

Gerardo Bosco

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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.

96
papers

1,533
citations

21
h-index

36
g-index

105
ext. papers

1,901
ext. citations

3.2
avg, IF

4.64
L-index

#	Paper	IF	Citations
96	White Blood Cells, Platelets, Red Blood Cells and Gas Bubbles in SCUBA Diving: Is There a Relationship?. <i>Healthcare (Switzerland)</i> , 2022 , 10,	3.4	1
95	Oxidative stress and motion sickness in one crew during competitive offshore sailing.. <i>Scientific Reports</i> , 2022 , 12, 1142	4.9	1
94	Delayed Neurological Sequelae Successfully Treated with Adjuvant, Prolonged Hyperbaric Oxygen Therapy: Review and Case Report.. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19,	4.6	
93	Pathophysiological Responses to a Record-Breaking Multi-hour Underwater Endurance Performance: A Case Study. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1289, 79-88	3.6	2
92	Blood Gas Analyses in Hyperbaric and Underwater Environments: A Systematic Review.. <i>Journal of Applied Physiology</i> , 2021 ,	3.7	3
91	The Role of Hyperbaric Oxygen Treatment for COVID-19: A Review. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1289, 27-35	3.6	14
90	Evidence-Supported HBO Therapy in Femoral Head Necrosis: A Systematic Review and Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	5
89	Emergency Medicine Cases in Underwater and Hyperbaric Environments: The Use of Simulation as a Learning Technique. <i>Frontiers in Physiology</i> , 2021 , 12, 666503	4.6	
88	Quality Improvement Project of a Massive Transfusion Protocol (MTP) to Reduce Wastage of Blood Components. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1
87	Hyperbaric Oxygen Therapy and A-PRF Pre-Treated Implants in Severe Periodontitis: A Case Report. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
86	Heart Rate Variability During a Standard Dive: A Role for Inspired Oxygen Pressure?. <i>Frontiers in Physiology</i> , 2021 , 12, 635132	4.6	2
85	Endothelial Nitric Oxide Production and Antioxidant Response in Breath-Hold Diving: Genetic Predisposition or Environment Related?. <i>Frontiers in Physiology</i> , 2021 , 12, 692204	4.6	1
84	Serum Cardiac and Skeletal Muscle Marker Changes in Repetitive Breath-hold Diving. <i>Sports Medicine - Open</i> , 2021 , 7, 58	6.1	1
83	Oxidative Stress and Inflammation, MicroRNA, and Hemoglobin Variations after Administration of Oxygen at Different Pressures and Concentrations: A Randomized Trial. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	6
82	Hypoxic and Hyperoxic Breathing as a Complement to Low-Intensity Physical Exercise Programs: A Proof-of-Principle Study. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
81	Hyperbaric Oxygen Therapy Improves the Osteogenic and Vasculogenic Properties of Mesenchymal Stem Cells in the Presence of Inflammation In Vitro. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	18
80	Hyperbaric Oxygen Treatment for Carbon Monoxide Poisoning in Italy: Retrospective Validation of a Data Collection Tool for the Italian Registry of Carbon Monoxide Poisonings (IRCOP). <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	2

