

Michael P W Grocott

List of Publications by Year in descending order

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Version: 2024-02-01

355
papers

20,147
citations

9756

73
h-index

14702

127
g-index

366
all docs

366
docs citations

366
times ranked

16046
citing authors

#	ARTICLE	IF	CITATIONS
1	Mortality after surgery in Europe: a 7 day cohort study. <i>Lancet, The</i> , 2012, 380, 1059-1065.	6.3	1,614
2	Perioperative Fluid Management and Clinical Outcomes in Adults. <i>Anesthesia and Analgesia</i> , 2005, 100, 1093-1106.	1.1	912
3	Effect of a Perioperative, Cardiac Outputâ€“Guided Hemodynamic Therapy Algorithm on Outcomes Following Major Gastrointestinal Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2014, 311, 2181.	3.8	718
4	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.	1.5	400
5	Arterial Blood Gases and Oxygen Content in Climbers on Mount Everest. <i>New England Journal of Medicine</i> , 2009, 360, 140-149.	13.9	399
6	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.	1.5	342
7	The 2018 Lake Louise Acute Mountain Sickness Score. <i>High Altitude Medicine and Biology</i> , 2018, 19, 4-6.	0.5	324
8	Assessment of functional capacity before major non-cardiac surgery: an international, prospective cohort study. <i>Lancet, The</i> , 2018, 391, 2631-2640.	6.3	317
9	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.	1.5	313
10	Effect of intravenous Î²-2 agonist treatment on clinical outcomes in acute respiratory distress syndrome (BALTI-2): a multicentre, randomised controlled trial. <i>Lancet, The</i> , 2012, 379, 229-235.	6.3	307
11	Effect of prehabilitation on objectively measured physical fitness after neoadjuvant treatment in preoperative rectal cancer patients: a blinded interventional pilot study. <i>British Journal of Anaesthesia</i> , 2015, 114, 244-251.	1.5	273
12	American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Nutrition Screening and Therapy Within a Surgical Enhanced Recovery Pathway. <i>Anesthesia and Analgesia</i> , 2018, 126, 1883-1895.	1.1	270
13	Risk Stratification Tools for Predicting Morbidity and Mortality in Adult Patients Undergoing Major Surgery. <i>Anesthesiology</i> , 2013, 119, 959-981.	1.3	269
14	â€“Matching Michiganâ€™: a 2-year stepped interventional programme to minimise central venous catheter-blood stream infections in intensive care units in England. <i>BMJ Quality and Safety</i> , 2013, 22, 110-123.	1.8	266
15	Acute respiratory distress syndrome and acute lung injury. <i>Postgraduate Medical Journal</i> , 2011, 87, 612-622.	0.9	239
16	The Postoperative Morbidity Survey was validated and used to describe morbidity after major surgery. <i>Journal of Clinical Epidemiology</i> , 2007, 60, 919-928.	2.4	214
17	A systematic review and consensus definitions for standardised end-points in perioperative medicine: pulmonary complications. <i>British Journal of Anaesthesia</i> , 2018, 120, 1066-1079.	1.5	190
18	Cerebral Artery Dilatation Maintains Cerebral Oxygenation at Extreme Altitude and in Acute Hypoxiaâ€“An Ultrasound and MRI Study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 2019-2029.	2.4	187

