

# Richard E Moon

## List of Publications by Year in descending order

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127  
papers

4,270  
citations

147566

31  
h-index

118652

62  
g-index

134  
all docs

134  
docs citations

134  
times ranked

3578  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulmonary gas exchange in humans exercising at sea level and simulated altitude. <i>Journal of Applied Physiology</i> , 1986, 61, 260-270.	1.2	451
2	Nitric oxide in the human respiratory cycle. <i>Nature Medicine</i> , 2002, 8, 711-717.	15.2	445
3	Decompression illness. <i>Lancet, The</i> , 2011, 377, 153-164.	6.3	392
4	Reduced Length of Hospital Stay in Colorectal Surgery after Implementation of an Enhanced Recovery Protocol. <i>Anesthesia and Analgesia</i> , 2014, 118, 1052-1061.	1.1	298
5	Obstructive Sleep Apnea and Incidence of Postoperative Delirium after Elective Knee Replacement in the Nondemented Elderly. <i>Anesthesiology</i> , 2012, 116, 788-796.	1.3	165
6	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> , 2012, 70, 1573-1583.	0.5	132
7	Hyperbaric Oxygen Treatment and Bisphosphonate-Induced Osteonecrosis of the Jaw: A Case Series. <i>Journal of Oral and Maxillofacial Surgery</i> , 2007, 65, 1321-1327.	0.5	126
8	Human Physiology in an Aquatic Environment. , 2015, 5, 1705-1750.		120
9	Cerebral oxygen availability by NIR spectroscopy during transient hypoxia in humans. <i>Journal of Applied Physiology</i> , 1990, 69, 907-913.	1.2	96
10	Outcome analysis in patients with primary necrotizing fasciitis of the male genitalia. <i>Urology</i> , 2000, 56, 31-35.	0.5	87
11	Perfluoropropane Gas as a Magnetic Resonance Lung Imaging Contrast Agent in Humans. <i>Chest</i> , 2013, 144, 1300-1310.	0.4	76
12	Swimming-Induced Pulmonary Edema. <i>Circulation</i> , 2016, 133, 988-996.	1.6	71
13	Carbon monoxide, skeletal muscle oxidative stress, and mitochondrial biogenesis in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H392-H399.	1.5	70
14	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> , 2014, 118, 966-975.	1.1	70
15	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> , 1989, 261, 1039-1043.	3.8	65
16	Neuroimaging of scuba diving injuries to the CNS. <i>American Journal of Roentgenology</i> , 1988, 151, 1003-1008.	1.0	61
17	The Physiology of Decompression Illness. <i>Scientific American</i> , 1995, 273, 70-77.	1.0	59
18	Hyperbaric oxygen therapy in necrotising soft tissue infections: a study of patients in the United States Nationwide Inpatient Sample. <i>Intensive Care Medicine</i> , 2012, 38, 1143-1151.	3.9	59

