Fluorescence Switch and Complementary Techniques. <i>Methods in Molecular Biology</i> , 2018, 1747, 73-87.	0.9	5
15	The APP ^{swe} /PS ^{1A246E} mutations in an astrocytic cell line leads to increased vulnerability to oxygen and glucose deprivation, Ca ²⁺ dysregulation, and mitochondrial abnormalities. <i>Journal of Neurochemistry</i> , 2018, 145, 170-182.	3.9	4
16	S-Nitrosylation of Ras Mediates Nitric Oxide-Dependent Post-Injury Neurogenesis in a Seizure Model. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 15-30.	5.4	13
17	Ebselen impairs cellular oxidative state and induces endoplasmic reticulum stress and activation of crucial mitogen-activated protein kinases in pancreatic tumour AR42J cells. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 1122-1133.	2.6	14
18	R-Ras2 is required for germinal center formation to aid B cells during energetically demanding processes. <i>Science Signaling</i> , 2018, 11, .	3.6	24

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19	Regulation of SCFTIR1/AFBs E3 ligase assembly by S-nitrosylation of ArabidopsisASKP1-like1 impacts on auxin signaling. <i>Redox Biology</i> , 2018, 18, 200-210.	9.0	48
20	Mitochondrial complex I deactivation is related to superoxide production in acute hypoxia. <i>Redox Biology</i> , 2017, 12, 1040-1051.	9.0	92
21	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017, 13, 94-162.	9.0	242
22	Hypoxia and Redox Signaling on Extracellular Matrix Remodeling: From Mechanisms to Pathological Implications. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 802-822.	5.4	15
23	Trifluoperazine-Induced Suicidal Erythrocyte Death and S-Nitrosylation Inhibition, Reversed by the Nitric Oxide Donor Sodium Nitroprusside. <i>Cellular Physiology and Biochemistry</i> , 2017, 42, 1985-1998.	1.6	18
24	eNOS S-nitrosylates Î²-actin on Cys374 and regulates PKC-Î± at the immune synapse by impairing actin binding to profilin-1. <i>PLoS Biology</i> , 2017, 15, e2000653.	5.6	25
25	âœ“Oxygen Sensingâœ“by Na,K-ATPase: These Miraculous Thiols. <i>Frontiers in Physiology</i> , 2016, 7, 314.	2.8	70
26	Role of Mitochondrial Complex IV in Age-Dependent Obesity. <i>Cell Reports</i> , 2016, 16, 2991-3002.	6.4	65
27	Ebselen alters cellular oxidative status and induces endoplasmic reticulum stress in rat hippocampal astrocytes. <i>Toxicology</i> , 2016, 357-358, 74-84.	4.2	14
28	Post-Translational Nitric Oxideâœ“Dependent Modifications In Immune System. <i>Redox Biology</i> , 2015, 5, 418-419.	9.0	4
29	Reactive oxygen species, nutrition, hypoxia and diseases: Problems solved?. <i>Redox Biology</i> , 2015, 6, 372-385.	9.0	279
30	Sâœ“nitrosation and neuronal plasticity. <i>British Journal of Pharmacology</i> , 2015, 172, 1468-1478.	5.4	18
31	Disulfide Stress and its Targets in Acute Pancreatitis. <i>Inflammation and Allergy: Drug Targets</i> , 2015, 13, 312-322.	1.8	1
32	Acute hypoxia produces a superoxide burst in cells. <i>Free Radical Biology and Medicine</i> , 2014, 71, 146-156.	2.9	106
33	Disulfide stress: a novel type of oxidative stress in acute pancreatitis. <i>Free Radical Biology and Medicine</i> , 2014, 70, 265-277.	2.9	61
34	Specificity in S-Nitrosylation: A Short-Range Mechanism for NO Signaling?. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 1220-1235.	5.4	105
35	Nitrosothiols in the Immune System: Signaling and Protection. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 288-308.	5.4	46
36	A Novel Strategy for Global Analysis of the Dynamic Thiol Redox Proteome. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 800-813.	3.8	65

