

# Gerardo Bosco

## 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.

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	Ketosis, ketogenic diet and food intake control: a complex relationship. <i>Frontiers in Psychology</i> , <b>2015</b> , 6, 27	3.4	124
95	Ketogenic diet in neuromuscular and neurodegenerative diseases. <i>BioMed Research International</i> , <b>2014</b> , 2014, 474296	3	119
94	Long term successful weight loss with a combination biphasic ketogenic Mediterranean diet and Mediterranean diet maintenance protocol. <i>Nutrients</i> , <b>2013</b> , 5, 5205-17	6.7	103
93	Hyperbaric oxygen therapy in femoral head necrosis. <i>Journal of Arthroplasty</i> , <b>2010</b> , 25, 118-23	4.4	70
92	Evidence that chronic hypoxia causes reversible impairment on male fertility. <i>Asian Journal of Andrology</i> , <b>2008</b> , 10, 602-6	2.8	59
91	Mechanisms of action of hyperbaric oxygen therapy. <i>Undersea and Hyperbaric Medicine</i> , <b>2014</b> , 41, 247-52	0.9	56
90	Effects of local vibrations on skeletal muscle trophism in elderly people: mechanical, cellular, and molecular events. <i>International Journal of Molecular Medicine</i> , <b>2009</b> , 24, 503-12	4.4	49
89	Effects of n-3 polyunsaturated fatty acids (EPA) supplementation on some cardiovascular risk factors with a ketogenic Mediterranean diet. <i>Marine Drugs</i> , <b>2015</b> , 13, 996-1009	6	46
88	Hyperbaric O2 reduces intestinal ischemia-reperfusion-induced TNF-alpha production and lung neutrophil sequestration. <i>European Journal of Applied Physiology</i> , <b>2001</b> , 85, 96-103	3.4	46
87	Hyperbaric oxygenation alleviates MCAO-induced brain injury and reduces hydroxyl radical formation and glutamate release. <i>European Journal of Applied Physiology</i> , <b>2010</b> , 108, 513-22	3.4	45
86	An overview of protective strategies against ischemia/reperfusion injury: The role of hyperbaric oxygen preconditioning. <i>Brain and Behavior</i> , <b>2018</b> , 8, e00959	3.4	42
85	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> , <b>2002</b> , 87, 101-7	3.4	41
84	Effects of hypoxia on the circadian patterns in men. <i>High Altitude Medicine and Biology</i> , <b>2003</b> , 4, 305-18	1.9	39
83	Environmental Physiology and Diving Medicine. <i>Frontiers in Psychology</i> , <b>2018</b> , 9, 72	3.4	31
82	Beneficial effect of hyperbaric oxygen pretreatment on lipopolysaccharide-induced shock in rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2003</b> , 30, 482-8	3	31
81	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> , <b>2007</b> , 34, 70-6	3	30
80	Propofol reduces infarct size and striatal dopamine accumulation following transient middle cerebral artery occlusion: a microdialysis study. <i>European Journal of Pharmacology</i> , <b>2002</b> , 452, 303-8	5.3	28

