Simon J Mitchell

List of Publications by Year
in descending order

100 papers	1,982 citations	394421 19 h-index	276875 41 g-index
102 all docs	102 docs citations	102 times ranked	1426 citing authors

#	Article	IF	Citations
1	A prospective observational study on the effect of emboli exposure on cerebral autoregulation in cardiac surgery requiring cardiopulmonary bypass. Perfusion (United Kingdom), 2023, 38, 1045-1052.	1.0	1
2	Perioperative hypothermia in open and laparoscopic colorectal surgery. ANZ Journal of Surgery, 2022, 92, 1125-1131.	0.7	8
3	Decompression Sickness and Arterial Gas Embolism. New England Journal of Medicine, 2022, 386, 1254-1264.	27.0	45
4	EEG functional connectivity is sensitive for nitrogen narcosis at 608ÂkPa. Scientific Reports, 2022, 12, 4880.	3.3	2
5	Comment on Mankowska et al. Critical Flicker Fusion Frequency: A Narrative Review. Medicina 2021, 57, 1096. Medicina (Lithuania), 2022, 58, 739.	2.0	1
6	Visualization of Intracranial Pressure Insults After Severe Traumatic Brain Injury: Influence of Individualized Limits of Reactivity. Acta Neurochirurgica Supplementum, 2021, 131, 7-10.	1.0	2
7	Hyperbaric oxygen for decompression sickness: 2021 update. Undersea and Hyperbaric Medicine, 2021, , 195-203.	0.3	7
8	Arterial blood gas measurements during deep open-water breath-hold dives. Journal of Applied Physiology, 2021, 130, 1490-1495.	2.5	11
9	Reply: Commentary on using critical flicker fusion frequency to measure gas narcosis. Diving and Hyperbaric Medicine, 2021, 51, 228-229.	0.5	1
10	A prospective observational study of emboli exposure in open versus closed chamber cardiac surgery. Perfusion (United Kingdom), 2021, , 026765912110238.	1.0	1
11	An Electroencephalogram Metric of Temporal Complexity Tracks Psychometric Impairment Caused by Low-dose Nitrous Oxide. Anesthesiology, 2021, 134, 202-218.	2.5	11
12	Hyperbaric oxygen for decompression sickness. Undersea and Hyperbaric Medicine, 2021, 48, 195-203.	0.3	0
13	Retrospective analysis of the 13-year trend in acute and elective surgery for patients aged 60 years and over at Auckland City Hospital, New Zealand. Journal of Epidemiology and Community Health, 2020, 74, 42-47.	3.7	6
14	Improving outcomes for surgical patients. BMJ, The, 2020, 371, m3929.	6.0	0
15	Deep anaesthesia: The Thailand cave rescue and its implications for management of the unconscious diver underwater. Diving and Hyperbaric Medicine, 2020, 50, 121-129.	0.5	5
16	Bubbles in the skin microcirculation underlying cutis marmorata in decompression sickness: Preliminary observations. Diving and Hyperbaric Medicine, 2020, 50, 173-177.	0.5	4
17	Investigating critical flicker fusion frequency for monitoring gas narcosis in divers. Diving and Hyperbaric Medicine, 2020, 50, 377-385.	0.5	10
18	Persistent extravascular bubbles on radiologic imaging after recompression treatment for decompression sickness: A case report. Diving and Hyperbaric Medicine, 2020, 50, 424-430.	0.5	1