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19	Oxygen Therapy in Critical Illness. <i>Critical Care Medicine</i> , 2013, 41, 423-432.	0.4	187
20	Systematic review and consensus definitions for the Standardised Endpoints in Perioperative Medicine (StEP) initiative: patient comfort. <i>British Journal of Anaesthesia</i> , 2018, 120, 705-711.	1.5	183
21	Physiology of oxygen transport. <i>BJA Education</i> , 2016, 16, 341-348.	0.6	176
22	Perioperative increase in global blood flow to explicit defined goals and outcomes after surgery: a Cochrane Systematic Review. <i>British Journal of Anaesthesia</i> , 2013, 111, 535-548.	1.5	172
23	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.	3.3	162
24	High-altitude physiology and pathophysiology: implications and relevance for intensive care medicine. <i>Critical Care</i> , 2007, 11, 203.	2.5	150
25	Cardiopulmonary exercise variables are associated with postoperative morbidity after major colonic surgery: a prospective blinded observational study. <i>British Journal of Anaesthesia</i> , 2014, 112, 665-671.	1.5	143
26	Patient reported outcome of adult perioperative anaesthesia in the United Kingdom: a cross-sectional observational study. <i>British Journal of Anaesthesia</i> , 2016, 117, 758-766r.	1.5	143
27	The physiological effects of hypobaric hypoxia versus normobaric hypoxia: a systematic review of crossover trials. <i>Extreme Physiology and Medicine</i> , 2015, 4, 2.	2.5	141
28	Acclimatization of skeletal muscle mitochondria to high altitude hypoxia during an ascent of Everest. <i>FASEB Journal</i> , 2012, 26, 1431-1441.	0.2	138
29	The effect of neoadjuvant chemotherapy on physical fitness and survival in patients undergoing oesophagogastric cancer surgery. <i>European Journal of Surgical Oncology</i> , 2014, 40, 1313-1320.	0.5	135
30	Standardizing end points in perioperative trials: towards a core and extended outcome set. <i>British Journal of Anaesthesia</i> , 2016, 116, 586-589.	1.5	135
31	Secondary analysis of outcomes after 11,085 hip fracture operations from the prospective UK Anaesthesia Sprint Audit of Practice (ASAP-2). <i>Anaesthesia</i> , 2016, 71, 506-514.	1.8	134
32	Comparison of P-POSSUM risk-adjusted mortality rates after surgery between patients in the USA and the UK. <i>British Journal of Surgery</i> , 2003, 90, 1593-1598.	0.1	132
33	Enhanced recovery from surgery in the UK: an audit of the enhanced recovery partnership programme 2009-2012. <i>British Journal of Anaesthesia</i> , 2015, 115, 560-568.	1.5	132
34	Cardiopulmonary exercise testing for the evaluation of perioperative risk in non-cardiopulmonary surgery. <i>Postgraduate Medical Journal</i> , 2011, 87, 550-557.	0.9	129
35	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.	1.5	127
36	Humans at altitude: physiology and pathophysiology. <i>Continuing Education in Anaesthesia, Critical Care & Pain</i> , 2013, 13, 17-22.	0.6	124

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37	Managing perioperative risk in patients undergoing elective non-cardiac surgery. <i>BMJ: British Medical Journal</i> , 2011, 343, d5759-d5759.	2.4	123
38	Survival after postoperative morbidity: a longitudinal observational cohort study. <i>British Journal of Anaesthesia</i> , 2014, 113, 977-984.	1.5	123
39	Effectiveness of a national quality improvement programme to improve survival after emergency abdominal surgery (EPOCH): a stepped-wedge cluster-randomised trial. <i>Lancet, The</i> , 2019, 393, 2213-2221.	6.3	123
40	Chronic Kidney Disease and Postoperative Morbidity After Elective Orthopedic Surgery. <i>Anesthesia and Analgesia</i> , 2011, 112, 1375-1381.	1.1	122
41	Patient-Satisfaction Measures in Anesthesia. <i>Anesthesiology</i> , 2013, 119, 452-478.	1.3	119
42	King of the Mountains: Tibetan and Sherpa Physiological Adaptations for Life at High Altitude. <i>Physiology</i> , 2014, 29, 388-402.	1.6	119
43	Preoperative aerobic exercise training in elective intra-cavity surgery: a systematic review. <i>British Journal of Anaesthesia</i> , 2013, 110, 679-689.	1.5	114
44	Prehabilitation and Nutritional Support to Improve Perioperative Outcomes. <i>Current Anesthesiology Reports</i> , 2017, 7, 340-349.	0.9	109
45	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.	3.9	108
46	COVID-19: a complex multisystem disorder. <i>British Journal of Anaesthesia</i> , 2020, 125, 238-242.	1.5	108
47	Perioperative exercise training in elderly subjects. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2011, 25, 461-472.	1.7	107
48	Weekend specialist intensity and admission mortality in acute hospital trusts in England: a cross-sectional study. <i>Lancet, The</i> , 2016, 388, 178-186.	6.3	107
49	Mortality of emergency general surgical patients and associations with hospital structures and processes. <i>British Journal of Anaesthesia</i> , 2016, 116, 54-62.	1.5	107
50	Validation of preoperative cardiopulmonary exercise testing-derived variables to predict in-hospital morbidity after major colorectal surgery. <i>British Journal of Surgery</i> , 2016, 103, 744-752.	0.1	105
51	The role of nitrogen oxides in human adaptation to hypoxia. <i>Scientific Reports</i> , 2011, 1, 109.	1.6	103
52	Preparing the patient for surgery to improve outcomes. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2016, 30, 145-157.	1.7	102
53	Development and internal validation of a novel risk adjustment model for adult patients undergoing emergency laparotomy surgery: the National Emergency Laparotomy Audit risk model. <i>British Journal of Anaesthesia</i> , 2018, 121, 739-748.	1.5	102
54	Parent Stress Levels During Children's Hospital Recovery After Congenital Heart Surgery. <i>Pediatric Cardiology</i> , 2010, 31, 961-968.	0.6	100