79	Effect of pre-breathing oxygen at different depth on oxidative status and calcium concentration in lymphocytes of scuba divers. <i>Acta Physiologica</i> , <b>2011</b> , 202, 69-78	5.6	27
78	Hyperbaric oxygen therapy ameliorates osteonecrosis in patients by modulating inflammation and oxidative stress. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2018</b> , 33, 1501-1505	5.6	26
77	Effects of Twenty Days of the Ketogenic Diet on Metabolic and Respiratory Parameters in Healthy Subjects. <i>Lung</i> , <b>2015</b> , 193, 939-45	2.9	25
76	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> , <b>2009</b> , 68, 1256-68	3.1	25
75	Effect of in-water oxygen prebreathing at different depths on decompression-induced bubble formation and platelet activation. <i>Journal of Applied Physiology</i> , <b>2010</b> , 108, 1077-83	3.7	21
74	Effects of alpha lipoic acid and its R+ enantiomer supplemented to hyperbaric oxygen therapy on interleukin-6, TNF- $\alpha$ and EGF production in chronic leg wound healing. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2014</b> , 29, 297-302	5.6	20
73	Hyperbaric oxygenation ameliorates indomethacin-induced enteropathy in rats by modulating TNF-alpha and IL-1beta production. <i>Digestive Diseases and Sciences</i> , <b>2006</b> , 51, 1426-33	4	20
72	Arterial Blood Gas Analysis in Breath-Hold Divers at Depth. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1558	4.6	20
71	Pre-treatment with hyperbaric oxygenation reduces bubble formation and platelet activation. <i>Sport Sciences for Health</i> , <b>2006</b> , 1, 122-128	1.3	19
70	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> , <b>2020</b> , 21,	6.3	18
69	Oxidative stress assessment in breath-hold diving. <i>European Journal of Applied Physiology</i> , <b>2019</b> , 119, 2449-2456	3.4	14
68	Acute effects of whole-body vibration on running gait in marathon runners. <i>Journal of Sports Sciences</i> , <b>2014</b> , 32, 1120-6	3.6	14
67	The Role of Hyperbaric Oxygen Treatment for COVID-19: A Review. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1289, 27-35	3.6	14
66	Hyperbaric oxygen pretreatment and preconditioning. <i>Undersea and Hyperbaric Medicine</i> , <b>2014</b> , 41, 259-63	3.9	14
65	Spirometry and oxidative stress after rebreather diving in warm water. <i>Undersea and Hyperbaric Medicine</i> , <b>2018</b> , 45, 191-198	0.9	13
64	Hyperbaric oxygen therapy modulates serum OPG/RANKL in femoral head necrosis patients. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 707-711	5.6	12
63	Effects of repetitive exposure to anesthetics and analgesics in the Tg2576 mouse Alzheimer $\beta$ model. <i>Neurotoxicity Research</i> , <b>2014</b> , 26, 414-21	4.3	12
62	Breath-hold diving: a point of view. <i>Sport Sciences for Health</i> , <b>2007</b> , 2, 47-54	1.3	12

61	The effect of isovolemic hemodilution with oxycte, a perfluorocarbon emulsion, on cerebral blood flow in rats. <i>PLoS ONE</i> , <b>2008</b> , 3, e2010	3.7	12
60	The effect of body temperature on the dynamic respiratory system compliance-breathing frequency relationship in the rat. <i>Journal of Biological Physics</i> , <b>2013</b> , 39, 411-8	1.6	11
59	The effect of acute exposure to hyperbaric oxygen on respiratory system mechanics in the rat. <i>Lung</i> , <b>2013</b> , 191, 459-66	2.9	10
58	The effect of body cooling on respiratory system mechanics and hysteresis in rats. <i>Respiratory Physiology and Neurobiology</i> , <b>2013</b> , 189, 52-8	2.8	10
57	Arterial blood gases in divers at surface after prolonged breath-hold. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 505-512	3.4	10
56	Change in Oxidative Stress Biomarkers During 30 Days in Saturation Dive: A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	10
55	Review on hyperbaric oxygen treatment in femoral head necrosis. <i>Undersea and Hyperbaric Medicine</i> , <b>2017</b> , 44, 497-508	0.9	9
54	Effects of the Ketogenic diet in overweight divers breathing Enriched Air Nitrox. <i>Scientific Reports</i> , <b>2018</b> , 8, 2655	4.9	8
53	Cardiovascular complications and mortality determinants in near drowning victims: A 5-year retrospective analysis. <i>Journal of Critical Care</i> , <b>2017</b> , 37, 237-239	4	8
52	Spirometry and oxidative stress after rebreather diving in warm water. <i>Undersea and Hyperbaric Medicine</i> , <b>2018</b> , 45, 191-198	0.9	8
51	Causes of ischemic electrocardiographic changes in near drowning: A literature review. <i>Journal of Critical Care</i> , <b>2015</b> , 30, 1121-3	4	7
50	The Effects of Different High-Protein Low-Carbohydrates Proprietary Foods on Blood Sugar in Healthy Subjects. <i>Journal of Medicinal Food</i> , <b>2016</b> , 19, 1085-1095	2.8	7
49	Hippocampal cellular loss after brief hypotension. <i>SpringerPlus</i> , <b>2013</b> , 2, 23		7
48	Femoral condylar necrosis: treatment with hyperbaric oxygen therapy. <i>Arthroplasty Today</i> , <b>2018</b> , 4, 510-515		7
47	Preconditioning with hyperbaric oxygen in pancreaticoduodenectomy: a randomized double-blind pilot study. <i>Anticancer Research</i> , <b>2014</b> , 34, 2899-906	2.3	7
46	Hypothermia attenuates NO production in anesthetized rats with endotoxemia. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2014</b> , 387, 659-65	3.4	6
45	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> , <b>2021</b> , 18,	4.6	6
44	Nitric Oxide and Oxidative Stress Changes at Depth in Breath-Hold Diving. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 609642	4.6	6

