

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74 papers	1,475 citations	22 h-index	33 g-index
76 ext. papers	1,664 ext. citations	4 avg, IF	3.88 L-index

#	Paper	IF	Citations
74	Oxidative Stress and Erythrocyte Membrane Alterations in Children with Autism: Correlation with Clinical Features. <i>PLoS ONE</i> , 2013 , 8, e66418	3.7	98
73	Oxygen radicals induce stress proteins and tolerance to oxidative stress in human lymphocytes. <i>International Journal of Radiation Biology</i> , 1996 , 70, 337-50	2.9	84
72	Licofelone, a dual COX/5-LOX inhibitor, induces apoptosis in HCA-7 colon cancer cells through the mitochondrial pathway independently from its ability to affect the arachidonic acid cascade. <i>Carcinogenesis</i> , 2008 , 29, 371-80	4.6	76
71	Mild exercise training, cardioprotection and stress genes profile. <i>European Journal of Applied Physiology</i> , 2007 , 99, 503-10	3.4	55
70	Sequential events of apoptosis involving docetaxel, a microtubule-interfering agent: a cytometric study. <i>BMC Cell Biology</i> , 2006 , 7, 6		52
69	White cell apoptosis in packed red cells. <i>Transfusion</i> , 1998 , 38, 1082-9	2.9	50
68	Advanced glycation endproducts, dityrosine and arginine transporter dysfunction in autism - a source of biomarkers for clinical diagnosis. <i>Molecular Autism</i> , 2018 , 9, 3	6.5	43
67	Risk and Protective Environmental Factors Associated with Autism Spectrum Disorder: Evidence-Based Principles and Recommendations. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	40
66	Transfer ribonucleic acids in rat liver and Morris 5123 minimal deviation hepatoma. <i>Biochemistry</i> , 1971 , 10, 900-8	3.2	39
65	Moderate exercise training induces ROS-related adaptations to skeletal muscles. <i>International Journal of Sports Medicine</i> , 2013 , 34, 676-87	3.6	34
64	Oxidative stress in the denervated muscle. <i>Free Radical Research</i> , 2010 , 44, 563-76	4	32
63	Proteomic analysis and protein carbonylation profile in trained and untrained rat muscles. <i>Journal of Proteomics</i> , 2012 , 75, 978-92	3.9	30
62	Perspective Biological Markers for Autism Spectrum Disorders: Advantages of the Use of Receiver Operating Characteristic Curves in Evaluating Marker Sensitivity and Specificity. <i>Disease Markers</i> , 2015 , 2015, 329607	3.2	28
61	Partial persistence of exercise-induced myocardial angiogenesis following 4-week detraining in the rat. <i>Histochemistry and Cell Biology</i> , 2008 , 129, 479-87	2.4	27
60	Heat shock response by EBV-immortalized B-lymphocytes from centenarians and control subjects: a model to study the relevance of stress response in longevity. <i>Experimental Gerontology</i> , 2004 , 39, 83-90	4.5	27
59	Apoptosis of human lymphocytes in the absence or presence of internucleosomal DNA cleavage. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 229, 910-5	3.4	27
58	Pyrethroid Pesticide Metabolite in Urine and Microelements in Hair of Children Affected by Autism Spectrum Disorders: A Preliminary Investigation. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13, 388	4.6	27