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37	Differential redox proteomics allows identification of proteins reversibly oxidized at cysteine residues in endothelial cells in response to acute hypoxia. <i>Journal of Proteomics</i> , 2012, 75, 5449-5462.	2.4	39
38	S-Nitrosylation of the Death Receptor Fas Promotes Fas Ligand-Mediated Apoptosis in Cancer Cells. <i>Gastroenterology</i> , 2011, 140, 2009-2018.e4.	1.3	83
39	Induction of the Mitochondrial NDUFA4L2 Protein by HIF-1 α Decreases Oxygen Consumption by Inhibiting Complex I Activity. <i>Cell Metabolism</i> , 2011, 14, 768-779.	16.2	276
40	Thiol redox proteomics seen with fluorescent eyes: The detection of cysteine oxidative modifications by fluorescence derivatization and 2-DE. <i>Journal of Proteomics</i> , 2011, 75, 329-338.	2.4	29
41	Nitric oxide mimics transcriptional and post-translational regulation during α -Tocopherol cytoprotection against glycochenodeoxycholate-induced cell death in hepatocytes. <i>Journal of Hepatology</i> , 2011, 55, 133-144.	3.7	32
42	Nitric oxide signaling: Classical, less classical, and nonclassical mechanisms. <i>Free Radical Biology and Medicine</i> , 2011, 51, 17-29.	2.9	294
43	Cyclosporine A-induced nitration of tyrosine 34 MnSOD in endothelial cells: role of mitochondrial superoxide. <i>Cardiovascular Research</i> , 2010, 87, 356-365.	3.8	61
44	Two decades of new concepts in nitric oxide signaling: From the discovery of a gas messenger to the mediation of nonenzymatic posttranslational modifications. <i>IUBMB Life</i> , 2009, 61, 91-98.	3.4	43
45	A fluorescence switch-technique increases the sensitivity of proteomic detection and identification of S-nitrosylated proteins. <i>Proteomics</i> , 2009, 9, 5359-5370.	2.2	41
46	Glyceraldehyde-3-Phosphate Dehydrogenase Regulates Endothelin-1 Expression by a Novel, Redox-Sensitive Mechanism Involving mRNA Stability. <i>Molecular and Cellular Biology</i> , 2008, 28, 7139-7155.	2.3	106
47	Endothelial nitric oxide synthase regulates N-Ras activation on the Golgi complex of antigen-stimulated T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10507-10512.	7.1	71
48	Proteomic Identification of S-Nitrosylated Proteins in Endothelial Cells. , 2007, 357, 215-224.		22
49	Nitric Oxide Down-regulates Caveolin-3 Levels through the Interaction with Myogenin, Its Transcription Factor. <i>Journal of Biological Chemistry</i> , 2007, 282, 23044-23054.	3.4	12
50	Signalling by NO-induced protein S-nitrosylation and S-glutathionylation: Convergences and divergences. <i>Cardiovascular Research</i> , 2007, 75, 220-228.	3.8	161
51	Functional interplay between endothelial nitric oxide synthase and membrane type 1 matrix metalloproteinase in migrating endothelial cells. <i>Blood</i> , 2007, 110, 2916-2923.	1.4	55
52	High-sensitivity analysis of specific peptides in complex samples by selected MS/MS ion monitoring and linear ion trap mass spectrometry: Application to biological studies. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1391-1403.	1.6	68
53	Cbfa-1 mediates nitric oxide regulation of MMP-13 in osteoblasts. <i>Journal of Cell Science</i> , 2006, 119, 1896-1902.	2.0	58
54	Anomalous electrophoretic behavior of a very acidic protein: Ribonuclease U2. <i>Electrophoresis</i> , 2005, 26, 3407-3413.	2.4	38

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55	Nitrosylation of thiols in vascular homeostasis and disease. <i>Current Atherosclerosis Reports</i> , 2005, 7, 213-218.	4.8	9
56	Detection and Identification of S-Nitrosylated Proteins in Endothelial Cells. <i>Methods in Enzymology</i> , 2005, 396, 131-139.	1.0	20
57	S-nitrosylation of Hsp90 promotes the inhibition of its ATPase and endothelial nitric oxide synthase regulatory activities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8525-8530.	7.1	294
