

# Denny Z Levett

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

6,207  
citations

101543

36  
h-index

71685

76  
g-index

92  
all docs

92  
docs citations

92  
times ranked

7224  
citing authors

#	ARTICLE	IF	CITATIONS
1	A capaciflector provides continuous and accurate respiratory rate monitoring for patients at rest and during exercise. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 1535-1546.	1.6	5
2	Perioperative Risk Stratification and Modification. <i>Anesthesiology Clinics</i> , 2022, 40, e1-e23.	1.4	4
3	A simplified (modified) Duke Activity Status Index (M-DASI) to characterise functional capacity: a secondary analysis of the Measurement of Exercise Tolerance before Surgery (METS) study. <i>British Journal of Anaesthesia</i> , 2021, 126, 181-190.	3.4	27
4	Development and evaluation of a novel preoperative surgery school and behavioural change intervention for patients undergoing elective major surgery: Fit4Surgery School. <i>Anaesthesia</i> , 2021, 76, 1207-1211.	3.8	7
5	Clinical characteristics and outcome of critically ill COVID-19 patients with acute kidney injury: a single centre cohort study. <i>BMC Nephrology</i> , 2021, 22, 92.	1.8	31
6	Current Landscape of Nutrition Within Prehabilitation Oncology Research: A Scoping Review. <i>Frontiers in Nutrition</i> , 2021, 8, 644723.	3.7	33
7	Perioperative management of patients with pulmonary hypertension undergoing non-cardiothoracic, non-obstetric surgery: a systematic review and expert consensus statement. <i>British Journal of Anaesthesia</i> , 2021, 126, 774-790.	3.4	45
8	Physiological responses during ascent to high altitude and the incidence of acute mountain sickness. <i>Physiological Reports</i> , 2021, 9, e14809.	1.7	8
9	Postoperative acute kidney injury in adult non-cardiac surgery: joint consensus report of the Acute Disease Quality Initiative and PeriOperative Quality Initiative. <i>Nature Reviews Nephrology</i> , 2021, 17, 605-618.	9.6	94
10	The use of bioelectrical impedance analysis to predict post-operative complications in adult patients having surgery for cancer: A systematic review. <i>Clinical Nutrition</i> , 2021, 40, 2914-2922.	5.0	22
11	The effects of cancer therapies on physical fitness before oesophagogastric cancer surgery: a prospective, blinded, multi-centre, observational, cohort study. <i>NIHR Open Research</i> , 2021, 1, 1.	0.0	2
12	Cardiopulmonary exercise testing has greater prognostic value than sarcopenia in oesophago-gastric cancer patients undergoing neoadjuvant therapy and surgical resection. <i>Journal of Surgical Oncology</i> , 2021, 124, 1306-1316.	1.7	8
13	Exercise Training Induces a Shift in Extracellular Redox Status with Alterations in the Pulmonary and Systemic Redox Landscape in Asthma. <i>Antioxidants</i> , 2021, 10, 1926.	5.1	5
14	Effects of dietary nitrate supplementation on microvascular physiology at 4559m altitude – A randomised controlled trial (Xtreme Alps). <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 94, 27-35.	2.7	8
15	Integration of the Duke Activity Status Index into preoperative risk evaluation: a multicentre prospective cohort study. <i>British Journal of Anaesthesia</i> , 2020, 124, 261-270.	3.4	83
16	Noninvasive ventilation for COVID-19-associated acute hypoxaemic respiratory failure: experience from a single centre. <i>British Journal of Anaesthesia</i> , 2020, 125, e368-e371.	3.4	51
17	Elective surgery cancellations due to the COVID-19 pandemic: global predictive modelling to inform surgical recovery plans. <i>British Journal of Surgery</i> , 2020, 107, 1440-1449.	0.3	931
18	Prehabilitation. <i>European Journal of Anaesthesiology</i> , 2020, 37, 259-262.	1.7	8