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19	Diving and hyperbaric medicine in the SARS-CoV-2 pandemic. Diving and Hyperbaric Medicine, 2020, 50, 90-91.	0.5	1
20	Pupillometry is not sensitive to gas narcosis in divers breathing hyperbaric air or normobaric nitrous oxide. Diving and Hyperbaric Medicine, 2020, 50, 115-120.	0.5	2
21	Professional diver routine health surveillance and certification: an internet-based satisfaction survey of New Zealand divers. Diving and Hyperbaric Medicine, 2020, 50, 28-33.	0.5	0
22	Comparison of tissue oxygenation achieved breathing oxygen using different delivery devices and flow rates. Diving and Hyperbaric Medicine, 2020, 50, 34-42.	0.5	1
23	South Pacific Underwater Medicine Society guidelines for cardiovascular risk assessment of divers. Diving and Hyperbaric Medicine, 2020, 50, 273-277.	0.5	3
24	South Pacific Underwater Medicine Society guidelines for cardiovascular risk assessment of divers. Diving and Hyperbaric Medicine, 2020, 50, 273-277.	0.5	8
25	The effect of implementing an aseptic practice bundle for anaesthetists to reduce postoperative infections, the Anaesthetists Be Cleaner (ABC) study: protocol for a stepped wedge, cluster randomised, multi-site trial. Trials, 2019, 20, 342.	1.6	2
26	Examining reliability of WHOBARS: a tool to measure the quality of administration of WHO surgical safety checklist using generalisability theory with surgical teams from three New Zealand hospitals. BMJ Open, 2019, 9, e022625.	1.9	8
27	Emerging indications for hyperbaric oxygen. Current Opinion in Anaesthesiology, 2019, 32, 792-798.	2.0	10
28	The impact of diving on hearing: a 10â€“25 year audit of New Zealand professional divers. Diving and Hyperbaric Medicine, 2019, 49, 2-8.	0.5	7
29	The performance of â€˜temperature stickâ€™ carbon dioxide absorbent monitors in diving rebreathers. Diving and Hyperbaric Medicine, 2019, 49, 48-56.	0.5	1
30	The utility and safety of hypoxia experiences for rebreather divers. Diving and Hyperbaric Medicine, 2019, 49, 112-118.	0.5	4
31	DCS or DCI? The difference and why it matters. Diving and Hyperbaric Medicine, 2019, 49, 152-153.	0.5	15
32	The impact of health on professional diver attrition. Diving and Hyperbaric Medicine, 2019, 49, 107-111.	0.5	1
33	Performance of cartridge and granular carbon dioxide absorbents in a closed-circuit diving rebreather. Diving and Hyperbaric Medicine, 2019, 49, 298-303.	0.5	0
34	Hyperbaric treatment for decompression sickness: current recommendations. Undersea and Hyperbaric Medicine, 2019, 46, 685-693.	0.3	3
35	In-water recompression. Diving and Hyperbaric Medicine, 2018, 48, 84-95.	0.5	8
36	Pre hospital management of decompression illness: expert review of key principles and controversies. Diving and Hyperbaric Medicine, 2018, 48, 45-55.	0.5	25

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37	Improving the quality of administration of the Surgical Safety Checklist: a mixed methods study in New Zealand hospitals. BMJ Open, 2018, 8, e022882.	1.9	7
38	Long-term changes in spirometry in occupational divers: a 10-25 year audit. Diving and Hyperbaric Medicine, 2018, 48, 10-16.	0.5	10
39	Comparison of tissue oxygenation achieved breathing oxygen from a demand valve with four different mask configurations. Diving and Hyperbaric Medicine, 2018, 48, 209-217.	0.5	3
40	Decompression illness and other injuries in a recreational dive charter operation. Diving and Hyperbaric Medicine, 2018, 48, 218-223.	0.5	14
41	Vibration and bubbles: a systematic review of the effects of helicopter retrieval on injured divers. Diving and Hyperbaric Medicine, 2018, 48, 241-251.	0.5	3
42	Storage of partly used closed-circuit rebreather carbon dioxide absorbent canisters. Diving and Hyperbaric Medicine, 2018, 48, 96-101.	0.5	1
43	Consensus guideline: Pre-hospital management of decompression illness: expert review of key principles and controversies. Undersea and Hyperbaric Medicine, 2018, 45, 273-286.	0.3	5
44	'Disordered decompression' is not a new concept. Undersea and Hyperbaric Medicine, 2018, 45, 613-614.	0.3	0
45	Diving with pre-existing medical conditions. Diving and Hyperbaric Medicine, 2017, 47, 180-190.	0.5	19
46	Extreme Scuba Diving Medicine. , 2017, , 313-333.		1
47	A behaviourally anchored rating scale for evaluating the use of the WHO surgical safety checklist: development and initial evaluation of the WHOBARS. BMJ Quality and Safety, 2016, 25, 778-786.	3.7	28
48	A â€˜paperlessâ€™ wall-mounted surgical safety checklist with migrated leadership can improve compliance and team engagement. BMJ Quality and Safety, 2016, 25, 971-976.	3.7	26
49	Clinical evaluation of emboli removal by integrated versus non-integrated arterial filters in new generation oxygenators. Perfusion (United Kingdom), 2016, 31, 409-417.	1.0	17
50	Breath alcohol of anesthesiologists using alcohol hand gel and the â€œfive moments for hand hygieneâ€• in routine practice. Canadian Journal of Anaesthesia, 2016, 63, 938-944.	1.6	5
51	Advancing patient safety through the use of cognitive aids. BMJ Quality and Safety, 2016, 25, 733-735.	3.7	18
52	In Reply. Anesthesiology, 2016, 125, 820-821.	2.5	0
53	Microbiological Contamination of Drugs during Their Administration for Anesthesia in the Operating Room. Anesthesiology, 2016, 124, 785-794.	2.5	39
54	The duration of two carbon dioxide absorbents in a closed-circuit rebreather diving system. Diving and Hyperbaric Medicine, 2016, 46, 92-7.	0.5	6

