

# Richard E Moon

## 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.

121 papers	3,356 citations	28 h-index	56 g-index
134 ext. papers	3,833 ext. citations	4.8 avg, IF	4.98 L-index

#	Paper	IF	Citations
121	Pulmonary gas exchange in humans exercising at sea level and simulated altitude. <i>Journal of Applied Physiology</i> , <b>1986</b> , 61, 260-70	3.7	403
120	Nitric oxide in the human respiratory cycle. <i>Nature Medicine</i> , <b>2002</b> , 8, 711-7	50.5	391
119	Decompression illness. <i>Lancet, The</i> , <b>2011</b> , 377, 153-64	40	313
118	Reduced length of hospital stay in colorectal surgery after implementation of an enhanced recovery protocol. <i>Anesthesia and Analgesia</i> , <b>2014</b> , 118, 1052-61	3.9	230
117	Obstructive sleep apnea and incidence of postoperative delirium after elective knee replacement in the nondemented elderly. <i>Anesthesiology</i> , <b>2012</b> , 116, 788-96	4.3	122
116	Hyperbaric oxygen treatment and bisphosphonate-induced osteonecrosis of the jaw: a case series. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2007</b> , 65, 1321-7	1.8	114
115	What is the role of hyperbaric oxygen in the management of bisphosphonate-related osteonecrosis of the jaw: a randomized controlled trial of hyperbaric oxygen as an adjunct to surgery and antibiotics. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2012</b> , 70, 1573-83	1.8	99
114	Human Physiology in an Aquatic Environment. <i>Comprehensive Physiology</i> , <b>2015</b> , 5, 1705-50	7.7	89
113	Cerebral oxygen availability by NIR spectroscopy during transient hypoxia in humans. <i>Journal of Applied Physiology</i> , <b>1990</b> , 69, 907-13	3.7	80
112	Outcome analysis in patients with primary necrotizing fasciitis of the male genitalia. <i>Urology</i> , <b>2000</b> , 56, 31-5; discussion 35-6	1.6	69
111	Perfluoropropane gas as a magnetic resonance lung imaging contrast agent in humans. <i>Chest</i> , <b>2013</b> , 144, 1300-1310	5.3	63
110	Carbon monoxide, skeletal muscle oxidative stress, and mitochondrial biogenesis in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 297, H392-9	5.2	63
109	A prospective comparison of a noninvasive cardiac output monitor versus esophageal Doppler monitor for goal-directed fluid therapy in colorectal surgery patients. <i>Anesthesia and Analgesia</i> , <b>2014</b> , 118, 966-75	3.9	58
108	Should hyperbaric oxygen be used to treat the pregnant patient for acute carbon monoxide poisoning? A case report and literature review. <i>JAMA - Journal of the American Medical Association</i> , <b>1989</b> , 261, 1039-43	27.4	51
107	Immersion pulmonary edema and comorbidities: case series and updated review. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 1128-34	1.2	45
106	Swimming-Induced Pulmonary Edema: Pathophysiology and Risk Reduction With Sildenafil. <i>Circulation</i> , <b>2016</b> , 133, 988-96	16.7	44
105	Neuroimaging of scuba diving injuries to the CNS. <i>American Journal of Roentgenology</i> , <b>1988</b> , 151, 1003-8	5.4	42

