

# Gerardo Bosco

## List of Publications by Year in descending order

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Version: 2024-02-01

104  
papers

2,217  
citations

201674

27  
h-index

254184

43  
g-index

105  
all docs

105  
docs citations

105  
times ranked

2678  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ketosis, ketogenic diet and food intake control: a complex relationship. <i>Frontiers in Psychology</i> , 2015, 6, 27.	2.1	174
2	Ketogenic Diet in Neuromuscular and Neurodegenerative Diseases. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	162
3	Long Term Successful Weight Loss with a Combination Biphasic Ketogenic Mediterranean Diet and Mediterranean Diet Maintenance Protocol. <i>Nutrients</i> , 2013, 5, 5205-5217.	4.1	124
4	Hyperbaric Oxygen Therapy in Femoral Head Necrosis. <i>Journal of Arthroplasty</i> , 2010, 25, 118-123.	3.1	84
5	Evidence that chronic hypoxia causes reversible impairment on male fertility. <i>Asian Journal of Andrology</i> , 2008, 10, 602-606.	1.6	75
6	Mechanisms of action of hyperbaric oxygen therapy. <i>Undersea and Hyperbaric Medicine</i> , 2014, 41, 247-52.	0.3	70
7	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.	4.0	66
8	An overview of protective strategies against ischemia/reperfusion injury: The role of hyperbaric oxygen preconditioning. <i>Brain and Behavior</i> , 2018, 8, e00959.	2.2	66
9	Effects of n-3 Polyunsaturated Fatty Acids (1%-3) Supplementation on Some Cardiovascular Risk Factors with a Ketogenic Mediterranean Diet. <i>Marine Drugs</i> , 2015, 13, 996-1009.	4.6	63
10	Hyperbaric oxygenation alleviates MCAO-induced brain injury and reduces hydroxyl radical formation and glutamate release. <i>European Journal of Applied Physiology</i> , 2010, 108, 513-522.	2.5	57
11	Effects of Hypoxia on the Circadian Patterns in Men. <i>High Altitude Medicine and Biology</i> , 2003, 4, 305-318.	0.9	56
12	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, 101-107.	2.5	54
13	Hyperbaric O <sub>2</sub> reduces intestinal ischemia-reperfusion-induced TNF- $\alpha$ production and lung neutrophil sequestration. <i>European Journal of Applied Physiology</i> , 2001, 85, 96-103.	2.5	51
14	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.	5.2	46
15	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, 1256-1268.	1.7	45
16	Environmental Physiology and Diving Medicine. <i>Frontiers in Psychology</i> , 2018, 9, 72.	2.1	44
17	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, 1452.	4.1	41
18	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, 70-76.	1.9	38

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19	Effects of Twenty Days of the Ketogenic Diet on Metabolic and Respiratory Parameters in Healthy Subjects. <i>Lung</i> , 2015, 193, 939-945.	3.3	36
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.	3.8	35
21	Beneficial effect of hyperbaric oxygen pretreatment on lipopolysaccharide-induced shock in rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2003, 30, 482-488.	1.9	33
22	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> , 2014, 29, 297-302.	5.2	32
23	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, 1077-1083.	2.5	31
24	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, 303-308.	3.5	30
25	Arterial Blood Gas Analysis in Breath-Hold Divers at Depth. <i>Frontiers in Physiology</i> , 2018, 9, 1558.	2.8	30
26	Oxidative stress assessment in breath-hold diving. <i>European Journal of Applied Physiology</i> , 2019, 119, 2449-2456.	2.5	29
27	The Role of Hyperbaric Oxygen Treatment for COVID-19: A Review. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1289, 27-35.	1.6	28
28	Hyperbaric Oxygenation Ameliorates Indomethacin-Induced Enteropathy in Rats by Modulating TNF- $\alpha$ and IL-1 $\beta$ Production. <i>Digestive Diseases and Sciences</i> , 2006, 51, 1426-1433.	2.3	26
29	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.	5.2	25
30	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, 7118.	2.6	23
31	Pre-treatment with hyperbaric oxygenation reduces bubble formation and platelet activation. <i>Sport Sciences for Health</i> , 2006, 1, 122-128.	1.3	22
32	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, 9755.	2.6	22
33	Spirometry and oxidative stress after rebreather diving in warm water. <i>Undersea and Hyperbaric Medicine</i> , 2018, 45, 191-198.	0.3	22
34	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, 9600.	4.1	21
35	Hyperbaric oxygen pretreatment and preconditioning. <i>Undersea and Hyperbaric Medicine</i> , 2014, 41, 259-63.	0.3	18
36	Acute effects of whole-body vibration on running gait in marathon runners. <i>Journal of Sports Sciences</i> , 2014, 32, 1120-1126.	2.0	17

