

Simon J Mitchell

List of Publications by Year in descending order

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Version: 2024-02-01

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	Decompression illness. <i>Lancet, The</i> , 2011, 377, 153-164.	13.7	392
2	Cerebral protection by lidocaine during cardiac operations. <i>Annals of Thoracic Surgery</i> , 1999, 67, 1117-1124.	1.3	174
3	Multimodal system designed to reduce errors in recording and administration of drugs in anaesthesia: prospective randomised clinical evaluation. <i>BMJ: British Medical Journal</i> , 2011, 343, d5543-d5543.	2.3	164
4	Venous air in the bypass circuit: a source of arterial line emboli exacerbated by vacuum-assisted drainage. <i>Annals of Thoracic Surgery</i> , 1999, 68, 1285-1289.	1.3	127
5	Anaphylaxis Is More Common with Rocuronium and Succinylcholine than with Atracurium. <i>Anesthesiology</i> , 2015, 122, 39-45.	2.5	120
6	Cerebral Protection by Lidocaine During Cardiac Operations: A Follow-Up Study. <i>Annals of Thoracic Surgery</i> , 2009, 87, 820-825.	1.3	71
7	PD-L1 and CD8+PD1+ lymphocytes exist as targets in the pediatric tumor microenvironment for immunomodulatory therapy. <i>Oncolmmunology</i> , 2015, 4, e1029701.	4.6	53
8	Decompression Sickness and Arterial Gas Embolism. <i>New England Journal of Medicine</i> , 2022, 386, 1254-1264.	27.0	45
9	Microbiological Contamination of Drugs during Their Administration for Anesthesia in the Operating Room. <i>Anesthesiology</i> , 2016, 124, 785-794.	2.5	39
10	Selective vulnerability of the inner ear to decompression sickness in divers with right-to-left shunt: the role of tissue gas supersaturation. <i>Journal of Applied Physiology</i> , 2009, 106, 298-301.	2.5	33
11	The Physiological Kinetics of Nitrogen and the Prevention of Decompression Sickness. <i>Clinical Pharmacokinetics</i> , 2001, 40, 1-14.	3.5	31
12	Joint position statement on persistent foramen ovale (PFO) and diving. <i>South Pacific Underwater Medicine Society (SPUMS) and the United Kingdom Sports Diving Medical Committee (UKSDMC)</i> . <i>Diving and Hyperbaric Medicine</i> , 2015, 45, 129-31.	0.5	30
13	Pathophysiology of Decompression Sickness. , 1988, , 165-183.		29
14	Biophysical basis for inner ear decompression sickness. <i>Journal of Applied Physiology</i> , 2003, 94, 2145-2150.	2.5	28
15	A behaviourally anchored rating scale for evaluating the use of the WHO surgical safety checklist: development and initial evaluation of the WHOBARS. <i>BMJ Quality and Safety</i> , 2016, 25, 778-786.	3.7	28
16	Cerebral arterial gas embolism by helium: An unusual case successfully treated with hyperbaric oxygen and lidocaine. <i>Annals of Emergency Medicine</i> , 2000, 35, 300-303.	0.6	27
17	A "paperless"™ wall-mounted surgical safety checklist with migrated leadership can improve compliance and team engagement. <i>BMJ Quality and Safety</i> , 2016, 25, 971-976.	3.7	26
18	Recompression and adjunctive therapy for decompression illness. <i>The Cochrane Library</i> , 2012, , CD005277.	2.8	25