58	S-nitrosylation: a potential new paradigm in signal transduction. <i>Cardiovascular Research</i> , 2004, 62, 43-52.	3.8	217
59	Detection and proteomic identification of S-nitrosylated proteins in endothelial cells. <i>Archives of Biochemistry and Biophysics</i> , 2004, 423, 192-199.	3.0	115
60	RNase U2 and Î±-Sarcin: A Study of Relationships. <i>Methods in Enzymology</i> , 2001, 341, 335-351.	1.0	44
61	Arginine 121 is a crucial residue for the specific cytotoxic activity of the ribotoxin Î±-sarcin. <i>FEBS Journal</i> , 2001, 268, 6190-6196.	0.2	24
62	Mitogillin and Related Fungal Ribotoxins. <i>Methods in Enzymology</i> , 2001, 341, 324-335.	1.0	40
63	Assignment of the contribution of the tryptophan residues to the spectroscopic and functional properties of the ribotoxin Î±-sarcin. <i>Proteins: Structure, Function and Bioinformatics</i> , 2000, 41, 350-361.	2.6	29
64	The solubility of the ribotoxin alpha-sarcin, produced as a recombinant protein in <i>Escherichia coli</i> , is increased in the presence of thioredoxin. <i>Letters in Applied Microbiology</i> , 2000, 30, 298-302.	2.2	18
65	Ribonuclease U2: cloning, production in <i>Pichia pastoris</i> and affinity chromatography purification of the active recombinant protein. <i>FEMS Microbiology Letters</i> , 2000, 189, 165-169.	1.8	8
66	Overproduction in <i>Escherichia coli</i> and Purification of the Hemolytic Protein Sticholysin II from the Sea Anemone <i>Stichodactyla helianthus</i> . <i>Protein Expression and Purification</i> , 2000, 18, 71-76.	1.3	36
67	Ribonuclease U2: cloning, production in <i>Pichia pastoris</i> and affinity chromatography purification of the active recombinant protein. <i>FEMS Microbiology Letters</i> , 2000, 189, 165-169.	1.8	8
68	Production and detailed characterization of biologically active olive pollen allergen Ole e 1 secreted by the yeast <i>Pichia pastoris</i> . <i>FEBS Journal</i> , 1999, 261, 539-546.	0.2	53
69	Role of histidine-50, glutamic acid-96, and histidine-137 in the ribonucleolytic mechanism of the ribotoxin Î±-sarcin. , 1999, 37, 474-484.		47
70	Ribotoxins are a more widespread group of proteins within the filamentous fungi than previously believed. <i>Toxicon</i> , 1999, 37, 1549-1563.	1.6	47
71	Hirsutellin A Displays Significant Homology to Microbial Extracellular Ribonucleases. <i>Journal of Invertebrate Pathology</i> , 1999, 74, 96-97.	3.2	17
72	The cytotoxin Î±-sarcin behaves as a cyclizing ribonuclease. <i>FEBS Letters</i> , 1998, 424, 46-48.	2.8	36

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73	Secretion of Recombinant Pro- and Mature Fungal α -Sarcin Ribotoxin by the Methylophilic Yeast <i>Pichia pastoris</i> : The Lys-Arg Motif Is Required for Maturation. <i>Protein Expression and Purification</i> , 1998, 12, 315-322.	1.3	32
74	Sequence Determination and Molecular Characterization of Gigantin, a Cytotoxic Protein Produced by the Mould <i>Aspergillus giganteus</i> FO 5818. <i>Archives of Biochemistry and Biophysics</i> , 1997, 343, 188-193.	3.0	24
75	Characterization of a natural larger form of the antifungal protein (AFP) from <i>Aspergillus giganteus</i> . <i>BBA - Proteins and Proteomics</i> , 1997, 1340, 81-87.	2.1	31
76	Substitution of histidine-137 by glutamine abolishes the catalytic activity of the ribosome-inactivating protein α -sarcin. <i>Biochemical Journal</i> , 1995, 309, 581-586.	3.7	33
77	Characterization of the Antifungal Protein Secreted by the Mould <i>Aspergillus giganteus</i> . <i>Archives of Biochemistry and Biophysics</i> , 1995, 324, 273-281.	3.0	101