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19	Immersion Pulmonary Edema and Comorbidities. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1128-1134.	0.2	58
20	Laryngeal Radionecrosis and Hyperbaric Oxygen Therapy: Report of 18 Cases and Review of the Literature. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2000, 109, 554-562.	0.6	49
21	Treatment of cervical necrotizing fasciitis with hyperbaric oxygen therapy. <i>Otolaryngology - Head and Neck Surgery</i> , 1995, 112, 274-278.	1.1	46
22	Effects of head and body cooling on hemodynamics during immersed prone exercise at 1 ATA. <i>Journal of Applied Physiology</i> , 2009, 106, 691-700.	1.2	45
23	Decompression Sickness and Arterial Gas Embolism. <i>New England Journal of Medicine</i> , 2022, 386, 1254-1264.	13.9	45
24	Pulmonary gas exchange in diving. <i>Journal of Applied Physiology</i> , 2009, 106, 668-677.	1.2	44
25	Environmental Physiology and Diving Medicine. <i>Frontiers in Psychology</i> , 2018, 9, 72.	1.1	44
26	Diagnosis of Swimming Induced Pulmonary Edema—A Review. <i>Frontiers in Physiology</i> , 2017, 8, 652.	1.3	43
27	Fractal response of physiological signals to stress conditions, environmental changes, and neurodegenerative diseases. <i>Complexity</i> , 2007, 12, 12-17.	0.9	42
28	Natural surfactant and hyperoxic lung injury in primates. I. Physiology and biochemistry. <i>Journal of Applied Physiology</i> , 1994, 76, 991-1001.	1.2	38
29	Brown Recluse Spider Envenomation: A Prospective Trial of Hyperbaric Oxygen Therapy. <i>Academic Emergency Medicine</i> , 1997, 4, 184-192.	0.8	37
30	TREATMENT OF DIVING EMERGENCIES. <i>Critical Care Clinics</i> , 1999, 15, 429-456.	1.0	37
31	Bubbles in the brain: What to do for arterial gas embolism?*. <i>Critical Care Medicine</i> , 2005, 33, 909-910.	0.4	33
32	Deaths in triathletes: immersion pulmonary oedema as a possible cause. <i>BMJ Open Sport and Exercise Medicine</i> , 2016, 2, e000146.	1.4	33
33	Drowning and near-drowning. <i>EMA - Emergency Medicine Australasia</i> , 2002, 14, 377-386.	0.5	32
34	Effects of age and exercise on physiological dead space during simulated dives at 2.8 ATA. <i>Journal of Applied Physiology</i> , 2003, 94, 507-517.	1.2	31
35	Arterial Blood Gas Analysis in Breath-Hold Divers at Depth. <i>Frontiers in Physiology</i> , 2018, 9, 1558.	1.3	30
36	The relationship between ionized and total serum magnesium concentrations during abdominal surgery. <i>Journal of Clinical Anesthesia</i> , 2003, 15, 245-249.	0.7	29

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37	The independently fractal nature of respiration and heart rate during exercise under normobaric and hyperbaric conditions. <i>Respiratory Physiology and Neurobiology</i> , 2005, 145, 219-233.	0.7	29
38	Hyperoxia-induced Tissue Hypoxia. <i>Anesthesiology</i> , 2007, 106, 1051-1055.	1.3	29
39	Barotrauma and Air Embolism in Hyperbaric Oxygen Therapy. <i>American Journal of Forensic Medicine and Pathology</i> , 1990, 11, 149-153.	0.4	25
40	Extubation After Transsternal Thymectomy for Myasthenia Gravis. <i>Southern Medical Journal</i> , 1991, 84, 701.	0.3	25
41	Effects of elevated oxygen and carbon dioxide partial pressures on respiratory function and cognitive performance. <i>Journal of Applied Physiology</i> , 2014, 117, 406-412.	1.2	25
42	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> , 2010, 109, 68-78.	1.2	25
43	Increased Wedge Pressure Facilitates Decreased Lung Vascular Resistance during Upright Exercise. <i>Chest</i> , 1988, 93, 97S-99S.	0.4	23
44	Predictors of increased Pa <sub>CO<sub>2</sub></sub> during immersed prone exercise at 4.7 ATA. <i>Journal of Applied Physiology</i> , 2009, 106, 316-325.	1.2	23
45	MultiModality Surgical and Hyperbaric Management of Mandibular Osteoradionecrosis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 717-724.	0.4	21
46	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> , 2011, 110, 610-618.	1.2	21
47	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> , 2016, 121, 953-964.	1.2	21
48	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> , 2015, 309, L857-L871.	1.3	20
49	General Anesthesia and Hyperkalemic Periodic Paralysis. <i>Anesthesiology</i> , 1989, 71, 303-304.	1.3	19
50	Enhanced recovery protocols for colorectal surgery and postoperative renal function: a retrospective review. <i>Perioperative Medicine (London, England)</i> , 2017, 6, 13.	0.6	18
51	Cause of CO poisoning, relation to halogenated agents still not clear. <i>Journal of Clinical Monitoring and Computing</i> , 1995, 11, 67-71.	0.6	17
52	Cerebral Arterial Gas Embolism During Upper Endoscopy. <i>A &amp; A Case Reports</i> , 2015, 5, 93-94.	0.7	17
53	Hyperbaric treatment of air or gas embolism: current recommendations. <i>Undersea and Hyperbaric Medicine</i> , 2019, , 673-683.	0.1	17
54	Accidental Epidural Overdose of Hydromorphone. <i>Anesthesiology</i> , 1985, 63, 238-238.	1.3	16