104	Hyperbaric oxygen therapy in necrotising soft tissue infections: a study of patients in the United States Nationwide Inpatient Sample. <i>Intensive Care Medicine</i> , <b>2012</b> , 38, 1143-51	14.5	40
103	Laryngeal radionecrosis and hyperbaric oxygen therapy: report of 18 cases and review of the literature. <i>Annals of Otology, Rhinology and Laryngology</i> , <b>2000</b> , 109, 554-62	2.1	38
102	Treatment of cervical necrotizing fasciitis with hyperbaric oxygen therapy. <i>Otolaryngology - Head and Neck Surgery</i> , <b>1995</b> , 112, 274-8	5.5	37
101	Effects of head and body cooling on hemodynamics during immersed prone exercise at 1 ATA. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 691-700	3.7	34
100	Brown recluse spider envenomation: a prospective trial of hyperbaric oxygen therapy. <i>Academic Emergency Medicine</i> , <b>1997</b> , 4, 184-92	3.4	33
99	Natural surfactant and hyperoxic lung injury in primates. I. Physiology and biochemistry. <i>Journal of Applied Physiology</i> , <b>1994</b> , 76, 991-1001	3.7	33
98	Fractal response of physiological signals to stress conditions, environmental changes, and neurodegenerative diseases. <i>Complexity</i> , <b>2007</b> , 12, 12-17	1.6	32
97	Treatment of diving emergencies. <i>Critical Care Clinics</i> , <b>1999</b> , 15, 429-56	4.5	32
96	The physiology of decompression illness. <i>Scientific American</i> , <b>1995</b> , 273, 70-7	0.5	32
95	Environmental Physiology and Diving Medicine. <i>Frontiers in Psychology</i> , <b>2018</b> , 9, 72	3.4	31
94	Pulmonary gas exchange in diving. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 668-77	3.7	29
93	The independently fractal nature of respiration and heart rate during exercise under normobaric and hyperbaric conditions. <i>Respiratory Physiology and Neurobiology</i> , <b>2005</b> , 145, 219-33	2.8	26
92	Bubbles in the brain: what to do for arterial gas embolism?. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 909-10	1.4	26
91	Hyperoxia-induced tissue hypoxia: a danger?. <i>Anesthesiology</i> , <b>2007</b> , 106, 1051-5	4.3	25
90	The relationship between ionized and total serum magnesium concentrations during abdominal surgery. <i>Journal of Clinical Anesthesia</i> , <b>2003</b> , 15, 245-9	1.9	25
89	Deaths in triathletes: immersion pulmonary oedema as a possible cause. <i>BMJ Open Sport and Exercise Medicine</i> , <b>2016</b> , 2, e000146	3.4	25
88	Effects of age and exercise on physiological dead space during simulated dives at 2.8 ATA. <i>Journal of Applied Physiology</i> , <b>2003</b> , 94, 507-17	3.7	24
87	Diagnosis of Swimming Induced Pulmonary Edema-A Review. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 652	4.6	22

86	Extubation after transsternal thymectomy for myasthenia gravis: a prospective analysis. <i>Southern Medical Journal</i> , <b>1991</b> , 84, 701-6	0.6	22
85	Drowning and near-drowning. <i>EMA - Emergency Medicine Australasia</i> , <b>2002</b> , 14, 377-86	1.5	21
84	Predictors of increased PaCO <sub>2</sub> during immersed prone exercise at 4.7 ATA. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 316-25	3.7	20
83	Increased wedge pressure facilitates decreased lung vascular resistance during upright exercise. <i>Chest</i> , <b>1988</b> , 93, 97S-99S	5.3	20
82	Effects of hyperoxia on ventilation and pulmonary hemodynamics during immersed prone exercise at 4.7 ATA: possible implications for immersion pulmonary edema. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 68-78	3.7	20
81	Arterial Blood Gas Analysis in Breath-Hold Divers at Depth. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1558	4.6	20
80	Risk factors for immersion pulmonary edema: hyperoxia does not attenuate pulmonary hypertension associated with cold water-immersed prone exercise at 4.7 ATA. <i>Journal of Applied Physiology</i> , <b>2011</b> , 110, 610-8	3.7	19
79	Multimodality surgical and hyperbaric management of mandibular osteoradionecrosis. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2009</b> , 75, 717-24	4	19
78	Effects of elevated oxygen and carbon dioxide partial pressures on respiratory function and cognitive performance. <i>Journal of Applied Physiology</i> , <b>2014</b> , 117, 406-12	3.7	18
77	The HO-1/CO system regulates mitochondrial-capillary density relationships in human skeletal muscle. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2015</b> , 309, L857-71	5.8	16
76	General anesthesia and hyperkalemic periodic paralysis. <i>Anesthesiology</i> , <b>1989</b> , 71, 303-4	4.3	16
75	Enhanced recovery protocols for colorectal surgery and postoperative renal function: a retrospective review. <i>Perioperative Medicine (London, England)</i> , <b>2017</b> , 6, 13	2.8	15
74	Assessment of the interaction of hyperbaric N <sub>2</sub> , CO <sub>2</sub> , and O <sub>2</sub> on psychomotor performance in divers. <i>Journal of Applied Physiology</i> , <b>2016</b> , 121, 953-964	3.7	15
73	Cerebral Arterial Gas Embolism During Upper Endoscopy. <i>A &amp; A Case Reports</i> , <b>2015</b> , 5, 93-4		14
72	Artificial surfactant attenuates hyperoxic lung injury in primates. I. Physiology and biochemistry. <i>Journal of Applied Physiology</i> , <b>1995</b> , 78, 1816-22	3.7	14
71	Barotrauma and air embolism in hyperbaric oxygen therapy. <i>American Journal of Forensic Medicine and Pathology</i> , <b>1990</b> , 11, 149-53	1	14
70	Accidental epidural overdose of hydromorphone. <i>Anesthesiology</i> , <b>1985</b> , 63, 238-9	4.3	12
69	Sildenafil: Possible Prophylaxis against Swimming-induced Pulmonary Edema. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 1755-1757	1.2	10

