

# Ivan Dimauro

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,531  
citations

304368

22  
h-index

315357

38  
g-index

70  
all docs

70  
docs citations

70  
times ranked

2473  
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple protocol for the subcellular fractionation of skeletal muscle cells and tissue. BMC Research Notes, 2012, 5, 513.	0.6	257
2	Physical activity in the prevention of human diseases: role of epigenetic modifications. BMC Genomics, 2017, 18, 802.	1.2	142
3	Exercise-induced ROS in heat shock proteins response. Free Radical Biology and Medicine, 2016, 98, 46-55.	1.3	80
4	Explosive type of moderate-resistance training induces functional, cardiovascular, and molecular adaptations in the elderly. Age, 2014, 36, 759-772.	3.0	74
5	Acute Exercise Modulates BDNF and pro-BDNF Protein Content in Immune Cells. Medicine and Science in Sports and Exercise, 2012, 44, 1871-1880.	0.2	67
6	Platelet-Rich Plasma and Skeletal Muscle Healing: A Molecular Analysis of the Early Phases of the Regeneration Process in an Experimental Animal Model. PLoS ONE, 2014, 9, e102993.	1.1	64
7	Resistance training and redox homeostasis: Correlation with age-associated genomic changes. Redox Biology, 2016, 10, 34-44.	3.9	61
8	The role of $\alpha$ -B-crystallin in skeletal and cardiac muscle tissues. Cell Stress and Chaperones, 2018, 23, 491-505.	1.2	60
9	Oxidative stress responses to a graded maximal exercise test in older adults following explosive-type resistance training. Redox Biology, 2014, 2, 65-72.	3.9	55
10	Role of exercise-induced reactive oxygen species in the modulation of heat shock protein response. Free Radical Research, 2014, 48, 52-70.	1.5	52
11	Physical Exercise and Redox Balance in Type 2 Diabetics: Effects of Moderate Training on Biomarkers of Oxidative Stress and DNA Damage Evaluated through Comet Assay. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-7.	1.9	49
12	Regular exercise participation improves genomic stability in diabetic patients: an exploratory study to analyse telomere length and DNA damage. Scientific Reports, 2017, 7, 4137.	1.6	40
13	Exercise, redox homeostasis and the epigenetic landscape. Redox Biology, 2020, 35, 101477.	3.9	40
14	MiR-23-TrxR1 as a novel molecular axis in skeletal muscle differentiation. Scientific Reports, 2017, 7, 7219.	1.6	37
15	Redox homeostasis in sport: do athletes really need antioxidant support?. Research in Sports Medicine, 2019, 27, 147-165.	0.7	36
16	$\alpha$ -B-crystallin is involved in oxidative stress protection determined by VEGF in skeletal myoblasts. Free Radical Biology and Medicine, 2010, 49, 374-382.	1.3	28
17	Alpha B-crystallin induction in skeletal muscle cells under redox imbalance is mediated by a JNK-dependent regulatory mechanism. Free Radical Biology and Medicine, 2015, 86, 331-342.	1.3	27
18	Telomere length is independently associated with age, oxidative biomarkers, and sport training in skeletal muscle of healthy adult males. Free Radical Research, 2018, 52, 639-647.	1.5	26

#	ARTICLE	IF	CITATIONS
19	The early response of $\alpha$ -B-crystallin to a single bout of aerobic exercise in mouse skeletal muscles depends upon fiber oxidative features. <i>Redox Biology</i> , 2019, 24, 101183.	3.9	26
20	In vitro susceptibility of thioredoxins and glutathione to redox modification and aging-related changes in skeletal muscle. <i>Free Radical Biology and Medicine</i> , 2012, 53, 2017-2027.	1.3	24
21	Sildenafil Reduces Expression and Release of IL-6 and IL-8 Induced by Reactive Oxygen Species in Systemic Sclerosis Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3161.	1.8	24
22	New Strategy of Home-Based Exercise during Pandemic COVID-19 in Breast Cancer Patients: A Case Study. <i>Sustainability</i> , 2020, 12, 6940.	1.6	22
23	Exercise-mediated downregulation of MALAT1 expression and implications in primary and secondary cancer prevention. <i>Free Radical Biology and Medicine</i> , 2020, 160, 28-39.	1.3	21
24	Moringa oleifera Leaf Extract Upregulates Nrf2/HO-1 Expression and Ameliorates Redox Status in C2C12 Skeletal Muscle Cells. <i>Molecules</i> , 2021, 26, 5041.	1.7	21
25	Systemic Response of Antioxidants, Heat Shock Proteins, and Inflammatory Biomarkers to Short-Lasting Exercise Training in Healthy Male Subjects. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	1.9	18
26	Endurance training improves plasma superoxide dismutase activity in healthy elderly. <i>Mechanisms of Ageing and Development</i> , 2020, 185, 111190.	2.2	17
27	$\alpha$ -B-crystallin response to a pro-oxidant non-cytotoxic environment in murine cardiac cells: An <i>in vitro</i> and <i>in vivo</i> study. <i>Free Radical Biology and Medicine</i> , 2020, 152, 301-312.	1.3	13
28	The Phosphodiesterase Type 5 Inhibitor Sildenafil Improves DNA Stability and Redox Homeostasis in Systemic Sclerosis Fibroblasts Exposed to Reactive Oxygen Species. <i>Antioxidants</i> , 2020, 9, 786.	2.2	12
29	AlphaB-crystallin and breast cancer: role and possible therapeutic strategies. <i>Cell Stress and Chaperones</i> , 2021, 26, 19-28.	1.2	12
30	The Beneficial Role of Physical Exercise on Anthracyclines Induced Cardiotoxicity in Breast Cancer Patients. <i>Cancers</i> , 2022, 14, 2288.	1.7	11
31	Effects of Salmeterol on Skeletal Muscle Cells. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 2259-2273.	0.2	10
32	Short-term, supra-physiological rhGH administration induces transient DNA damage in peripheral lymphocytes of healthy women. <i>Journal of Endocrinological Investigation</i> , 2017, 40, 645-652.	1.8	10
33	Estrogen-Receptor-Positive Breast Cancer in Postmenopausal Women: The Role of Body Composition and Physical Exercise. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9834.	1.2	10
34	Alpha B-Crystallin in Muscle Disease Prevention: The Role of Physical Activity. <i>Molecules</i> , 2022, 27, 1147.	1.7	10
35	Gene expression and apoptosis induction in p53-heterozygous irradiated mice. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006, 594, 49-62.	0.4	9
36	The p75NTR-mediated effect of nerve growth factor in L6C5 myogenic cells. <i>BMC Research Notes</i> , 2017, 10, 686.	0.6	8