79	Commentary on: "Targeted and untargeted metabolomics applied to occupational exposure to hyperbaric atmosphere". <i>Toxicology Letters</i> , 2020 , 330, 71-72	4.4	1
78	Arterial blood gases in divers at surface after prolonged breath-hold. <i>European Journal of Applied Physiology</i> , 2020 , 120, 505-512	3.4	10
77	Change in Oxidative Stress Biomarkers During 30 Days in Saturation Dive: A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	10
76	Nitric Oxide and Oxidative Stress Changes at Depth in Breath-Hold Diving. <i>Frontiers in Physiology</i> , 2020 , 11, 609642	4.6	6
75	Oxidative stress assessment in breath-hold diving. <i>European Journal of Applied Physiology</i> , 2019 , 119, 2449-2456	3.4	14
74	Sex Hormones Response to Physical Hyperoxic and Hyperbaric Stress in Male Scuba Divers: A Pilot Study. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1176, 53-62	3.6	3
73	Osteonecrosis in Children and Adolescents With Acute Lymphoblastic Leukemia: Early Diagnosis and New Treatment Strategies. <i>Anticancer Research</i> , 2019 , 39, 1259-1266	2.3	5
72	Expertise level influences postural balance control in young gymnasts. <i>Journal of Sports Medicine and Physical Fitness</i> , 2019 , 59, 593-599	1.4	5
71	Body Composition and Endocrine Adaptations to High-Altitude Trekking in the Himalayas. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1211, 61-68	3.6	5
70	Carbon monoxide intoxication: prehospital diagnosis and direct transfer to the hyperbaric chamber. <i>Minerva Anestesiologica</i> , 2019 , 85, 920-922	1.9	3
69	Clinical and morphological effects of hyperbaric oxygen therapy in patients with interstitial cystitis associated with fibromyalgia. <i>BMC Urology</i> , 2019 , 19, 108	2.2	3
68	Middle ear barotrauma during hyperbaric oxygen therapy; a review of occurrences in 5,962 patients. <i>Undersea and Hyperbaric Medicine</i> , 2019 , 46, 101-106	0.9	2
67	Effects of the Ketogenic diet in overweight divers breathing Enriched Air Nitrox. <i>Scientific Reports</i> , 2018 , 8, 2655	4.9	8
66	An overview of protective strategies against ischemia/reperfusion injury: The role of hyperbaric oxygen preconditioning. <i>Brain and Behavior</i> , 2018 , 8, e00959	3.4	42
65	Environmental Physiology and Diving Medicine. <i>Frontiers in Psychology</i> , 2018 , 9, 72	3.4	31
64	Critical velocity in swimmers of different ages. <i>Journal of Sports Medicine and Physical Fitness</i> , 2018 , 58, 1398-1402	1.4	
63	Spirometry and oxidative stress after rebreather diving in warm water. <i>Undersea and Hyperbaric Medicine</i> , 2018 , 45, 191-198	0.9	13
62	Internist, anesthesiologist and surgeon use of ketogenic diet. <i>Minerva Gastroenterology</i> , 2018 , 64, 84-93		0

61	Short-Term Modifications of Postural Balance Control in Young Healthy Subjects After Moderate Aquatic and Land Treadmill Running. <i>Frontiers in Physiology</i> , 2018 , 9, 1681	4.6	1
60	Arterial Blood Gas Analysis in Breath-Hold Divers at Depth. <i>Frontiers in Physiology</i> , 2018 , 9, 1558	4.6	20
59	Hyperbaric oxygen therapy ameliorates osteonecrosis in patients by modulating inflammation and oxidative stress. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018 , 33, 1501-1505	5.6	26
58	Femoral condylar necrosis: treatment with hyperbaric oxygen therapy. <i>Arthroplasty Today</i> , 2018 , 4, 510-515		7
57	Spirometry and oxidative stress after rebreather diving in warm water. <i>Undersea and Hyperbaric Medicine</i> , 2018 , 45, 191-198	0.9	8
56	Effect of mild hyperbaric oxygen therapy on children diagnosed with autism. <i>Undersea and Hyperbaric Medicine</i> , 2018 , 45, 639-645	0.9	1
55	Hyperbaric oxygen therapy modulates serum OPG/RANKL in femoral head necrosis patients. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017 , 32, 707-711	5.6	12
54	HBO in Military Medicine 2017 , 567-576		
53	Spirometry improvement after muscular exercise in elite swimmers. <i>Journal of Sports Medicine and Physical Fitness</i> , 2017 , 57, 1676-1679	1.4	
52	Introducing a new entity: underwater 12-lead exercise ECG. <i>Journal of Sports Medicine and Physical Fitness</i> , 2017 , 57, 1721-1723	1.4	
51	The effects of nifedipine on respiratory mechanics investigated by the end-inflation occlusion method in the rat. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017 , 32, 1-4	5.6	3
50	Cardiovascular complications and mortality determinants in near drowning victims: A 5-year retrospective analysis. <i>Journal of Critical Care</i> , 2017 , 37, 237-239	4	8
49	Review on hyperbaric oxygen treatment in femoral head necrosis. <i>Undersea and Hyperbaric Medicine</i> , 2017 , 44, 497-508	0.9	9
48	Cave canem: HBO therapy efficacy on Capnocytophaga canimorsus infections: a case series. <i>Undersea and Hyperbaric Medicine</i> , 2017 , 44, 179-186	0.9	3
47	Hyperbaric Oxygen Pretreatment and Preconditioning 2017 , 541-544		1
46	Bebe Vio: On top of the world. <i>Undersea and Hyperbaric Medicine</i> , 2017 , 44, 79-80	0.9	
45	The Effects of Different High-Protein Low-Carbohydrates Proprietary Foods on Blood Sugar in Healthy Subjects. <i>Journal of Medicinal Food</i> , 2016 , 19, 1085-1095	2.8	7
44	Causes of ischemic electrocardiographic changes in near drowning: A literature review. <i>Journal of Critical Care</i> , 2015 , 30, 1121-3	4	7