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55	Pharmacologic Targeting of Red Blood Cells to Improve Tissue Oxygenation. <i>Clinical Pharmacology and Therapeutics</i> , 2018, 104, 553-563.	2.3	16
56	Sildenafil. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1755-1757.	0.2	15
57	Arterial blood gases in divers at surface after prolonged breath-hold. <i>European Journal of Applied Physiology</i> , 2020, 120, 505-512.	1.2	15
58	Artificial surfactant attenuates hyperoxic lung injury in primates. I. <i>Physiology and biochemistry. Journal of Applied Physiology</i> , 1995, 78, 1816-1822.	1.2	14
59	Association between Serum IGF-I levels and Postoperative Delirium in Elderly Subjects Undergoing Elective Knee Arthroplasty. <i>Scientific Reports</i> , 2016, 6, 20736.	1.6	14
60	MRI of Absent Left Pulmonary Artery. <i>Journal of Computer Assisted Tomography</i> , 1992, 16, 641-645.	0.5	12
61	Otorhinolaryngology and Diving—Part 1: Otorhinolaryngological Hazards Related to Compressed Gas Scuba Diving. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2018, 144, 252.	1.2	12
62	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> , 2015, 119, 420-422.	1.2	11
63	A randomized controlled pilot study of VO <sub>2</sub> max testing: a potential model for measuring relative in vivo efficacy of different red blood cell products. <i>Transfusion</i> , 2017, 57, 630-636.	0.8	11
64	Monaghan 225 Ventilator Use Under Hyperbaric Conditions. <i>Chest</i> , 1986, 89, 846-851.	0.4	10
65	Blood glucose meter performance under hyperbaric oxygen conditions. <i>Clinica Chimica Acta</i> , 2001, 305, 81-87.	0.5	10
66	Hypercapnia in diving: a review of CO <sub>2</sub> retention in submersed exercise at depth. <i>Undersea and Hyperbaric Medicine</i> , 2017, 44, 191-209.	0.1	10
67	Decompression Illness Diagnosis and Decompression Study Design. <i>Aviation, Space, and Environmental Medicine</i> , 2008, 79, 797-798.	0.6	9
68	Hyperbaric treatment of air or gas embolism: current recommendations. <i>Undersea and Hyperbaric Medicine</i> , 2019, 46, 673-683.	0.1	9
69	Changes in the lung after prolonged positive pressure ventilation in normal baboons. <i>Journal of Critical Care</i> , 1997, 12, 72-82.	1.0	8
70	Initial Treatment of Patients with Extensive Trauma. <i>New England Journal of Medicine</i> , 1991, 325, 1444-1446.	13.9	7
71	Neurology and diving. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2014, 120, 959-969.	1.0	7
72	A methodology to explore ventilatory chemosensitivity and opioid-induced respiratory depression risk. <i>Journal of Applied Physiology</i> , 2020, 129, 500-507.	1.2	7