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55	Perioperative medicine: the future of anaesthesia?. <i>British Journal of Anaesthesia</i> , 2012, 108, 723-726.	1.5	99
56	Cardiopulmonary exercise testing for the prediction of morbidity risk after rectal cancer surgery. <i>British Journal of Surgery</i> , 2014, 101, 1166-1172.	0.1	98
57	Risk assessment tools validated for patients undergoing emergency laparotomy: a systematic review. <i>British Journal of Anaesthesia</i> , 2015, 115, 849-860.	1.5	94
58	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.	4.1	94
59	Exercise rehabilitation following intensive care unit discharge for recovery from critical illness. <i>The Cochrane Library</i> , 2018, 2018, CD008632.	1.5	93
60	Identifying research priorities in anaesthesia and perioperative care: final report of the joint National Institute of Academic Anaesthesia/James Lind Alliance Research Priority Setting Partnership. <i>BMJ Open</i> , 2015, 5, e010006.	0.8	92
61	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.	1.5	92
62	American Society for Enhanced Recovery and Perioperative Quality Initiative-4 Joint Consensus Statement on Persistent Postoperative Opioid Use: Definition, Incidence, Risk Factors, and Health Care System Initiatives. <i>Anesthesia and Analgesia</i> , 2019, 129, 543-552.	1.1	91
63	Perioperative buffered versus non-buffered fluid administration for surgery in adults. , 2012, 12, CD004089.		90
64	Re-designing the pathway to surgery: better care and added value. <i>Perioperative Medicine (London,)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	90
65	American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Perioperative Opioid Minimization in Opioid-Naïve Patients. <i>Anesthesia and Analgesia</i> , 2019, 129, 567-577.	1.1	89
66	Mountain mortality: a review of deaths that occur during recreational activities in the mountains. <i>Postgraduate Medical Journal</i> , 2009, 85, 316-321.	0.9	87
67	The effects of neoadjuvant chemoradiotherapy on physical fitness and morbidity in rectal cancer surgery patients. <i>European Journal of Surgical Oncology</i> , 2014, 40, 1421-1428.	0.5	87
68	Understanding gastrointestinal perfusion in critical care: so near, and yet so far. <i>Critical Care</i> , 2000, 4, 269.	2.5	86
69	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.	0.2	85
70	American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Postoperative Gastrointestinal Dysfunction Within an Enhanced Recovery Pathway for Elective Colorectal Surgery. <i>Anesthesia and Analgesia</i> , 2018, 126, 1896-1907.	1.1	84
71	Cancelled operations: a 7-day cohort study of planned adult inpatient surgery in 245 UK National Health Service hospitals. <i>British Journal of Anaesthesia</i> , 2018, 121, 730-738.	1.5	84
72	Identifying the lowest effective dose of acetazolamide for the prophylaxis of acute mountain sickness: systematic review and meta-analysis. <i>BMJ, The</i> , 2012, 345, e6779-e6779.	3.0	81