43	Effects of n-3 polyunsaturated fatty acids (EB) supplementation on some cardiovascular risk factors with a ketogenic Mediterranean diet. <i>Marine Drugs</i> , 2015 , 13, 996-1009	6	46
42	Effects of Twenty Days of the Ketogenic Diet on Metabolic and Respiratory Parameters in Healthy Subjects. <i>Lung</i> , 2015 , 193, 939-45	2.9	25
41	The Ketogenic Mediterranean Diet 2015 , 271-280		
40	Effects of oxygen concentration and pressure on <i>Drosophila melanogaster</i> : oxidative stress, mitochondrial activity, and survivorship. <i>Archives of Insect Biochemistry and Physiology</i> , 2015 , 88, 222-34	2.3	5
39	Ketosis, ketogenic diet and food intake control: a complex relationship. <i>Frontiers in Psychology</i> , 2015 , 6, 27	3.4	124
38	Effects of alpha lipoic acid and its R+ enantiomer supplemented to hyperbaric oxygen therapy on interleukin-6, TNF- α and EGF production in chronic leg wound healing. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014 , 29, 297-302	5.6	20
37	Hypothermia attenuates NO production in anesthetized rats with endotoxemia. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014 , 387, 659-65	3.4	6
36	Effects of repetitive exposure to anesthetics and analgesics in the Tg2576 mouse Alzheimer β model. <i>Neurotoxicity Research</i> , 2014 , 26, 414-21	4.3	12
35	Isoflurane prevents learning deficiencies caused by brief hypoxia and hypotension in adult Sprague Dawley rats. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014 , 29, 895-900	5.6	1
34	Ketogenic diet in neuromuscular and neurodegenerative diseases. <i>BioMed Research International</i> , 2014 , 2014, 474296	3	119
33	Acute effects of whole-body vibration on running gait in marathon runners. <i>Journal of Sports Sciences</i> , 2014 , 32, 1120-6	3.6	14
32	Hyperbaric air exposure at 2.5 ATA does not affect respiratory mechanics and lung histology in the rat. <i>Lung</i> , 2014 , 192, 609-14	2.9	5
31	Preconditioning with hyperbaric oxygen in pancreaticoduodenectomy: a randomized double-blind pilot study. <i>Anticancer Research</i> , 2014 , 34, 2899-906	2.3	7
30	Mechanisms of action of hyperbaric oxygen therapy. <i>Undersea and Hyperbaric Medicine</i> , 2014 , 41, 247-52	0.9	56
29	Hyperbaric oxygen pretreatment and preconditioning. <i>Undersea and Hyperbaric Medicine</i> , 2014 , 41, 259-63	0.9	14
28	The effect of body temperature on the dynamic respiratory system compliance-breathing frequency relationship in the rat. <i>Journal of Biological Physics</i> , 2013 , 39, 411-8	1.6	11
27	The effect of acute exposure to hyperbaric oxygen on respiratory system mechanics in the rat. <i>Lung</i> , 2013 , 191, 459-66	2.9	10
26	Hippocampal cellular loss after brief hypotension. <i>SpringerPlus</i> , 2013 , 2, 23		7