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73	Hyperbaric oxygen for decompression sickness: 2021 update. Undersea and Hyperbaric Medicine, 2021, , 195-203.	0.1	7
74	Vl̄a/Ql̄ abnormalities during gram negative sepsis. Respiration Physiology, 1996, 105, 109-121.	2.8	6
75	Marriage and mortality after noncardiac surgery. Journal of Surgical Research, 2017, 210, 152-158.	0.8	6
76	Arterial gas embolism breathing compressed air in 1.2 metres of water. Diving and Hyperbaric Medicine, 2020, 50, 292-294.	0.2	6
77	Blood gas analyses in hyperbaric and underwater environments: a systematic review. Journal of Applied Physiology, 2022, 132, 283-293.	1.2	6
78	Carbon monoxide poisoning in the aftermath of hurricane Fran.. American Journal of Public Health, 1999, 89, 112-112.	1.5	5
79	Nitroglycerine: relief from the heartache of decompression sickness?. Journal of Applied Physiology, 2006, 101, 1537-1538.	1.2	5
80	Randomized controlled trial of 7, 28, vs 42% day stored red blood cell transfusion on oxygen delivery (VO <sub>2</sub> max) and exercise duration. Transfusion, 2021, 61, 699-707.	0.8	5
81	Hyperbaric oxygen therapy for radiation necrosis of the jaw: comments on a randomized study. Undersea and Hyperbaric Medicine, 2005, 32, 145-7.	0.1	5
82	Adjunctive therapy for decompression illness: a review and update. Diving and Hyperbaric Medicine, 2009, 39, 81-7.	0.2	5
83	Treatment of Decompression Illness. , 2000, , 195-223.		4
84	Pulmonary Delivery of Therapeutic and Diagnostic Gases. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2018, 31, 78-87.	0.7	4
85	Successful treatment of pneumatosis intestinalis with associated pneumoperitoneum and ileus with hyperbaric oxygen therapy. BMJ Case Reports, 2017, 2017, bcr-2017-219209.	0.2	4
86	Last Word on Viewpoint: Why do some patients stop breathing after taking narcotics? Ventilatory chemosensitivity as a predictor of opioid-induced respiratory depression. Journal of Applied Physiology, 2015, 119, 426-426.	1.2	3
87	Otorhinolaryngology and Diving”Part 2: Otorhinolaryngological Fitness for Compressed Gas Scuba Diving. JAMA Otolaryngology - Head and Neck Surgery, 2018, 144, 259.	1.2	3
88	Blue Vision (Cyanopsia) Associated With TURP Syndrome: A Case Report. A&A Practice, 2018, 11, 279-281.	0.2	3
89	Using the Electronic Medical Record to Improve Preoperative Identification of Patients at Risk for Obstructive Sleep Apnea. Journal of Perianesthesia Nursing, 2019, 34, 51-59.	0.3	3
90	The Dewey monitor: Pulse oximetry can independently detect hypoxia in a rebreather diver. Undersea and Hyperbaric Medicine, 2017, 44, 569-580.	0.1	3

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91	Hyperbaric treatment for decompression sickness: current recommendations. Undersea and Hyperbaric Medicine, 2019, 46, 685-693.	0.1	3
92	Immersion-Induced Mitral Regurgitation. Chest, 2022, 161, e137-e143.	0.4	3
93	Pulmonary Edema in a Young, Healthy Woman. Chest, 1987, 92, 385-386.	0.4	2
94	Hyperbaric Medicine: An Integral Part of Trauma Care. Critical Care Clinics, 1990, 6, 203-219.	1.0	2
95	Decompression Sickness. , 2008, , 283-319.		2
96	Oxygen in Acute Illness. Critical Care Medicine, 2015, 43, 1547-1548.	0.4	2
97	Did the crew of the submarine H.L. Hunley suffocate?. Forensic Science International, 2016, 260, 59-65.	1.3	2
98	An Undiagnosed Paraganglioma in a 58-Year-Old Female Who Underwent Tumor Resection. Case Reports in Anesthesiology, 2017, 2017, 1-4.	0.2	2
99	Hyperoxia-induced Decrease in Organ Blood Flow. Anesthesiology, 2008, 108, 169-170.	1.3	2
100	Non-dysbaric arterial gas embolism associated with chronic necrotizing pneumonia, bullae and coughing: a case report. Undersea and Hyperbaric Medicine, 2017, 44, 73-77.	0.1	2
101	The Dewey Monitor: Pulse Oximetry can Warn of Hypoxia in an Immersed Rebreather Diver in Multiple Scenarios. Annals of Biomedical Engineering, 2022, 50, 222-232.	1.3	2
102	Iatrogenic cerebral gas embolism. Diving and Hyperbaric Medicine, 2016, 46, 119.	0.2	2
103	Hyperbaric oxygen as a treatment for COVID-19 infection?. Undersea and Hyperbaric Medicine, 2020, 47, 177-179.	0.1	2
104	Ultrasound in decompression research: fundamentals, considerations, and future technologies. Undersea and Hyperbaric Medicine, 2021, 48, 59-72.	0.1	2
105	Efficacy of Hyperbaric Oxygen for Carbon Monoxide Poisoning. Chest, 2018, 153, 764.	0.4	1
106	Cold Water, Hard Swim, Shortness of Breath. Chest, 2020, 158, 1329-1330.	0.4	1
107	Hyperoxia-induced brain ischemia: the Strawman comes up short. Canadian Journal of Anaesthesia, 2021, 68, 150-151.	0.7	1
108	Clinical Care in Extreme Environments: At High and Low Pressure and in Space. , 2010, , 2485-2515.		1