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19	Pre hospital management of decompression illness: expert review of key principles and controversies. <i>Diving and Hyperbaric Medicine</i> , 2018, 48, 45-55.	0.5	25
20	Recreational technical diving part 1: an introduction to technical diving methods and activities. <i>Diving and Hyperbaric Medicine</i> , 2013, 43, 86-93.	0.5	24
21	A dual-vent left heart deairing technique markedly reduces carotid artery microemboli. <i>Annals of Thoracic Surgery</i> , 1998, 66, 785-791.	1.3	20
22	Recompression and Adjunctive Therapy for Decompression Illness. <i>Anesthesia and Analgesia</i> , 2010, 111, 757-762.	2.2	19
23	Diving with pre-existing medical conditions. <i>Diving and Hyperbaric Medicine</i> , 2017, 47, 180-190.	0.5	19
24	Advancing patient safety through the use of cognitive aids. <i>BMJ Quality and Safety</i> , 2016, 25, 733-735.	3.7	18
25	Clinical evaluation of emboli removal by integrated versus non-integrated arterial filters in new generation oxygenators. <i>Perfusion (United Kingdom)</i> , 2016, 31, 409-417.	1.0	17
26	Medical screening of recreational divers for cardiovascular disease: consensus discussion at the Divers Alert Network Fatality Workshop. <i>Undersea and Hyperbaric Medicine</i> , 2011, 38, 289-96.	0.3	17
27	Unestablished indications for hyperbaric oxygen therapy. <i>Diving and Hyperbaric Medicine</i> , 2014, 44, 228-34.	0.5	16
28	Hyperbaric Conditions. , 2011, 1, 163-201.		15
29	Improving the Quality and Safety of Patient Care in Cardiac Anesthesia. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014, 28, 1341-1351.	1.3	15
30	DCS or DCI? The difference and why it matters. <i>Diving and Hyperbaric Medicine</i> , 2019, 49, 152-153.	0.5	15
31	Decompression illness and other injuries in a recreational dive charter operation. <i>Diving and Hyperbaric Medicine</i> , 2018, 48, 218-223.	0.5	14
32	Compliance and quality in administration of a Surgical Safety Checklist in a tertiary New Zealand hospital. <i>New Zealand Medical Journal</i> , 2011, 124, 48-58.	0.5	14
33	Pulmonary Barotrauma and Cerebral Arterial Gas Embolism During Hyperbaric Oxygen Therapy. <i>Aviation, Space, and Environmental Medicine</i> , 2010, 81, 888-890.	0.5	13
34	Pathophysiology of inner ear decompression sickness: potential role of the persistent foramen ovale. <i>Diving and Hyperbaric Medicine</i> , 2015, 45, 105-10.	0.5	13
35	Arterial blood gas measurements during deep open-water breath-hold dives. <i>Journal of Applied Physiology</i> , 2021, 130, 1490-1495.	2.5	11
36	An Electroencephalogram Metric of Temporal Complexity Tracks Psychometric Impairment Caused by Low-dose Nitrous Oxide. <i>Anesthesiology</i> , 2021, 134, 202-218.	2.5	11

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37	Emerging indications for hyperbaric oxygen. <i>Current Opinion in Anaesthesiology</i> , 2019, 32, 792-798.	2.0	10
38	Long-term changes in spirometry in occupational divers: a 10-25 year audit. <i>Diving and Hyperbaric Medicine</i> , 2018, 48, 10-16.	0.5	10
39	Investigating critical flicker fusion frequency for monitoring gas narcosis in divers. <i>Diving and Hyperbaric Medicine</i> , 2020, 50, 377-385.	0.5	10
40	Microemboli in our bypass circuits: a contemporary audit. <i>Journal of Extra-Corporeal Technology</i> , 2009, 41, P31-7.	0.4	10
41	Perspective on Cerebral Microemboli in Cardiac Surgery: Significant Problem or Much Ado About Nothing?. <i>Journal of Extra-Corporeal Technology</i> , 2015, 47, 10-5.	0.4	9
42	Recreational technical diving part 2: decompression from deep technical dives. <i>Diving and Hyperbaric Medicine</i> , 2013, 43, 96-104.	0.5	9
43	Recompression and adjunctive therapy for decompression illness. , 2007, , CD005277.		8
44	In-water recompression. <i>Diving and Hyperbaric Medicine</i> , 2018, 48, 84-95.	0.5	8
45	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. <i>BMJ Open</i> , 2019, 9, e022625.	1.9	8
46	South Pacific Underwater Medicine Society guidelines for cardiovascular risk assessment of divers. <i>Diving and Hyperbaric Medicine</i> , 2020, 50, 273-277.	0.5	8
47	Perioperative hypothermia in open and laparoscopic colorectal surgery. <i>ANZ Journal of Surgery</i> , 2022, 92, 1125-1131.	0.7	8
48	The use of deep tables in the treatment of decompression illness: the Hyperbaric Technicians and Nurses Association 2011 Workshop. <i>Diving and Hyperbaric Medicine</i> , 2012, 42, 171-80.	0.5	8
49	Decompression illness in divers treated in Auckland, New Zealand, 1996-2012. <i>Diving and Hyperbaric Medicine</i> , 2014, 44, 20-5.	0.5	8
50	Improving the quality of administration of the Surgical Safety Checklist: a mixed methods study in New Zealand hospitals. <i>BMJ Open</i> , 2018, 8, e022882.	1.9	7
51	Hyperbaric oxygen for decompression sickness: 2021 update. <i>Undersea and Hyperbaric Medicine</i> , 2021, , 195-203.	0.3	7
52	The impact of diving on hearing: a 10-25 year audit of New Zealand professional divers. <i>Diving and Hyperbaric Medicine</i> , 2019, 49, 2-8.	0.5	7
53	Improved compliance with the World Health Organization Surgical Safety Checklist is associated with reduced surgical specimen labelling errors. <i>New Zealand Medical Journal</i> , 2016, 129, 63-7.	0.5	7
54	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. <i>Journal of Epidemiology and Community Health</i> , 2020, 74, 42-47.	3.7	6