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55	Improved compliance with the World Health Organization Surgical Safety Checklist is associated with reduced surgical specimen labelling errors. New Zealand Medical Journal, 2016, 129, 63-7.	0.5	7
56	The demographics and diving behaviour of DAN Asia-Pacific members with and without pre-existing medical conditions. Diving and Hyperbaric Medicine, 2016, 46, 200-206.	0.5	5
57	End Tidal CO₂ in Recreational Rebreather Divers on Surfacing After Decompression Dives. Aviation, Space, and Environmental Medicine, 2015, 86, 41-45.	0.5	0
58	Anaphylaxis Is More Common with Rocuronium and Succinylcholine than with Atracurium. Anesthesiology, 2015, 122, 39-45.	2.5	120
59	PD-L1 and CD8+PD1+ lymphocytes exist as targets in the pediatric tumor microenvironment for immunomodulatory therapy. OncoImmunology, 2015, 4, e1029701.	4.6	53
60	Response to: Improving the Quality and Safety as Well as Reducing the Cost for Patients Undergoing Cardiac Surgery: Missing Some Issues?. Journal of Cardiothoracic and Vascular Anesthesia, 2015, 29, e47-e48.	1.3	0
61	Perspective on Cerebral Microemboli in Cardiac Surgery: Significant Problem or Much Ado About Nothing?. Journal of Extra-Corporeal Technology, 2015, 47, 10-5.	0.4	9
62	The five-minute prebreathe in evaluating carbon dioxide absorption in a closed-circuit rebreather: a randomized single-blind study. Diving and Hyperbaric Medicine, 2015, 45, 16-24.	0.5	2
63	Pathophysiology of inner ear decompression sickness: potential role of the persistent foramen ovale. Diving and Hyperbaric Medicine, 2015, 45, 105-10.	0.5	13
64	Joint position statement on persistent foramen ovale (PFO) and diving. South Pacïï¬€ Underwater Medicine Society (SPUMS) and the United Kingdom Sports Diving Medical Committee (UKSDMC). Diving and Hyperbaric Medicine, 2015, 45, 129-31.	0.5	30
65	Improving the Quality and Safety of Patient Care in Cardiac Anesthesia. Journal of Cardiothoracic and Vascular Anesthesia, 2014, 28, 1341-1351.	1.3	15
66	Decompression illness in divers treated in Auckland, New Zealand, 1996-2012. Diving and Hyperbaric Medicine, 2014, 44, 20-5.	0.5	8
67	Unestablished indications for hyperbaric oxygen therapy. Diving and Hyperbaric Medicine, 2014, 44, 228-34.	0.5	16
68	Recreational technical diving part 1: an introduction to technical diving methods and activities. Diving and Hyperbaric Medicine, 2013, 43, 86-93.	0.5	24
69	Recreational technical diving part 2: decompression from deep technical dives. Diving and Hyperbaric Medicine, 2013, 43, 96-104.	0.5	9
70	Recompression and adjunctive therapy for decompression illness. The Cochrane Library, 2012, , CD005277.	2.8	25
71	Invited Commentary. Annals of Thoracic Surgery, 2012, 93, 1447-1448.	1.3	0
72	The use of deep tables in the treatment of decompression illness: the Hyperbaric Technicians and Nurses Association 2011 Workshop. Diving and Hyperbaric Medicine, 2012, 42, 171-80.	0.5	8