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19	Cardiopulmonary Exercise Testing for Preoperative Evaluation: What Does the Future Hold?. <i>Current Anesthesiology Reports</i> , 2020, 10, 1-11.	2.0	16
20	Exercise physiology: exercise performance at altitude. <i>Current Opinion in Physiology</i> , 2019, 10, 210-218.	1.8	4
21	Association of preoperative anaemia with cardiopulmonary exercise capacity and postoperative outcomes in noncardiac surgery: a substudy of the Measurement of Exercise Tolerance before Surgery (METS) Study. <i>British Journal of Anaesthesia</i> , 2019, 123, 161-169.	3.4	15
22	Enhanced flow-motion complexity of skin microvascular perfusion in Sherpas and lowlanders during ascent to high altitude. <i>Scientific Reports</i> , 2019, 9, 14391.	3.3	7
23	Myosteatosis is associated with poor physical fitness in patients undergoing hepatopancreatobiliary surgery. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 860-871.	7.3	42
24	Perioperative Quality Initiative consensus statement on postoperative blood pressure, risk and outcomes for elective surgery. <i>British Journal of Anaesthesia</i> , 2019, 122, 575-586.	3.4	68
25	Metabolomic and lipidomic plasma profile changes in human participants ascending to Everest Base Camp. <i>Scientific Reports</i> , 2019, 9, 2297.	3.3	31
26	Exercise prehabilitation may lead to augmented tumor regression following neoadjuvant chemoradiotherapy in locally advanced rectal cancer. <i>Acta Oncologica</i> , 2019, 58, 588-595.	1.8	55
27	Perioperative Quality Initiative consensus statement on intraoperative blood pressure, risk and outcomes for elective surgery. <i>British Journal of Anaesthesia</i> , 2019, 122, 563-574.	3.4	342
28	Perioperative Quality Initiative consensus statement on preoperative blood pressure, risk and outcomes for elective surgery. <i>British Journal of Anaesthesia</i> , 2019, 122, 552-562.	3.4	127
29	Perioperative Quality Initiative consensus statement on the physiology of arterial blood pressure control in perioperative medicine. <i>British Journal of Anaesthesia</i> , 2019, 122, 542-551.	3.4	66
30	Psychological factors, prehabilitation and surgical outcomes: evidence and future directions. <i>Anaesthesia</i> , 2019, 74, 36-42.	3.8	143
31	Adjunctive hyperbaric oxygen for necrotizing fasciitis. <i>The Cochrane Library</i> , 2018, 2018, CD007937.	2.8	43
32	Tricks of the trade: delivering reliable healthcare. <i>Anaesthesia</i> , 2018, 73, 671-674.	3.8	0
33	Inter-observer reliability of preoperative cardiopulmonary exercise test interpretation: a cross-sectional study. <i>British Journal of Anaesthesia</i> , 2018, 120, 475-483.	3.4	8
34	Perioperative cardiopulmonary exercise testing (CPET): consensus clinical guidelines on indications, organization, conduct, and physiological interpretation. <i>British Journal of Anaesthesia</i> , 2018, 120, 484-500.	3.4	313
35	The surgical safety checklist and patient outcomes after surgery: a prospective observational cohort study, systematic review and meta-analysis. <i>British Journal of Anaesthesia</i> , 2018, 120, 146-155.	3.4	92
36	Sustained vasomotor control of skin microcirculation in Sherpas <i>versus</i> altitude-naïve lowlanders: Experimental evidence from Xtreme Everest 2. <i>Experimental Physiology</i> , 2018, 103, 1494-1504.	2.0	11