43	Osteonecrosis in Children and Adolescents With Acute Lymphoblastic Leukemia: Early Diagnosis and New Treatment Strategies. <i>Anticancer Research</i> , <b>2019</b> , 39, 1259-1266	2.3	5
42	Expertise level influences postural balance control in young gymnasts. <i>Journal of Sports Medicine and Physical Fitness</i> , <b>2019</b> , 59, 593-599	1.4	5
41	Body Composition and Endocrine Adaptations to High-Altitude Trekking in the Himalayas. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1211, 61-68	3.6	5
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> , <b>2015</b> , 88, 222-34	2.3	5
39	Hyperbaric air exposure at 2.5 ATA does not affect respiratory mechanics and lung histology in the rat. <i>Lung</i> , <b>2014</b> , 192, 609-14	2.9	5
38	Voluntary breath-holding in the morning and in the evening. <i>Clinical Science</i> , <b>2004</b> , 106, 347-52	6.5	5
37	Evidence-Supported HBO Therapy in Femoral Head Necrosis: A Systematic Review and Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	5
36	Sex Hormones Response to Physical Hyperoxic and Hyperbaric Stress in Male Scuba Divers: A Pilot Study. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1176, 53-62	3.6	3
35	Carbon monoxide intoxication: prehospital diagnosis and direct transfer to the hyperbaric chamber. <i>Minerva Anestesiologica</i> , <b>2019</b> , 85, 920-922	1.9	3
34	Clinical and morphological effects of hyperbaric oxygen therapy in patients with interstitial cystitis associated with fibromyalgia. <i>BMC Urology</i> , <b>2019</b> , 19, 108	2.2	3
33	Repetitive intraperitoneal caspase-3 inhibitor and anesthesia reduces neuronal damage. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2013</b> , 28, 1324-30	5.6	3
32	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> , <b>2017</b> , 32, 1-4	5.6	3
31	Performances in extreme environments: effects of hyper/hypobarism and hypogravity on skeletal muscle. <i>European Journal of Translational Myology</i> , <b>2010</b> , 20, 83	2.1	3
30	Blood Gas Analyses in Hyperbaric and Underwater Environments: A Systematic Review.. <i>Journal of Applied Physiology</i> , <b>2021</b> ,	3.7	3
29	Cave canem: HBO therapy efficacy on <i>Capnocytophaga canimorsus</i> infections: a case series. <i>Undersea and Hyperbaric Medicine</i> , <b>2017</b> , 44, 179-186	0.9	3
28	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> , <b>2021</b> , 22,	6.3	3
27	Effect of hyperbaric oxygenation and gemcitabine on apoptosis of pancreatic ductal tumor cells in vitro. <i>Anticancer Research</i> , <b>2013</b> , 33, 4827-32	2.3	3
26	Pathophysiological Responses to a Record-Breaking Multi-hour Underwater Endurance Performance: A Case Study. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1289, 79-88	3.6	2