68	Cause of CO poisoning, relation to halogenated agents still not clear. <i>Journal of Clinical Monitoring and Computing</i> , <b>1995</b> , 11, 67-71		10
67	MRI of absent left pulmonary artery. <i>Journal of Computer Assisted Tomography</i> , <b>1992</b> , 16, 641-5	2.2	10
66	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
65	Pharmacologic Targeting of Red Blood Cells to Improve Tissue Oxygenation. <i>Clinical Pharmacology and Therapeutics</i> , <b>2018</b> , 104, 553-563	6.1	10
64	Otorhinolaryngology and Diving-Part 1: Otorhinolaryngological Hazards Related to Compressed Gas Scuba Diving: A Review. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , <b>2018</b> , 144, 252-258	3.9	9
63	Commentaries on Viewpoint: Why do some patients stop breathing after taking narcotics? Ventilatory chemosensitivity as a predictor of opioid-induced respiratory depression. <i>Journal of Applied Physiology</i> , <b>2015</b> , 119, 420-2	3.7	9
62	Blood glucose meter performance under hyperbaric oxygen conditions. <i>Clinica Chimica Acta</i> , <b>2001</b> , 305, 81-7	6.2	9
61	Monaghan 225 ventilator use under hyperbaric conditions. <i>Chest</i> , <b>1986</b> , 89, 846-51	5.3	9
60	Hyperbaric treatment of air or gas embolism: current recommendations. <i>Undersea and Hyperbaric Medicine</i> , <b>2019</b> , 673-683	0.9	9
59	Association between Serum IGF-I levels and Postoperative Delirium in Elderly Subjects Undergoing Elective Knee Arthroplasty. <i>Scientific Reports</i> , <b>2016</b> , 6, 20736	4.9	9
58	Hyperbaric treatment of air or gas embolism: current recommendations. <i>Undersea and Hyperbaric Medicine</i> , <b>2019</b> , 46, 673-683	0.9	9
57	Changes in the lung after prolonged positive pressure ventilation in normal baboons. <i>Journal of Critical Care</i> , <b>1997</b> , 12, 72-82	4	8
56	Decompression illness diagnosis and decompression study design. <i>Aviation, Space, and Environmental Medicine</i> , <b>2008</b> , 79, 797-8		7
55	Hypercapnia in diving: a review of CO <sub>2</sub> retention in submersed exercise at depth. <i>Undersea and Hyperbaric Medicine</i> , <b>2017</b> , 44, 191-209	0.9	7
54	Marriage and mortality after noncardiac surgery. <i>Journal of Surgical Research</i> , <b>2017</b> , 210, 152-158	2.5	5
53	A randomized controlled pilot study of VO max testing: a potential model for measuring relative in vivo efficacy of different red blood cell products. <i>Transfusion</i> , <b>2017</b> , 57, 630-636	2.9	5
52	Nitroglycerine: relief from the heartache of decompression sickness?. <i>Journal of Applied Physiology</i> , <b>2006</b> , 101, 1537-8	3.7	5
51	Carbon monoxide poisoning in the aftermath of hurricane Fran. <i>American Journal of Public Health</i> , <b>1999</b> , 89, 112	5.1	5