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37	Sex-based differences after a single bout of exercise on PGC1 $\alpha$ isoforms in skeletal muscle: A pilot study. <i>FASEB Journal</i> , 2021, 35, e21328.	0.2	8
38	Sildenafil Counteracts the In Vitro Activation of CXCL-9, CXCL-10 and CXCL-11/CXCR3 Axis Induced by Reactive Oxygen Species in Scleroderma Fibroblasts. <i>Biology</i> , 2021, 10, 491.	1.3	7
39	Function and Fiber-Type Specific Distribution of Hsp60 and $\beta$ -Crystallin in Skeletal Muscles: Role of Physical Exercise. <i>Biology</i> , 2021, 10, 77.	1.3	6
40	Effect of sport training on forearm bone sites in female handball and soccer players. <i>Journal of Sports Medicine and Physical Fitness</i> , 2016, 56, 1503-1510.	0.4	5
41	Hydrogen Peroxide Stimulates Dihydrotestosterone Release in C2C12 Myotubes: A New Perspective for Exercise-Related Muscle Steroidogenesis?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6566.	1.8	5
42	Modulation of the apoptotic pathway in skeletal muscle models: the role of growth hormone. <i>Growth Factors</i> , 2011, 29, 21-35.	0.5	3
43	Effect of Tadalafil Administration on Redox Homeostasis and Polyamine Levels in Healthy Men with High Level of Physical Activity. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9962.	1.2	3
44	Sex Differences in antiaging response to short- and long-term high-intensity interval exercise in rat cardiac muscle: Telomerase activity, total antioxidant/oxidant status. <i>Chinese Journal of Physiology</i> , 2019, 62, 261.	0.4	3
45	SFRR-E Young Investigator Awardee $\beta$ -crystallin modulation after acute exercise in skeletal muscle: the role of oxidative stress and fiber composition. <i>Free Radical Biology and Medicine</i> , 2014, 75, S13-S14.	1.3	1
46	Epigenomic adaptations of exercise in the control of metabolic disease and cancer. , 2019, , 289-316.		1
47	Effects of Tadalafil on skeletal muscle tissue: exploring interactions and novel mechanisms of action. <i>Minerva Endocrinology</i> , 2022, , .	0.6	1
48	Myeloperoxidase levels and cellular stress response after explosive-type of moderate resistance training in the elderly. <i>Free Radical Biology and Medicine</i> , 2012, 53, S68.	1.3	0
49	Explosive-type moderate resistance training affects cellular and biochemical parameters of exercise-induced oxidative stress in the elderly. <i>Free Radical Biology and Medicine</i> , 2013, 65, S19-S20.	1.3	0
50	Regular exercise participation improves genomic stability in diabetic patients: an exploratory study to analyse telomere length and DNA damage. <i>Free Radical Biology and Medicine</i> , 2017, 108, S95.	1.3	0
51	Exercise-induced Modulation of Extracellular Vesicles <sup>TM</sup> Cargo: a Focus on Antioxidants, Stress Proteins and miRNAs. <i>Free Radical Biology and Medicine</i> , 2020, 159, S26.	1.3	0
52	Endurance exercise and immune function: role of redox homeostasis and inflammatory biomarkers in systemic adaptation. <i>Free Radical Biology and Medicine</i> , 2021, 165, 31.	1.3	0
53	AB0089...SILDENAFIL COUNTERACTS THE ACTIVATION OF CXCR3/CXCL10, -11 AXIS IN SCLERODERMA FIBROBLASTS EXPOSED TO REACTIVE OXYGEN SPECIES. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 1074.1-1074.	0.5	0
54	Short and Long-Term Interval Effects of High-Intensity Interval Training on Pathways Related to Telomere Homeostasis in Rat Skeletal Muscle. <i>Middle East Journal of Rehabilitation and Health Studies</i> , 2022, In Press, .	0.1	0

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55	Sildenafil improves the redox homeostasis and pro-inflammatory activation in systemic sclerosis fibroblasts exposed to reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2021, 177, S70.	1.3	0
56	Systemic response to acute aerobic exercise in the circulatory system: a possible cross-talk between plasma extracellular vesicles and blood monocytes. <i>Free Radical Biology and Medicine</i> , 2021, 177, S107.	1.3	0
57	Short-term endurance training in untrained individuals: Comparing the features of PBMCs and plasma extracellular vesicles in oxidative stress-related biomarkers. <i>Free Radical Biology and Medicine</i> , 2021, 177, S80.	1.3	0