57	Myocardial tolerance to ischemia-reperfusion injury, training intensity and cessation. <i>European Journal of Applied Physiology</i> , 2011 , 111, 859-68	3.4	25
56	A subpopulation of rat muscle fibers maintains an assessable excitation-contraction coupling mechanism after long-standing denervation despite lost contractility. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009 , 68, 1256-68	3.1	25
55	Micromolar zinc affects endonucleolytic activity in hydrogen peroxide-mediated apoptosis. <i>Experimental Cell Research</i> , 1998 , 239, 393-8	4.2	25
54	Modulation of paraoxonase 1 and 3 expression after moderate exercise training in the rat. <i>Journal of Lipid Research</i> , 2009 , 50, 2036-45	6.3	23
53	Recovery of human lymphocytes damaged with gamma-radiation or enzymatically produced oxygen radicals: different effects of poly(ADP-ribosyl)polymerase inhibitors. <i>International Journal of Radiation Biology</i> , 1990 , 58, 279-91	2.9	23
52	Modulation of caspase-3 activity by zinc ions and by the cell redox state. <i>Experimental Cell Research</i> , 2001 , 266, 323-32	4.2	22
51	Inhibition of poly(ADP-ribose) polymerization preserves the glutathione pool and reverses cytotoxicity in hydrogen peroxide-treated lymphocytes. <i>Biochemical Pharmacology</i> , 1993 , 46, 2139-44	6	22
50	High predictive values of RBC membrane-based diagnostics by biophotonics in an integrated approach for Autism Spectrum Disorders. <i>Scientific Reports</i> , 2017 , 7, 9854	4.9	21
49	Exposure of alpha2,6-sialylated lactosaminic chains marks apoptotic and necrotic death in different cell types. <i>Glycobiology</i> , 2009 , 19, 172-81	5.8	21
48	Quantitation of plasma thiamine, related metabolites and plasma protein oxidative damage markers in children with autism spectrum disorder and healthy controls. <i>Free Radical Research</i> , 2016 , 50, S85-S90	4	21
47	Impact of the phosphatidylinositide 3-kinase signaling pathway on the cardioprotection induced by intermittent hypoxia. <i>PLoS ONE</i> , 2013 , 8, e76659	3.7	20
46	Gene expression profile of rat left ventricles reveals persisting changes following chronic mild exercise protocol: implications for cardioprotection. <i>BMC Genomics</i> , 2009 , 10, 342	4.5	20
45	Effect of training and sudden detraining on the patellar tendon and its enthesis in rats. <i>BMC Musculoskeletal Disorders</i> , 2011 , 12, 20	2.8	19
44	HPLC determination of glutathione and other thiols in human mononuclear blood cells. <i>Biomedical Chromatography</i> , 1998 , 12, 262-6	1.7	19
43	Age-dependent changes in the susceptibility to apoptosis of peripheral blood CD4+ and CD8+ T lymphocytes with virgin or memory phenotype. <i>Mechanisms of Ageing and Development</i> , 2003 , 124, 409-18	5.6	19
42	Aerobic training affects fatty acid composition of erythrocyte membranes. <i>Lipids in Health and Disease</i> , 2011 , 10, 188	4.4	18
41	The exercised skeletal muscle: a review. <i>European Journal of Translational Myology</i> , 2010 , 20, 105	2.1	18
40	Inhibition of cell proliferation by D-ribose and deoxy-D-ribose. <i>Experimental Biology and Medicine</i> , 1985 , 180, 246-57	3.7	18

39	Plasma peroxiredoxin changes and inflammatory cytokines support the involvement of neuro-inflammation and oxidative stress in Autism Spectrum Disorder. <i>Journal of Translational Medicine</i> , 2019 , 17, 332	8.5	16
38	Persistence of regenerative myogenesis in spite of down-regulation of activity-dependent genes in long-term denervated rat muscle. <i>Neurological Research</i> , 2008 , 30, 197-206	2.7	16
37	Transfer ribonucleic acids from eleven immunoglobulin-secreting mouse plasmacytomas. Constant and variable chromatographic profiles compared with the myeloma protein sequences. <i>Nucleic Acids and Protein Synthesis</i> , 1979 , 562, 252-70		16
36	White cell apoptosis in platelet concentrates. <i>Transfusion</i> , 2000 , 40, 160-8	2.9	15
35	Autism Spectrum Disorder from the Womb to Adulthood: Suggestions for a Paradigm Shift. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	15
34	Pathways of adenine nucleotide metabolism: degradation and resynthesis of IMP in ageing chicken heart. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1996 , 114, 99-104		14
33	D-ribose inhibits DNA repair synthesis in human lymphocytes. <i>Biochemical and Biophysical Research Communications</i> , 1986 , 138, 673-8	3.4	14
32	Rapid clearance of mRNA for PLAC1 gene in maternal blood after delivery. <i>Fetal Diagnosis and Therapy</i> , 2005 , 20, 27-30	2.4	13
31	Na ⁺ , K ⁺ -ATPase activity in children with autism spectrum disorder: Searching for the reason(s) of its decrease in blood cells. <i>Autism Research</i> , 2018 , 11, 1388-1403	5.1	12
30	Frataxin mRNA isoforms in FRDA patients and normal subjects: effect of tocotrienol supplementation. <i>BioMed Research International</i> , 2013 , 2013, 276808	3	12
29	Metabolic and cytoprotective effects of in vivo peri-patellar hyaluronic acid injections in cultured tenocytes. <i>Connective Tissue Research</i> , 2015 , 56, 35-43	3.3	11
28	Skeletal Muscle Gene Expression in Long-Term Endurance and Resistance Trained Elderly. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
27	trans-Double Bond-Containing Liposomes as Potential Carriers for Drug Delivery. <i>Molecules</i> , 2017 , 22,	4.8	11
26	Oxidative Stress in Autistic Children Alters Erythrocyte Shape in the Absence of Quantitative Protein Alterations and of Loss of Membrane Phospholipid Asymmetry. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 6430601	6.7	11
25	Inhibition of poly(ADP-ribosyl)ation does not prevent lymphocyte entry into the cell cycle. <i>FEBS Letters</i> , 1989 , 253, 146-50	3.8	10
24	Proteomic and carbonylation profile analysis of rat skeletal muscles following acute swimming exercise. <i>PLoS ONE</i> , 2013 , 8, e71839	3.7	10
23	High-performance capillary electrophoretic determination of glutathione in human lymphocytes. <i>Journal of Separation Science</i> , 1998 , 10, 503-509		9
22	Oxidative stress does not mediate heat shock-induced cell damage and apoptosis. <i>Redox Report</i> , 1997 , 3, 57-63	5.9	8