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73	Perioperative increase in global blood flow to explicit defined goals and outcomes following surgery. The Cochrane Library, 2016, 2016, CD004082.	1.5	81
74	American Society for Enhanced Recovery (ASER) and Perioperative Quality Initiative (POQI) joint consensus statement on optimal analgesia within an enhanced recovery pathway for colorectal surgery: part 1â€”from the preoperative period to PACU. Perioperative Medicine (London, England), 2017, 6, 8.	0.6	81
75	High-Risk Surgery. Anesthesia and Analgesia, 2011, 112, 891-901.	1.1	79
76	Systematic review of paediatric alert criteria for identifying hospitalised children at risk of critical deterioration. Intensive Care Medicine, 2010, 36, 600-611.	3.9	78
77	Improving perioperative brain health: an expert consensus review of key actions for the perioperative care team. British Journal of Anaesthesia, 2021, 126, 423-432.	1.5	78
78	Cerebral venous system and anatomical predisposition to highâ€”altitude headache. Annals of Neurology, 2013, 73, 381-389.	2.8	76
79	Exercise intervention in people with cancer undergoing adjuvant cancer treatment following surgery: A systematic review. European Journal of Surgical Oncology, 2015, 41, 1590-1602.	0.5	74
80	Cardiopulmonary exercise testing, prehabilitation, and Enhanced Recovery After Surgery (ERAS). Canadian Journal of Anaesthesia, 2015, 62, 131-142.	0.7	73
81	American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Patient-Reported Outcomes in an Enhanced Recovery Pathway. Anesthesia and Analgesia, 2018, 126, 1874-1882.	1.1	73
82	Clinical review: Exogenous surfactant therapy for acute lung injury/acute respiratory distress syndrome - where do we go from here?. Critical Care, 2012, 16, 238.	2.5	71
83	Exercise intervention in people with cancer undergoing neoadjuvant cancer treatment and surgery: A systematic review. European Journal of Surgical Oncology, 2016, 42, 28-38.	0.5	71
84	Quality of Reporting in Randomized Trials Published in High-Quality Surgical Journals. Journal of the American College of Surgeons, 2009, 209, 565-571e1.	0.2	70
85	Keratinocyte growth factor for the treatment of the acute respiratory distress syndrome (KARE): a randomised, double-blind, placebo-controlled phase 2 trial. Lancet Respiratory Medicine, the, 2017, 5, 484-491.	5.2	70
86	Cardiopulmonary exercise testing predicts postoperative outcome in patients undergoing gastric bypass surgery. British Journal of Anaesthesia, 2012, 109, 566-571.	1.5	69
87	The role of nutritional support in the physical and functional recovery of critically ill patients: a narrative review. Critical Care, 2017, 21, 226.	2.5	69
88	III. Oxygen therapy in anaesthesia: the yin and yang of O2. British Journal of Anaesthesia, 2013, 111, 867-871.	1.5	68
89	Perioperative Quality Initiative consensus statement on postoperative blood pressure, risk and outcomes for elective surgery. British Journal of Anaesthesia, 2019, 122, 575-586.	1.5	68
90	Hemoglobin concentration, total hemoglobin mass and plasma volume in patients: implications for anemia. Haematologica, 2017, 102, 1477-1485.	1.7	67

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91	A national survey of anaesthetists (NAP5 Baseline) to estimate an annual incidence of accidental awareness during general anaesthesia in the UK. British Journal of Anaesthesia, 2013, 110, 501-509.	1.5	66
92	Perioperative Quality Initiative consensus statement on the physiology of arterial blood pressure control in perioperative medicine. British Journal of Anaesthesia, 2019, 122, 542-551.	1.5	66
93	American Society for Enhanced Recovery (ASER) and Perioperative Quality Initiative (POQI) joint consensus statement on prevention of postoperative infection within an enhanced recovery pathway for elective colorectal surgery. Perioperative Medicine (London, England), 2017, 6, 4.	0.6	65
94	Fit for surgery? Perspectives on preoperative exercise testing and training. British Journal of Anaesthesia, 2017, 119, i34-i43.	1.5	65
95	American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Perioperative Management of Patients on Preoperative Opioid Therapy. Anesthesia and Analgesia, 2019, 129, 553-566.	1.1	64
96	Metabolic adjustment to high-altitude hypoxia: from genetic signals to physiological implications. Biochemical Society Transactions, 2018, 46, 599-607.	1.6	61
97	Multidisciplinary guidance for safe tracheostomy care during the COVID-19 pandemic: the NHS National Patient Safety Improvement Programme (NatPatSIP). Anaesthesia, 2020, 75, 1659-1670.	1.8	61
98	Coagulation effects of in vitro serial haemodilution with a balanced electrolyte hetastarch solution compared with a saline-based hetastarch solution and lactated Ringer's solution*. Anaesthesia, 2002, 57, 950-955.	1.8	59
99	Cardiopulmonary exercise testing predicts 5 yr survival after major surgery. British Journal of Anaesthesia, 2012, 109, 735-741.	1.5	58
100	Organisational factors and mortality after an emergency laparotomy: multilevel analysis of 39 903 National Emergency Laparotomy Audit patients. British Journal of Anaesthesia, 2018, 121, 1346-1356.	1.5	58
101	Concepts in hypoxia reborn. Critical Care, 2010, 14, 315.	2.5	57
102	Exercise rehabilitation following intensive care unit discharge for recovery from critical illness: executive summary of a Cochrane Collaboration systematic review. Journal of Cachexia, Sarcopenia and Muscle, 2016, 7, 520-526.	2.9	55
103	Exercise prehabilitation may lead to augmented tumor regression following neoadjuvant chemoradiotherapy in locally advanced rectal cancer. Acta Oncologica, 2019, 58, 588-595.	0.8	55
104	Physiology, Pharmacology, and Rationale for Colloid Administration for the Maintenance of Effective Hemodynamic Stability in Critically Ill Patients. Transfusion Medicine Reviews, 2005, 19, 93-109.	0.9	53
105	Immunonutrition for acute respiratory distress syndrome (ARDS) in adults. The Cochrane Library, 2019, 2019, CD012041.	1.5	53
106	Perioperative care pathways: re-engineering care to achieve the "triple aim". Anaesthesia, 2019, 74, 90-99.	1.8	52
107	Noninvasive ventilation for COVID-19-associated acute hypoxaemic respiratory failure: experience from a single centre. British Journal of Anaesthesia, 2020, 125, e368-e371.	1.5	51
108	Systematic review and consensus definitions for the Standardized Endpoints in Perioperative Medicine (StEP) initiative: cardiovascular outcomes. British Journal of Anaesthesia, 2021, 126, 56-66.	1.5	51