25	The effect of body cooling on respiratory system mechanics and hysteresis in rats. <i>Respiratory Physiology and Neurobiology</i> , 2013 , 189, 52-8	2.8	10
24	Repetitive intraperitoneal caspase-3 inhibitor and anesthesia reduces neuronal damage. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013 , 28, 1324-30	5.6	3
23	Long term successful weight loss with a combination biphasic ketogenic Mediterranean diet and Mediterranean diet maintenance protocol. <i>Nutrients</i> , 2013 , 5, 5205-17	6.7	103
22	Effect of hyperbaric oxygenation and gemcitabine on apoptosis of pancreatic ductal tumor cells in vitro. <i>Anticancer Research</i> , 2013 , 33, 4827-32	2.3	3
21	The Effects of Erythropoietin on the Respiratory Function: Measurements of Respiratory Mechanics in the Rat. <i>Current Respiratory Medicine Reviews</i> , 2012 , 8, 448-453	0.3	
20	Effect of pre-breathing oxygen at different depth on oxidative status and calcium concentration in lymphocytes of scuba divers. <i>Acta Physiologica</i> , 2011 , 202, 69-78	5.6	27
19	Performances in extreme environments: effects of hyper/hypobarism and hypogravity on skeletal muscle. <i>European Journal of Translational Myology</i> , 2010 , 20, 83	2.1	3
18	Effect of in-water oxygen prebreathing at different depths on decompression-induced bubble formation and platelet activation. <i>Journal of Applied Physiology</i> , 2010 , 108, 1077-83	3.7	21
17	Hyperbaric oxygenation alleviates MCAO-induced brain injury and reduces hydroxyl radical formation and glutamate release. <i>European Journal of Applied Physiology</i> , 2010 , 108, 513-22	3.4	45
16	Hyperbaric oxygen therapy in femoral head necrosis. <i>Journal of Arthroplasty</i> , 2010 , 25, 118-23	4.4	70
15	Identification and Measurement of Carbonic Anhydrase-II Molecule Numbers in the Rat Carotid Body. <i>Open Respiratory Medicine Journal</i> , 2009 , 3, 67-72	1.1	0
14	Effects of local vibrations on skeletal muscle trophism in elderly people: mechanical, cellular, and molecular events. <i>International Journal of Molecular Medicine</i> , 2009 , 24, 503-12	4.4	49
13	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
12	Evidence that chronic hypoxia causes reversible impairment on male fertility. <i>Asian Journal of Andrology</i> , 2008 , 10, 602-6	2.8	59
11	The effect of isovolemic hemodilution with oxycte, a perfluorocarbon emulsion, on cerebral blood flow in rats. <i>PLoS ONE</i> , 2008 , 3, e2010	3.7	12
10	Effects of hyperbaric oxygen on glucose, lactate, glycerol and anti-oxidant enzymes in the skeletal muscle of rats during ischaemia and reperfusion. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007 , 34, 70-6	3	30
9	Breath-hold diving: a point of view. <i>Sport Sciences for Health</i> , 2007 , 2, 47-54	1.3	12
8	Hyperbaric oxygenation ameliorates indomethacin-induced enteropathy in rats by modulating TNF-alpha and IL-1beta production. <i>Digestive Diseases and Sciences</i> , 2006 , 51, 1426-33	4	20

7	Pre-treatment with hyperbaric oxygenation reduces bubble formation and platelet activation. <i>Sport Sciences for Health</i> , 2006 , 1, 122-128	1.3	19
6	Voluntary breath-holding in the morning and in the evening. <i>Clinical Science</i> , 2004 , 106, 347-52	6.5	5
5	Beneficial effect of hyperbaric oxygen pretreatment on lipopolysaccharide-induced shock in rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2003 , 30, 482-8	3	31
4	Effects of hypoxia on the circadian patterns in men. <i>High Altitude Medicine and Biology</i> , 2003 , 4, 305-18	1.9	39
3	Propofol reduces infarct size and striatal dopamine accumulation following transient middle cerebral artery occlusion: a microdialysis study. <i>European Journal of Pharmacology</i> , 2002 , 452, 303-8	5.3	28
2	Hyperbaric oxygenation mitigates focal cerebral injury and reduces striatal dopamine release in a rat model of transient middle cerebral artery occlusion. <i>European Journal of Applied Physiology</i> , 2002 , 87, 101-7	3.4	41
1	Hyperbaric O ₂ reduces intestinal ischemia-reperfusion-induced TNF-alpha production and lung neutrophil sequestration. <i>European Journal of Applied Physiology</i> , 2001 , 85, 96-103	3.4	46