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37	The Smell of Hypoxia: using an electronic nose at altitude and proof of concept of its role in the prediction and diagnosis of acute mountain sickness. <i>Physiological Reports</i> , 2018, 6, e13854.	1.7	4
38	Assessment of functional capacity before major non-cardiac surgery: an international, prospective cohort study. <i>Lancet, The</i> , 2018, 391, 2631-2640.	13.7	317
39	Changes in acute pulmonary vascular responsiveness to hypoxia during a progressive ascent to high altitude (5300Âm). <i>Experimental Physiology</i> , 2017, 102, 711-724.	2.0	28
40	Sublingual microcirculatory blood flow and vessel density in Sherpas at high altitude. <i>Journal of Applied Physiology</i> , 2017, 122, 1011-1018.	2.5	36
41	Critical care admission following elective surgery was not associated with survival benefit: prospective analysis of data from 27 countries. <i>Intensive Care Medicine</i> , 2017, 43, 971-979.	8.2	108
42	Cardiopulmonary Exercise Testing and Surgery. <i>Annals of the American Thoracic Society</i> , 2017, 14, S74-S83.	3.2	155
43	Exercise Testing, Supplemental Oxygen, and Hypoxia. <i>Annals of the American Thoracic Society</i> , 2017, 14, S140-S148.	3.2	9
44	Metabolic basis to Sherpa altitude adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6382-6387.	7.1	162
45	In-hospital clinical outcomes after upper gastrointestinal surgery: Data from an international observational study. <i>European Journal of Surgical Oncology</i> , 2017, 43, 2324-2332.	1.0	5
46	TCA cycle rewiring fosters metabolic adaptation to oxygen restriction in skeletal muscle from rodents and humans. <i>Scientific Reports</i> , 2017, 7, 9723.	3.3	35
47	Does hypoxia play a role in the development of sarcopenia in humans? Mechanistic insights from the Caudwell Xtreme Everest Expedition. <i>Redox Biology</i> , 2017, 13, 60-68.	9.0	30
48	Fit for surgery? Perspectives on preoperative exercise testing and training. <i>British Journal of Anaesthesia</i> , 2017, 119, i34-i43.	3.4	65
49	Caudwell Xtreme Everest: A prospective study of the effects of environmental hypoxia on cognitive functioning. <i>PLoS ONE</i> , 2017, 12, e0174277.	2.5	26
50	Caudwell Xtreme Everest: An Overview. <i>Advances in Experimental Medicine and Biology</i> , 2016, 903, 427-437.	1.6	1
51	Measurement of Exercise Tolerance before Surgery (METS) study: a protocol for an international multicentre prospective cohort study of cardiopulmonary exercise testing prior to major non-cardiac surgery. <i>BMJ Open</i> , 2016, 6, e010359.	1.9	50
52	Global patient outcomes after elective surgery: prospective cohort study in 27 low-, middle- and high-income countries. <i>British Journal of Anaesthesia</i> , 2016, 117, 601-609.	3.4	400
53	High altitude-related hypertensive crisis and acute kidney injury in an asymptomatic healthy individual. <i>Extreme Physiology and Medicine</i> , 2016, 5, 10.	2.5	9
54	Preparing the patient for surgery to improve outcomes. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2016, 30, 145-157.	4.0	102

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55	A comparison of the quality of image acquisition between the incident dark field and sidestream dark field video-microscopes. BMC Medical Imaging, 2016, 16, 10.	2.7	41
56	Cardiopulmonary Exercise Testing for Risk Prediction in Major Abdominal Surgery. Anesthesiology Clinics, 2015, 33, 1-16.	1.4	48
57	Cardiopulmonary exercise testing, prehabilitation, and Enhanced Recovery After Surgery (ERAS). Canadian Journal of Anaesthesia, 2015, 62, 131-142.	1.6	73
58	Genetic Factors Associated with Exercise Performance in Atmospheric Hypoxia. Sports Medicine, 2015, 45, 745-761.	6.5	13
59	Design and methodology of SNAP-1: a Sprint National Anaesthesia Project to measure patient reported outcome after anaesthesia. Perioperative Medicine (London, England), 2015, 4, 4.	1.5	19
60	Systemic oxygen extraction during exercise at high altitude. British Journal of Anaesthesia, 2015, 114, 677-682.	3.4	16
61	Changes in muscle proteomics in the course of the Caudwell Research Expedition to Mt. Everest. Proteomics, 2015, 15, 160-171.	2.2	38
62	Design and conduct of Xtreme Everest 2: An observational cohort study of Sherpa and lowlander responses to graduated hypobaric hypoxia. F1000Research, 2015, 4, 90.	1.6	16
63	Effects of Prolonged Exposure to Hypobaric Hypoxia on Oxidative Stress, Inflammation and Gluco-Insular Regulation: The Not-So-Sweet Price for Good Regulation. PLoS ONE, 2014, 9, e94915.	2.5	42
64	Oral Coenzyme Q10 Supplementation Does Not Prevent Cardiac Alterations During a High Altitude Trek to Everest Base Camp. High Altitude Medicine and Biology, 2014, 15, 459-467.	0.9	6
65	Everest 60 years on: what next?. Extreme Physiology and Medicine, 2013, 2, 20.	2.5	1
66	Design and conduct of "Xtreme Alps": A double-blind, randomised controlled study of the effects of dietary nitrate supplementation on acclimatisation to high altitude. Contemporary Clinical Trials, 2013, 36, 450-459.	1.8	13
67	The Young Everest Study: preliminary report of changes in sleep and cerebral blood flow velocity during slow ascent to altitude in unacclimatised children. Archives of Disease in Childhood, 2013, 98, 356-362.	1.9	16
68	Xtreme Everest 2: unlocking the secrets of the Sherpa phenotype?. Extreme Physiology and Medicine, 2013, 2, 30.	2.5	13
69	The Use of Skeletal Muscle Near Infrared Spectroscopy and a Vascular Occlusion Test at High Altitude. High Altitude Medicine and Biology, 2013, 14, 256-262.	0.9	16
70	Acclimatization of skeletal muscle mitochondria to high altitude hypoxia during an ascent of Everest. FASEB Journal, 2012, 26, 1431-1441.	0.5	138
71	Cerebral Artery Dilatation Maintains Cerebral Oxygenation at Extreme Altitude and in Acute Hypoxia: An Ultrasound and MRI Study. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2019-2029.	4.3	187
72	Stroke at High Altitude Diagnosed in the Field Using Portable Ultrasound. Wilderness and Environmental Medicine, 2011, 22, 54-57.	0.9	20