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109	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.	0.8	50
110	Muscle mass and physical recovery in ICU: innovations for targeting of nutrition and exercise. <i>Current Opinion in Critical Care</i> , 2017, 23, 269-278.	1.6	50
111	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.	1.1	50
112	Outcome measures for orthopaedic interventions on the hip. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2008, 90-B, 545-549.	3.4	49
113	Cardiopulmonary Exercise Testing for Risk Prediction in Major Abdominal Surgery. <i>Anesthesiology Clinics</i> , 2015, 33, 1-16.	0.6	48
114	Perioperative Medicine: The Value Proposition for Anesthesia?. <i>Anesthesiology Clinics</i> , 2015, 33, 617-628.	0.6	48
115	Revised cardiac risk index and postoperative morbidity after elective orthopaedic surgery: a prospective cohort study. <i>British Journal of Anaesthesia</i> , 2010, 105, 744-752.	1.5	47
116	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.	1.4	46
117	Systematic review and consensus definitions for the Standardised Endpoints in Perioperative Medicine initiative: clinical indicators. <i>British Journal of Anaesthesia</i> , 2019, 123, 228-237.	1.5	46
118	Perioperative cardiopulmonary exercise testing in the elderly. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2011, 25, 427-437.	1.7	45
119	Multiphasic Prehabilitation Across the Cancer Continuum: A Narrative Review and Conceptual Framework. <i>Frontiers in Oncology</i> , 2020, 10, 598425.	1.3	45
120	Exercise-Induced Systemic Venous Hypertension in the Fontan Circulation. <i>American Journal of Cardiology</i> , 2016, 117, 1667-1671.	0.7	44
121	Cohort study of preoperative blood pressure and risk of 30-day mortality after elective non-cardiac surgery. <i>British Journal of Anaesthesia</i> , 2017, 119, 65-77.	1.5	44
122	Systematic review and consensus definitions for standardised endpoints in perioperative medicine: postoperative cancer outcomes. <i>British Journal of Anaesthesia</i> , 2018, 121, 38-44.	1.5	44
123	A systematic review of the safety and efficacy of aerobic exercise during cytotoxic chemotherapy treatment. <i>Supportive Care in Cancer</i> , 2018, 26, 3337-3351.	1.0	44
124	Median nerve injury: an underrecognised complication of brachial artery cardiac catheterisation?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1997, 63, 542-546.	0.9	42
125	Variation in human performance in the hypoxic mountain environment. <i>Experimental Physiology</i> , 2010, 95, 463-470.	0.9	42
126	Effects of Prolonged Exposure to Hypobaric Hypoxia on Oxidative Stress, Inflammation and Gluco-Insular Regulation: The Not-So-Sweet Price for Good Regulation. <i>PLoS ONE</i> , 2014, 9, e94915.	1.1	42