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37	Expertise level influences postural balance control in young gymnasts. <i>Journal of Sports Medicine and Physical Fitness</i> , 2019, 59, 593-599.	0.7	16
38	Arterial blood gases in divers at surface after prolonged breath-hold. <i>European Journal of Applied Physiology</i> , 2020, 120, 505-512.	2.5	15
39	Review on hyperbaric oxygen treatment in femoral head necrosis. <i>Undersea and Hyperbaric Medicine</i> , 2017, 44, 497-508.	0.3	15
40	Effects of Repetitive Exposure to Anesthetics and Analgesics in the Tg2576 Mouse Alzheimer's Model. <i>Neurotoxicity Research</i> , 2014, 26, 414-421.	2.7	14
41	The Effect of Isovolemic Hemodilution with Oxycyte®, a Perfluorocarbon Emulsion, on Cerebral Blood Flow in Rats. <i>PLoS ONE</i> , 2008, 3, e2010.	2.5	14
42	Breath-hold diving: a point of view. <i>Sport Sciences for Health</i> , 2007, 2, 47-54.	1.3	13
43	The Effect of Acute Exposure to Hyperbaric Oxygen on Respiratory System Mechanics in the Rat. <i>Lung</i> , 2013, 191, 459-466.	3.3	13
44	Effects of the Ketogenic diet in overweight divers breathing Enriched Air Nitrox. <i>Scientific Reports</i> , 2018, 8, 2655.	3.3	13
45	Osteonecrosis in Children and Adolescents With Acute Lymphoblastic Leukemia: Early Diagnosis and New Treatment Strategies. <i>Anticancer Research</i> , 2019, 39, 1259-1266.	1.1	13
46	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, 2888.	2.6	12
47	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, 411-418.	1.5	11
48	The effect of body cooling on respiratory system mechanics and hysteresis in rats. <i>Respiratory Physiology and Neurobiology</i> , 2013, 189, 52-58.	1.6	11
49	Body Composition and Endocrine Adaptations to High-Altitude Trekking in the Himalayas. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1211, 61-68.	1.6	11
50	Hyperbaric Oxygen Pretreatment and Preconditioning. , 2017, , 541-544.		11
51	Causes of ischemic electrocardiographic changes in near drowning: A literature review. <i>Journal of Critical Care</i> , 2015, 30, 1121-1123.	2.2	10
52	Femoral condylar necrosis: treatment with hyperbaric oxygen therapy. <i>Arthroplasty Today</i> , 2018, 4, 510-515.	1.6	10
53	Nitric Oxide and Oxidative Stress Changes at Depth in Breath-Hold Diving. <i>Frontiers in Physiology</i> , 2020, 11, 609642.	2.8	10
54	Spirometry and oxidative stress after rebreather diving in warm water. <i>Undersea and Hyperbaric Medicine</i> , 2018, 45, 191-198.	0.3	10

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55	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.	1.5	9
56	Cardiovascular complications and mortality determinants in near drowning victims: A 5-year retrospective analysis. <i>Journal of Critical Care</i> , 2017, 37, 237-239.	2.2	9
57	Hippocampal cellular loss after brief hypotension. <i>SpringerPlus</i> , 2013, 2, 23.	1.2	8
58	Hyperbaric Air Exposure at 2.5 ATA Does Not Affect Respiratory Mechanics and Lung Histology in the Rat. <i>Lung</i> , 2014, 192, 609-614.	3.3	8
59	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, 222-234.	1.5	8
60	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.	5.2	8
61	Serum Cardiac and Skeletal Muscle Marker Changes in Repetitive Breath-hold Diving. <i>Sports Medicine - Open</i> , 2021, 7, 58.	3.1	8
62	Clinical and morphological effects of hyperbaric oxygen therapy in patients with interstitial cystitis associated with fibromyalgia. <i>BMC Urology</i> , 2019, 19, 108.	1.4	7
63	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.	1.6	7
64	Full-Face Mask Use during SCUBA Diving Counters Related Oxidative Stress and Endothelial Dysfunction. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 965.	2.6	7
65	Preconditioning with hyperbaric oxygen in pancreaticoduodenectomy: a randomized double-blind pilot study. <i>Anticancer Research</i> , 2014, 34, 2899-906.	1.1	7
66	Voluntary breath-holding in the morning and in the evening. <i>Clinical Science</i> , 2004, 106, 347-352.	4.3	6
67	Hypothermia attenuates NO production in anesthetized rats with endotoxemia. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014, 387, 659-665.	3.0	6
68	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, 413.	2.6	6
69	Blood gas analyses in hyperbaric and underwater environments: a systematic review. <i>Journal of Applied Physiology</i> , 2022, 132, 283-293.	2.5	6
70	Aerobic demand and scuba diving: concerns about medical evaluation. <i>Diving and Hyperbaric Medicine</i> , 2014, 44, 61-3.	0.5	6
71	Lifespan and ROS levels in different <i>Drosophila melanogaster</i> strains after 24 h hypoxia exposure. <i>Biology Open</i> , 2022, 11, .	1.2	6
72	Repetitive intraperitoneal caspase-3 inhibitor and anesthesia reduces neuronal damage. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 1324-1330.	5.2	5