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109	Letter: UHMS HBO2 COMMITTEE CHAIR QUESTIONS FDA ON INCORRECT INFO. Undersea and Hyperbaric Medicine, 2017, 44, 611-612.	0.1	1
110	Cardio-Respiratory tolerability of perfluoropropaneEnhanced MRI of pulmonary ventilation. Journal of Lung, Pulmonary & Respiratory Research, 2020, 7, 107-115.	0.3	1
111	Immersion pulmonary edema: drowning from the inside. Undersea and Hyperbaric Medicine, 2019, 46, 577-579.	0.1	1
112	Physiologic and biochemical rationale for treating COVID-19 patients with hyperbaric oxygen. Undersea and Hyperbaric Medicine, 2021, 48, 1-12.	0.1	1
113	Hyperbaric oxygen for intracranial abscess. Undersea and Hyperbaric Medicine, 2021, 48, 97-102.	0.1	1
114	Safety evaluation of carbon tetrafluoride as an inert hyperbaric breathing gas in Sprague-Dawley rats. Toxicology and Applied Pharmacology, 2022, 444, 116023.	1.3	1
115	Carbon monoxide poisoning in smoke inhalation. Journal of Clinical Anesthesia, 1990, 2, 288-289.	0.7	0
116	MECHANISMS OF ACUTE POSTOPERATIVE HYPOMAGNESEMIA. Anesthesiology, 2000, 2000, 1.	1.3	0
117	Textbook Plagiarism Reform. Anesthesia and Analgesia, 2014, 119, 749-750.	1.1	0
118	Follow-up to Nonfatal Opioid Overdoses. Annals of Internal Medicine, 2016, 165, 377.	2.0	0
119	Spontaneous Absorption of Cerebral Air Emboli. Journal of Cerebrovascular and Endovascular Neurosurgery, 2017, 19, 52.	0.2	0
120	Diving. , 2022, , 209-218.		0
121	A1102 EFFECT OF INCREASED AIRWAYS RESISTANCE AND PULMONARY VASCULAR ENGORGEMENT ON PULMONARY GAS EXCHANGE. Anesthesiology, 1997, 87, 1102A.	1.3	0
122	THE EFFECT OF HYPERBARIC OXYGEN ON PULMONARY VASCULAR TONE. Anesthesiology, 1998, 89, 1374A.	1.3	0
123	Reply to Drs. Wang et al.. Journal of Applied Physiology, 2020, 129, 933-933.	1.2	0
124	Central nervous system oxygen toxicity during 100% oxygen breathing at normobaric pressure. Diving and Hyperbaric Medicine, 2020, 50, 306.	0.2	0
125	Central nervous system oxygen toxicity during 100% oxygen breathing at normobaric pressure. Diving and Hyperbaric Medicine, 2020, 50, 306-306.	0.2	0
126	A fully automated method for late ventricular diastole frame selection in post-dive echocardiography without ECG gating. Undersea and Hyperbaric Medicine, 2021, 48, 73-80.	0.1	0



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127	Hyperbaric oxygen for decompression sickness. Undersea and Hyperbaric Medicine, 2021, 48, 195-203.	0.1	0