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55	Fatal respiratory failure during a "technical" rebreather dive at extreme pressure. <i>Aviation, Space, and Environmental Medicine</i> , 2007, 78, 81-6.	0.5	6
56	The duration of two carbon dioxide absorbents in a closed-circuit rebreather diving system. <i>Diving and Hyperbaric Medicine</i> , 2016, 46, 92-7.	0.5	6
57	Isolated pulmonary oedema associated with SCUBA diving. <i>EMA - Emergency Medicine Australasia</i> , 1999, 11, 272-276.	1.1	5
58	Breath alcohol of anesthesiologists using alcohol hand gel and the "five moments for hand hygiene" in routine practice. <i>Canadian Journal of Anaesthesia</i> , 2016, 63, 938-944.	1.6	5
59	Deep anaesthesia: The Thailand cave rescue and its implications for management of the unconscious diver underwater. <i>Diving and Hyperbaric Medicine</i> , 2020, 50, 121-129.	0.5	5
60	The long-term effects of compressed gas diving on lung function in New Zealand occupational divers: a retrospective analysis. <i>Diving and Hyperbaric Medicine</i> , 2009, 39, 133-7.	0.5	5
61	The demographics and diving behaviour of DAN Asia-Pacific members with and without pre-existing medical conditions. <i>Diving and Hyperbaric Medicine</i> , 2016, 46, 200-206.	0.5	5
62	Consensus guideline: Pre-hospital management of decompression illness: expert review of key principles and controversies. <i>Undersea and Hyperbaric Medicine</i> , 2018, 45, 273-286.	0.3	5
63	The utility and safety of hypoxia experiences for rebreather divers. <i>Diving and Hyperbaric Medicine</i> , 2019, 49, 112-118.	0.5	4
64	Bubbles in the skin microcirculation underlying cutis marmorata in decompression sickness: Preliminary observations. <i>Diving and Hyperbaric Medicine</i> , 2020, 50, 173-177.	0.5	4
65	Clearance to Dive and Fitness for Work. , 2008, , 65-94.		3
66	Comparison of tissue oxygenation achieved breathing oxygen from a demand valve with four different mask configurations. <i>Diving and Hyperbaric Medicine</i> , 2018, 48, 209-217.	0.5	3
67	Vibration and bubbles: a systematic review of the effects of helicopter retrieval on injured divers. <i>Diving and Hyperbaric Medicine</i> , 2018, 48, 241-251.	0.5	3
68	Lignocaine: neuro-protective or wishful thinking?. <i>Journal of Extra-Corporeal Technology</i> , 2009, 41, P37-42.	0.4	3
69	Arterial bubbles from the venous line. <i>Journal of Extra-Corporeal Technology</i> , 2006, 38, 214-5.	0.4	3
70	South Pacific Underwater Medicine Society guidelines for cardiovascular risk assessment of divers. <i>Diving and Hyperbaric Medicine</i> , 2020, 50, 273-277.	0.5	3
71	Hyperbaric treatment for decompression sickness: current recommendations. <i>Undersea and Hyperbaric Medicine</i> , 2019, 46, 685-693.	0.3	3
72	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. <i>Trials</i> , 2019, 20, 342.	1.6	2