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73	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). International Journal of Environmental Research and Public Health, 2020, 17, 574.	2.6	5
74	Oxidative stress and motion sickness in one crew during competitive offshore sailing. Scientific Reports, 2022, 12, 1142.	3.3	5
75	Effect of hyperbaric oxygenation and gemcitabine on apoptosis of pancreatic ductal tumor cells in vitro. Anticancer Research, 2013, 33, 4827-32.	1.1	5
76	Carbon monoxide intoxication: prehospital diagnosis and direct transfer to the hyperbaric chamber. Minerva Anestesiologica, 2019, 85, 920-922.	1.0	4
77	Heart Rate Variability During a Standard Dive: A Role for Inspired Oxygen Pressure?. Frontiers in Physiology, 2021, 12, 635132.	2.8	4
78	Endothelial Nitric Oxide Production and Antioxidant Response in Breath-Hold Diving: Genetic Predisposition or Environment Related?. Frontiers in Physiology, 2021, 12, 692204.	2.8	4
79	Identification and Measurement of Carbonic Anhydrase-II Molecule Numbers in the Rat Carotid Body. Open Respiratory Medicine Journal, 2009, 3, 67-72.	0.4	3
80	Performances in extreme environments: effects of hyper/hypobarism and hypogravity on skeletal muscle. European Journal of Translational Myology, 2010, 20, 83.	1.7	3
81	Short-Term Modifications of Postural Balance Control in Young Healthy Subjects After Moderate Aquatic and Land Treadmill Running. Frontiers in Physiology, 2018, 9, 1681.	2.8	3
82	Quality Improvement Project of a Massive Transfusion Protocol (MTP) to Reduce Wastage of Blood Components. International Journal of Environmental Research and Public Health, 2021, 18, 274.	2.6	3
83	Cave canem: HBO2 therapy efficacy on Capnocytophaga canimorsus infections: a case series. Undersea and Hyperbaric Medicine, 2017, 44, 179-186.	0.3	3
84	Middle ear barotrauma during hyperbaric oxygen therapy; a review of occurrences in 5,962 patients. Undersea and Hyperbaric Medicine, 2019, 46, 101-106.	0.3	3
85	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, 5300.	2.6	3
86	Isoflurane prevents learning deficiencies caused by brief hypoxia and hypotension in adult Sprague Dawley rats. Journal of Enzyme Inhibition and Medicinal Chemistry, 2014, 29, 895-900.	5.2	2
87	Pathophysiological Responses to a Record-Breaking Multi-hour Underwater Endurance Performance: A Case Study. Advances in Experimental Medicine and Biology, 2020, 1289, 79-88.	1.6	2
88	White Blood Cells, Platelets, Red Blood Cells and Gas Bubbles in SCUBA Diving: Is There a Relationship?. Healthcare (Switzerland), 2022, 10, 182.	2.0	2
89	Spirometry improvement after muscular exercise in elite swimmers. Journal of Sports Medicine and Physical Fitness, 2017, 57, 1676-1679.	0.7	1
90	Therapeutic Mechanisms of Action for Hyperbaric Oxygen on Femoral Head Necrosis. , 0, , .		1

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91	Emergency Medicine Cases in Underwater and Hyperbaric Environments: The Use of in situ Simulation as a Learning Technique. <i>Frontiers in Physiology</i> , 2021, 12, 666503.	2.8	1
92	Commentary on: “Targeted and untargeted metabolomics applied to occupational exposure to hyperbaric atmosphere” <i>Toxicology Letters</i> , 2020, 330, 71-72.	0.8	1
93	Internist, anesthesiologist and surgeon use of ketogenic diet. <i>Minerva Gastroenterology</i> , 2017, 64, 84-93.	0.5	1
94	Effect of mild hyperbaric oxygen therapy on children diagnosed with autism. <i>Undersea and Hyperbaric Medicine</i> , 2018, 45, 639-645.	0.3	1
95	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.	0.2	0
96	The Ketogenic Mediterranean Diet. , 2015, , 271-280.		0
97	HBO in Military Medicine. , 2017, , 567-576.		0
98	Introducing a new entity: underwater 12-lead exercise ECG. <i>Journal of Sports Medicine and Physical Fitness</i> , 2017, 57, 1721-1723.	0.7	0
99	Critical velocity in swimmers of different ages. <i>Journal of Sports Medicine and Physical Fitness</i> , 2018, 58, 1398-1402.	0.7	0
100	Bebe Vio: On top of the world. <i>Undersea and Hyperbaric Medicine</i> , 2017, 44, 79-80.	0.3	0
101	Stress-relaxation due to respiratory system tissue viscoelasticity: an update. <i>Minerva Respiratory Medicine</i> , 2017, 56, .	0.2	0
102	Beneficial effect of hyperbaric oxygenation in avascular necrosis of the femoral head. <i>Gazzetta Medica Italiana Archivio Per Le Scienze Mediche</i> , 2018, 177, .	0.1	0
103	A review of the effects of calcium channels blockers on airway smooth muscle activity and respiratory mechanics. <i>Minerva Pneumologica</i> , 2019, 57, .	1.6	0
104	Psychophysiological factors in prolonged scuba-diving: a longitudinal case study of an elite diver. <i>Gazzetta Medica Italiana Archivio Per Le Scienze Mediche</i> , 2021, 180, .	0.1	0