25	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> , <b>2020</b> , 17,	4.6	2
24	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> , <b>2021</b> , 18,	4.6	2
23	Heart Rate Variability During a Standard Dive: A Role for Inspired Oxygen Pressure?. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 635132	4.6	2
22	Middle ear barotrauma during hyperbaric oxygen therapy; a review of occurrences in 5,962 patients. <i>Undersea and Hyperbaric Medicine</i> , <b>2019</b> , 46, 101-106	0.9	2
21	Isoflurane prevents learning deficiencies caused by brief hypoxia and hypotension in adult Sprague Dawley rats. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2014</b> , 29, 895-900	5.6	1
20	White Blood Cells, Platelets, Red Blood Cells and Gas Bubbles in SCUBA Diving: Is There a Relationship?. <i>Healthcare (Switzerland)</i> , <b>2022</b> , 10,	3.4	1
19	Oxidative stress and motion sickness in one crew during competitive offshore sailing.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1142	4.9	1
18	Hyperbaric Oxygen Pretreatment and Preconditioning <b>2017</b> , 541-544		1
17	Commentary on: "Targeted and untargeted metabolomics applied to occupational exposure to hyperbaric atmosphere". <i>Toxicology Letters</i> , <b>2020</b> , 330, 71-72	4.4	1
16	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> , <b>2021</b> , 18,	4.6	1
15	Short-Term Modifications of Postural Balance Control in Young Healthy Subjects After Moderate Aquatic and Land Treadmill Running. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1681	4.6	1
14	Endothelial Nitric Oxide Production and Antioxidant Response in Breath-Hold Diving: Genetic Predisposition or Environment Related?. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 692204	4.6	1
13	Serum Cardiac and Skeletal Muscle Marker Changes in Repetitive Breath-hold Diving. <i>Sports Medicine - Open</i> , <b>2021</b> , 7, 58	6.1	1
12	Effect of mild hyperbaric oxygen therapy on children diagnosed with autism. <i>Undersea and Hyperbaric Medicine</i> , <b>2018</b> , 45, 639-645	0.9	1
11	Identification and Measurement of Carbonic Anhydrase-II Molecule Numbers in the Rat Carotid Body. <i>Open Respiratory Medicine Journal</i> , <b>2009</b> , 3, 67-72	1.1	0
10	Internist, anesthesiologist and surgeon use of ketogenic diet. <i>Minerva Gastroenterology</i> , <b>2018</b> , 64, 84-93		0
9	HBO in Military Medicine <b>2017</b> , 567-576		
8	The Ketogenic Mediterranean Diet <b>2015</b> , 271-280		

- 7 Spirometry improvement after muscular exercise in elite swimmers. *Journal of Sports Medicine and Physical Fitness*, **2017**, 57, 1676-1679 1.4
- 6 Introducing a new entity: underwater 12-lead exercise ECG. *Journal of Sports Medicine and Physical Fitness*, **2017**, 57, 1721-1723 1.4
- 5 Critical velocity in swimmers of different ages. *Journal of Sports Medicine and Physical Fitness*, **2018**, 58, 1398-1402 1.4
- 4 The Effects of Erythropoietin on the Respiratory Function: Measurements of Respiratory Mechanics in the Rat. *Current Respiratory Medicine Reviews*, **2012**, 8, 448-453 0.3
- 3 Bebe Vio: On top of the world. *Undersea and Hyperbaric Medicine*, **2017**, 44, 79-80 0.9
- 2 Emergency Medicine Cases in Underwater and Hyperbaric Environments: The Use of Simulation as a Learning Technique. *Frontiers in Physiology*, **2021**, 12, 666503 4.6
- 1 Delayed Neurological Sequelae Successfully Treated with Adjuvant, Prolonged Hyperbaric Oxygen Therapy: Review and Case Report.. *International Journal of Environmental Research and Public Health*, **2022**, 19, 4.6