50	VA/Q abnormalities during gram negative sepsis. <i>Respiration Physiology</i> , <b>1996</b> , 105, 109-21		5
49	Initial treatment of patients with extensive trauma. <i>New England Journal of Medicine</i> , <b>1991</b> , 325, 1444-6	59.2	5
48	Hyperbaric oxygen therapy for radiation necrosis of the jaw: comments on a randomized study. <i>Undersea and Hyperbaric Medicine</i> , <b>2005</b> , 32, 145-7	0.9	5
47	Neurology and diving. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2014</b> , 120, 959-69	3	4
46	Treatment of Decompression Illness <b>2000</b> , 195-223		4
45	Successful treatment of pneumatosis intestinalis with associated pneumoperitoneum and ileus with hyperbaric oxygen therapy. <i>BMJ Case Reports</i> , <b>2017</b> , 2017,	0.9	4
44	A methodology to explore ventilatory chemosensitivity and opioid-induced respiratory depression risk. <i>Journal of Applied Physiology</i> , <b>2020</b> , 129, 500-507	3.7	4
43	Adjunctive therapy for decompression illness: a review and update. <i>Diving and Hyperbaric Medicine</i> , <b>2009</b> , 39, 81-7	1	4
42	Blood Gas Analyses in Hyperbaric and Underwater Environments: A Systematic Review.. <i>Journal of Applied Physiology</i> , <b>2021</b> ,	3.7	3
41	The Dewey monitor: Pulse oximetry can independently detect hypoxia in a rebreather diver. <i>Undersea and Hyperbaric Medicine</i> , <b>2017</b> , 44, 569-580	0.9	3
40	Arterial gas embolism breathing compressed air in 1.2 metres of water. <i>Diving and Hyperbaric Medicine</i> , <b>2020</b> , 50, 292-294	1	3
39	Hyperbaric treatment for decompression sickness: current recommendations. <i>Undersea and Hyperbaric Medicine</i> , <b>2019</b> , 46, 685-693	0.9	3
38	Otorhinolaryngology and Diving-Part 2: Otorhinolaryngological Fitness for Compressed Gas Scuba Diving: A Review. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , <b>2018</b> , 144, 259-263	3.9	2
37	Pulmonary Delivery of Therapeutic and Diagnostic Gases. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2018</b> , 31, 78-87	3.8	2
36	Did the crew of the submarine H.L. Hunley suffocate?. <i>Forensic Science International</i> , <b>2016</b> , 260, 59-65	2.6	2
35	Last Word on Viewpoint: Why do some patients stop breathing after taking narcotics? Ventilatory chemosensitivity as a predictor of opioid-induced respiratory depression. <i>Journal of Applied Physiology</i> , <b>2015</b> , 119, 426	3.7	2
34	Hyperbaric Medicine: An Integral Part of Trauma Care. <i>Critical Care Clinics</i> , <b>1990</b> , 6, 203-219	4.5	2
33	Pulmonary edema in a young, healthy woman. <i>Chest</i> , <b>1987</b> , 92, 385-6	5.3	2