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73	Cardiac response to hypobaric hypoxia: persistent changes in cardiac mass, function, and energy metabolism after a trek to Mt. Everest Base Camp. <i>FASEB Journal</i> , 2011, 25, 792-796.	0.5	85
74	The role of nitrogen oxides in human adaptation to hypoxia. <i>Scientific Reports</i> , 2011, 1, 109.	3.3	103
75	Design and conduct of Caudwell Xtreme Everest: an observational cohort study of variation in human adaptation to progressive environmental hypoxia. <i>BMC Medical Research Methodology</i> , 2010, 10, 98.	3.1	46
76	Variation in human performance in the hypoxic mountain environment. <i>Experimental Physiology</i> , 2010, 95, 463-470.	2.0	42
77	Changes in sublingual microcirculatory flow index and vessel density on ascent to altitude. <i>Experimental Physiology</i> , 2010, 95, 880-891.	2.0	33
78	Caudwell Xtreme Everest Expedition. <i>High Altitude Medicine and Biology</i> , 2010, 11, 133-137.	0.9	27
79	The Effect of High-Altitude on Human Skeletal Muscle Energetics: 31P-MRS Results from the Caudwell Xtreme Everest Expedition. <i>PLoS ONE</i> , 2010, 5, e10681.	2.5	50
80	Arterial Blood Gases and Oxygen Content in Climbers on Mount Everest. <i>New England Journal of Medicine</i> , 2009, 360, 140-149.	27.0	399
81	Abnormal blood flow in the sublingual microcirculation at high altitude. <i>European Journal of Applied Physiology</i> , 2009, 106, 473-478.	2.5	40
82	Changes in skeletal muscle oxygenation during exercise measured by near-infrared spectroscopy on ascent to altitude. <i>Critical Care</i> , 2009, 13, S7.	5.8	20
83	The Young Everest Study: effects of hypoxia at high altitude on cardiorespiratory function and general well-being in healthy children. <i>Archives of Disease in Childhood</i> , 2009, 94, 621-626.	1.9	20
84	Mt Everest trek causes impaired cardiac high energy phosphate metabolism and diastolic impairment. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, .	3.3	0
85	Bubble trouble: a review of diving physiology and disease. <i>Postgraduate Medical Journal</i> , 2008, 84, 571-578.	1.8	88
86	The Postoperative Morbidity Survey was validated and used to describe morbidity after major surgery. <i>Journal of Clinical Epidemiology</i> , 2007, 60, 919-928.	5.0	214
87	ASA scores in the preoperative patient: feedback to clinicians can improve data quality. <i>Journal of Evaluation in Clinical Practice</i> , 2007, 13, 318-319.	1.8	8
88	Resuscitation fluids in trauma 1: why give fluid and how to give it. <i>Trauma</i> , 2006, 8, 47-53.	0.5	5
89	Can we measure the quality of perioperative care?. <i>British Journal of Hospital Medicine</i> , 2002, 63, 188-188.	0.2	0
90	Exercise testing for pre-operative evaluation. , 0, , 251-279.		4