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73	Visualization of Intracranial Pressure Insults After Severe Traumatic Brain Injury: Influence of Individualized Limits of Reactivity. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 7-10.	1.0	2
74	Pupillometry is not sensitive to gas narcosis in divers breathing hyperbaric air or normobaric nitrous oxide. <i>Diving and Hyperbaric Medicine</i> , 2020, 50, 115-120.	0.5	2
75	The five-minute prebreathe in evaluating carbon dioxide absorption in a closed-circuit rebreather: a randomized single-blind study. <i>Diving and Hyperbaric Medicine</i> , 2015, 45, 16-24.	0.5	2
76	EEG functional connectivity is sensitive for nitrogen narcosis at 608 kPa. <i>Scientific Reports</i> , 2022, 12, 4880.	3.3	2
77	Extended lifetimes of bubbles at hyperbaric pressure may contribute to inner ear decompression sickness during saturation diving. <i>Journal of Applied Physiology</i> , 0, , .	2.5	2
78	Physical and Pharmacological Neuroprotection in Cardiac Surgery. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2000, 4, 80-85.	1.0	1
79	Reply: Commentary on using critical flicker fusion frequency to measure gas narcosis. <i>Diving and Hyperbaric Medicine</i> , 2021, 51, 228-229.	0.5	1
80	A prospective observational study of emboli exposure in open versus closed chamber cardiac surgery. <i>Perfusion (United Kingdom)</i> , 2021, , 026765912110238.	1.0	1
81	The performance of a temperature stick carbon dioxide absorbent monitors in diving rebreathers. <i>Diving and Hyperbaric Medicine</i> , 2019, 49, 48-56.	0.5	1
82	Persistent extravascular bubbles on radiologic imaging after recompression treatment for decompression sickness: A case report. <i>Diving and Hyperbaric Medicine</i> , 2020, 50, 424-430.	0.5	1
83	<i>Extreme Scuba Diving Medicine</i> . , 2017, , 313-333.		1
84	Storage of partly used closed-circuit rebreather carbon dioxide absorbent canisters. <i>Diving and Hyperbaric Medicine</i> , 2018, 48, 96-101.	0.5	1
85	The impact of health on professional diver attrition. <i>Diving and Hyperbaric Medicine</i> , 2019, 49, 107-111.	0.5	1
86	Diving and hyperbaric medicine in the SARS-CoV-2 pandemic. <i>Diving and Hyperbaric Medicine</i> , 2020, 50, 90-91.	0.5	1
87	Comparison of tissue oxygenation achieved breathing oxygen using different delivery devices and flow rates. <i>Diving and Hyperbaric Medicine</i> , 2020, 50, 34-42.	0.5	1
88	The World Health Organization Safe Surgical Checklist: it's time to engage. <i>New Zealand Medical Journal</i> , 2012, 125, 11-4.	0.5	1
89	Comment on Mankowska et al. Critical Flicker Fusion Frequency: A Narrative Review. <i>Medicina</i> 2021, 57, 1096. <i>Medicina (Lithuania)</i> , 2022, 58, 739.	2.0	1
90	A prospective observational study on the effect of emboli exposure on cerebral autoregulation in cardiac surgery requiring cardiopulmonary bypass. <i>Perfusion (United Kingdom)</i> , 2023, 38, 1045-1052.	1.0	1

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91	Invited Commentary. <i>Annals of Thoracic Surgery</i> , 2012, 93, 1447-1448.	1.3	0
92	End Tidal CO ₂ in Recreational Rebreather Divers on Surfacing After Decompression Dives. <i>Aviation, Space, and Environmental Medicine</i> , 2015, 86, 41-45.	0.5	0
93	Response to: Improving the Quality and Safety as Well as Reducing the Cost for Patients Undergoing Cardiac Surgery: Missing Some Issues?. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, e47-e48.	1.3	0
94	In Reply. <i>Anesthesiology</i> , 2016, 125, 820-821.	2.5	0
95	Improving outcomes for surgical patients. <i>BMJ</i> , The, 2020, 371, m3929.	6.0	0
96	Performance of cartridge and granular carbon dioxide absorbents in a closed-circuit diving rebreather. <i>Diving and Hyperbaric Medicine</i> , 2019, 49, 298-303.	0.5	0
97	Professional diver routine health surveillance and certification: an internet-based satisfaction survey of New Zealand divers. <i>Diving and Hyperbaric Medicine</i> , 2020, 50, 28-33.	0.5	0
98	From trash to leucocytes: what are we filtering and why?. <i>Journal of Extra-Corporeal Technology</i> , 2006, 38, 58-63.	0.4	0
99	'Disordered decompression' is not a new concept. <i>Undersea and Hyperbaric Medicine</i> , 2018, 45, 613-614.	0.3	0
100	Hyperbaric oxygen for decompression sickness. <i>Undersea and Hyperbaric Medicine</i> , 2021, 48, 195-203.	0.3	0