32	Hyperoxia-induced Decrease in Organ Blood Flow. <i>Anesthesiology</i> , <b>2008</b> , 108, 169-170	4.3	2
31	Hyperbaric oxygen for decompression sickness: 2021 update. <i>Undersea and Hyperbaric Medicine</i> , <b>2021</b> , 195-203	0.9	2
30	Blue Vision (Cyanopsia) Associated With TURP Syndrome: A Case Report. <i>A&amp;A Practice</i> , <b>2018</b> , 11, 279-281	0.8	2
29	Iatrogenic cerebral gas embolism. <i>Diving and Hyperbaric Medicine</i> , <b>2016</b> , 46, 119	1	2
28	Ultrasound in decompression research: fundamentals, considerations, and future technologies. <i>Undersea and Hyperbaric Medicine</i> , <b>2021</b> , 48, 59-72	0.9	2
27	Decompression Sickness and Arterial Gas Embolism.. <i>New England Journal of Medicine</i> , <b>2022</b> , 386, 1254-1264	3.64	2
26	An Undiagnosed Paraganglioma in a 58-Year-Old Female Who Underwent Tumor Resection. <i>Case Reports in Anesthesiology</i> , <b>2017</b> , 2017, 5796409	0.5	1
25	Using the Electronic Medical Record to Improve Preoperative Identification of Patients at Risk for Obstructive Sleep Apnea. <i>Journal of Perianesthesia Nursing</i> , <b>2019</b> , 34, 51-59	1.3	1
24	Decompression Sickness <b>2008</b> , 283-319		1
23	The Dewey Monitor: Pulse Oximetry can Warn of Hypoxia in an Immersed Rebreather Diver in Multiple Scenarios.. <i>Annals of Biomedical Engineering</i> , <b>2022</b> , 50, 222	4.7	1
22	Non-dysbaric arterial gas embolism associated with chronic necrotizing pneumonia, bullae and coughing: a case report. <i>Undersea and Hyperbaric Medicine</i> , <b>2017</b> , 44, 73-77	0.9	1
21	Clinical Care in Extreme Environments: At High and Low Pressure and in Space <b>2010</b> , 2485-2515		1
20	Hyperoxia-induced brain ischemia: the Strawman comes up short. <i>Canadian Journal of Anaesthesia</i> , <b>2021</b> , 68, 150-151	3	1
19	Physiologic and biochemical rationale for treating COVID-19 patients with hyperbaric oxygen. <i>Undersea and Hyperbaric Medicine</i> , <b>2021</b> , 48, 1-12	0.9	1
18	Hyperbaric oxygen for intracranial abscess. <i>Undersea and Hyperbaric Medicine</i> , <b>2021</b> , 48, 97-102	0.9	1
17	Efficacy of Hyperbaric Oxygen for Carbon Monoxide Poisoning. <i>Chest</i> , <b>2018</b> , 153, 764	5.3	0
16	Cardio-Respiratory tolerability of perfluoropropaneEnhanced MRI of pulmonary ventilation. <i>Journal of Lung, Pulmonary &amp; Respiratory Research</i> , <b>2020</b> , 7, 107-115	0.5	0
15	Randomized controlled trial of 7, 28, vs 42 day stored red blood cell transfusion on oxygen delivery (VO max) and exercise duration. <i>Transfusion</i> , <b>2021</b> , 61, 699-707	2.9	0

14	Immersion-Induced Mitral Regurgitation: A Novel Risk Factor for Swimming-Induced Pulmonary Edema.. <i>Chest</i> , <b>2022</b> , 161, e137-e143	5.3	0
13	Spontaneous Absorption of Cerebral Air Emboli. <i>Journal of Cerebrovascular and Endovascular Neurosurgery</i> , <b>2017</b> , 19, 52-53	0.7	
12	Follow-up to Nonfatal Opioid Overdoses. <i>Annals of Internal Medicine</i> , <b>2016</b> , 165, 377-8	8	
11	Textbook plagiarism reform. <i>Anesthesia and Analgesia</i> , <b>2014</b> , 119, 749-750	3.9	
10	Carbon monoxide poisoning in smoke inhalation. <i>Journal of Clinical Anesthesia</i> , <b>1990</b> , 2, 288-90	1.9	
9	Reply to Drs. Wang et al. <i>Journal of Applied Physiology</i> , <b>2020</b> , 129, 933	3.7	
8	Central nervous system oxygen toxicity during 100% oxygen breathing at normobaric pressure. <i>Diving and Hyperbaric Medicine</i> , <b>2020</b> , 50, 306	1	
7	Central nervous system oxygen toxicity during 100% oxygen breathing at normobaric pressure. <i>Diving and Hyperbaric Medicine</i> , <b>2020</b> , 50, 306-306	1	
6	A1102 EFFECT OF INCREASED AIRWAYS RESISTANCE AND PULMONARY VASCULAR ENGORGEMENT ON PULMONARY GAS EXCHANGE. <i>Anesthesiology</i> , <b>1997</b> , 87, 1102A	4.3	
5	Immediate Treatment of the Drowned Diver <b>2014</b> , 1113-1114		
4	Diving <b>2022</b> , 209-218		
3	A fully automated method for late ventricular diastole frame selection in post-dive echocardiography without ECG gating. <i>Undersea and Hyperbaric Medicine</i> , <b>2021</b> , 48, 73-80	0.9	
2	Hyperbaric oxygen for decompression sickness. <i>Undersea and Hyperbaric Medicine</i> , <b>2021</b> , 48, 195-203	0.9	
1	Safety evaluation of carbon tetrafluoride as an inert hyperbaric breathing gas in Sprague-Dawley rats.. <i>Toxicology and Applied Pharmacology</i> , <b>2022</b> , 116023	4.6	