21	Effect of vanadate of PHA-induced proliferation of human lymphocytes from young and old subjects. <i>Biochemical and Biophysical Research Communications</i> , 1987 , 142, 836-42	3.4	8
20	Hyaluronic acid injections protect patellar tendon from detraining-associated damage. <i>Histology and Histopathology</i> , 2015 , 30, 1079-88	1.4	8
19	New Insights into the Hepcidin-Ferroportin Axis and Iron Homeostasis in iPSC-Derived Cardiomyocytes from Friedreich's Ataxia Patient. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 7623023	6.7	7
18	Effect of ADP-ribosyl transferase inhibitors on the survival of human lymphocytes after exposure to different DNA-damaging agents. <i>Annals of the New York Academy of Sciences</i> , 1988 , 551, 446-7	6.5	7
17	Biochemical changes induced by tumors at distant sites: altered transfer RNA profiles in livers of mice bearing plasmacytomas. <i>Cancer Letters</i> , 1979 , 8, 177-81	9.9	7
16	Ultrastructural investigation of the effect of DNA, RNA, and protein synthesis inhibitors on ribosome crystallization. <i>Journal of Ultrastructure Research</i> , 1973 , 44, 265-78		7
15	Differential effect of L-histidine in human lymphocytes damaged by different oxygen radical producing systems. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1993 , 301, 243-8		6
14	Non-thermal radio frequency and static magnetic fields increase rate of hemoglobin deoxygenation in a cell-free preparation. <i>PLoS ONE</i> , 2013 , 8, e61752	3.7	6
13	Supplementation of creatine and ribose prevents apoptosis and right ventricle hypertrophy in hypoxic hearts. <i>Current Pharmaceutical Design</i> , 2013 , 19, 6873-9	3.3	6
12	A study of the effect on human mesenchymal stem cells of an atmospheric pressure plasma source driven by different voltage waveforms. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 364003	3	5
11	Ribosomal crystallization in hypothermized chicken bone marrow. <i>Journal of Ultrastructure Research</i> , 1977 , 60, 140-7		5
10	Non-Coding RNAs in the Transcriptional Network That Differentiates Skeletal Muscles of Sedentary from Long-Term Endurance- and Resistance-Trained Elderly. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
9	Multiple chromatographic peaks of phenylalanyl-tRNA associated with spontaneous hydrolysis of Y base during isolation. <i>Nucleic Acids and Protein Synthesis</i> , 1977 , 476, 345-51		4
8	An In Vitro Model for Studying Oxidative Damage and Protective Substances in Human Cells. <i>ATLA Alternatives To Laboratory Animals</i> , 1991 , 19, 77-83	2.1	4
7	Effects of tocotrienol supplementation in Friedreich's ataxia: A model of oxidative stress pathology. <i>Experimental Biology and Medicine</i> , 2020 , 245, 201-212	3.7	4
6	Morphological adaptation and protein modulation of myotendinous junction following moderate aerobic training. <i>Histology and Histopathology</i> , 2015 , 30, 465-72	1.4	4
5	The Alteration of Chloride Homeostasis/GABAergic Signaling in Brain Disorders: Could Oxidative Stress Play a Role?. <i>Antioxidants</i> , 2021 , 10,	7.1	3
4	Cluster analysis of aminoacyl-tRNAs from mouse plasmacytomas correlates chromatographic profiles with myeloma protein similarity, clonal origin of tumour lines, and the neoplastic nature of the tissues. <i>Journal of Theoretical Biology</i> , 1980 , 85, 507-21	2.3	2

- 3 Tumor-specific tRNA modifications in mouse plasmacytomas and other tumors. *Recent Results in Cancer Research*, **1983**, 84, 121-32 1.5 2
- 2 Megakaryocytopoiesis in bone marrow-derived stromal-hemopoietic cells co-cultures: action of Tamm-Horsfall glycoprotein. *Cell Differentiation*, **1984**, 14, 277-85
- 1 TdT-positive and TdT-negative human leukemic cells: specific density and morphology. *Advances in Experimental Medicine and Biology*, **1982**, 145, 357-70 3.6