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73	The World Health Organization Safe Surgical Checklist: it's time to engage. New Zealand Medical Journal, 2012, 125, 11-4.	0.5	1
74	Hyperbaric Conditions. , 2011, 1, 163-201.		15
75	Decompression illness. Lancet, The, 2011, 377, 153-164.	13.7	392
76	Multimodal system designed to reduce errors in recording and administration of drugs in anaesthesia: prospective randomised clinical evaluation. BMJ: British Medical Journal, 2011, 343, d5543-d5543.	2.3	164
77	Medical screening of recreational divers for cardiovascular disease: consensus discussion at the Divers Alert Network Fatality Workshop. Undersea and Hyperbaric Medicine, 2011, 38, 289-96.	0.3	17
78	Compliance and quality in administration of a Surgical Safety Checklist in a tertiary New Zealand hospital. New Zealand Medical Journal, 2011, 124, 48-58.	0.5	14
79	Pulmonary Barotrauma and Cerebral Arterial Gas Embolism During Hyperbaric Oxygen Therapy. Aviation, Space, and Environmental Medicine, 2010, 81, 888-890.	0.5	13
80	Recompression and Adjunctive Therapy for Decompression Illness. Anesthesia and Analgesia, 2010, 111, 757-762.	2.2	19
81	Cerebral Protection by Lidocaine During Cardiac Operations: A Follow-Up Study. Annals of Thoracic Surgery, 2009, 87, 820-825.	1.3	71
82	Selective vulnerability of the inner ear to decompression sickness in divers with right-to-left shunt: the role of tissue gas supersaturation. Journal of Applied Physiology, 2009, 106, 298-301.	2.5	33
83	Lignocaine: neuro-protective or wishful thinking?. Journal of Extra-Corporeal Technology, 2009, 41, P37-42.	0.4	3
84	Microemboli in our bypass circuits: a contemporary audit. Journal of Extra-Corporeal Technology, 2009, 41, P31-7.	0.4	10
85	The long-term effects of compressed gas diving on lung function in New Zealand occupational divers: a retrospective analysis. Diving and Hyperbaric Medicine, 2009, 39, 133-7.	0.5	5
86	Clearance to Dive and Fitness for Work. , 2008, , 65-94.		3
87	Recompression and adjunctive therapy for decompression illness. , 2007, , CD005277.		8
88	Fatal respiratory failure during a "technical" rebreather dive at extreme pressure. Aviation, Space, and Environmental Medicine, 2007, 78, 81-6.	0.5	6
89	From trash to leucocytes: what are we filtering and why?. Journal of Extra-Corporeal Technology, 2006, 38, 58-63.	0.4	0
90	Arterial bubbles from the venous line. Journal of Extra-Corporeal Technology, 2006, 38, 214-5.	0.4	3

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91	Biophysical basis for inner ear decompression sickness. Journal of Applied Physiology, 2003, 94, 2145-2150.	2.5	28
92	The Physiological Kinetics of Nitrogen and the Prevention of Decompression Sickness. Clinical Pharmacokinetics, 2001, 40, 1-14.	3.5	31
93	Cerebral arterial gas embolism by helium: An unusual case successfully treated with hyperbaric oxygen and lidocaine. Annals of Emergency Medicine, 2000, 35, 300-303.	0.6	27
94	Physical and Pharmacological Neuroprotection in Cardiac Surgery. Seminars in Cardiothoracic and Vascular Anesthesia, 2000, 4, 80-85.	1.0	1
95	Isolated pulmonary oedema associated with SCUBA diving. EMA - Emergency Medicine Australasia, 1999, 11, 272-276.	1.1	5
96	Cerebral protection by lidocaine during cardiac operations. Annals of Thoracic Surgery, 1999, 67, 1117-1124.	1.3	174
97	Venous air in the bypass circuit: a source of arterial line emboli exacerbated by vacuum-assisted drainage. Annals of Thoracic Surgery, 1999, 68, 1285-1289.	1.3	127
98	A dual-vent left heart deairing technique markedly reduces carotid artery microemboli. Annals of Thoracic Surgery, 1998, 66, 785-791.	1.3	20
99	Pathophysiology of Decompression Sickness. , 1988, , 165-183.		29
100	Extended lifetimes of bubbles at hyperbaric pressure may contribute to inner ear decompression sickness during saturation diving. Journal of Applied Physiology, 0, , .	2.5	2