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127	Surgical Prehabilitation. <i>Anesthesiology Clinics</i> , 2018, 36, 567-580.	0.6	42
128	Myosteatosis is associated with poor physical fitness in patients undergoing hepatopancreatobiliary surgery. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 860-871.	2.9	42
129	La standardisation des critères d'évaluation en recherche périopératoire. <i>Canadian Journal of Anaesthesia</i> , 2016, 63, 159-168.	0.7	41
130	A comparison of the quality of image acquisition between the incident dark field and sidestream dark field video-microscopes. <i>BMC Medical Imaging</i> , 2016, 16, 10.	1.4	41
131	Conservative versus liberal oxygenation targets in critically ill children: the randomised multiple-centre pilot Oxy-PICU trial. <i>Intensive Care Medicine</i> , 2018, 44, 1240-1248.	3.9	41
132	Abnormal blood flow in the sublingual microcirculation at high altitude. <i>European Journal of Applied Physiology</i> , 2009, 106, 473-478.	1.2	40
133	Patients' perceptions of quality of life during active treatment for locally advanced rectal cancer: the importance of preoperative exercise. <i>Supportive Care in Cancer</i> , 2013, 21, 3345-3353.	1.0	40
134	Angiotensin-Converting Enzyme Genotype and Successful Ascent to Extreme High Altitude. <i>High Altitude Medicine and Biology</i> , 2007, 8, 278-285.	0.5	39
135	Prognostic studies of perioperative risk: robust methodology is needed. <i>British Journal of Anaesthesia</i> , 2010, 105, 243-245.	1.5	39
136	Oxygen therapy and anaesthesia: too much of a good thing?. <i>Anaesthesia</i> , 2015, 70, 522-527.	1.8	39
137	Perioperative structure and process quality and safety indicators: a systematic review. <i>British Journal of Anaesthesia</i> , 2018, 120, 51-66.	1.5	39
138	Changes in muscle proteomics in the course of the Caudwell Research Expedition to Mt. Everest. <i>Proteomics</i> , 2015, 15, 160-171.	1.3	38
139	Preoperative abnormalities in serum sodium concentrations are associated with higher in-hospital mortality in patients undergoing major surgery. <i>British Journal of Anaesthesia</i> , 2016, 116, 63-69.	1.5	38
140	Core Outcome Measures for Perioperative and Anaesthetic Care (COMPAC): a modified Delphi process to develop a core outcome set for trials in perioperative care and anaesthesia. <i>British Journal of Anaesthesia</i> , 2022, 128, 174-185.	1.5	38
141	Metabolic monitoring in the intensive care unit: a comparison of the Medgraphics Ultima, Deltatrac II, and Douglas bag collection methods. <i>British Journal of Anaesthesia</i> , 2015, 114, 261-268.	1.5	37
142	Extracorporeal Membrane Oxygenation for Respiratory Failure. <i>Anesthesiology</i> , 2020, 132, 1257-1276.	1.3	37
143	Sublingual microcirculatory blood flow and vessel density in Sherpas at high altitude. <i>Journal of Applied Physiology</i> , 2017, 122, 1011-1018.	1.2	36
144	TCA cycle rewiring fosters metabolic adaptation to oxygen restriction in skeletal muscle from rodents and humans. <i>Scientific Reports</i> , 2017, 7, 9723.	1.6	35

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145	Optimisation of Perioperative Cardiovascular Management to Improve Surgical Outcome II (OPTIMISE II) trial: study protocol for a multicentre international trial of cardiac output-guided fluid therapy with low-dose inotrope infusion compared with usual care in patients undergoing major elective gastrointestinal surgery. <i>BMJ Open</i> , 2019, 9, e023455.	0.8	35
146	Major elective joint replacement surgery: socioeconomic variations in surgical risk, postoperative morbidity and length of stay. <i>Journal of Evaluation in Clinical Practice</i> , 2010, 16, 529-538.	0.9	34
147	National Research Strategies: what outcomes are important in perioperative elderly care?. <i>Anaesthesia</i> , 2014, 69, 61-69.	1.8	34
148	Systematic review and consensus definitions for the Standardised Endpoints in Perioperative Medicine (StEP) initiative: infection and sepsis. <i>British Journal of Anaesthesia</i> , 2019, 122, 500-508.	1.5	34
149	Changes in sublingual microcirculatory flow index and vessel density on ascent to altitude. <i>Experimental Physiology</i> , 2010, 95, 880-891.	0.9	33
150	The Effect of Neoadjuvant Chemoradiotherapy on Whole-Body Physical Fitness and Skeletal Muscle Mitochondrial Oxidative Phosphorylation In Vivo in Locally Advanced Rectal Cancer Patients – An Observational Pilot Study. <i>PLoS ONE</i> , 2014, 9, e111526.	1.1	33
151	Permissive hypoxaemia versus normoxaemia for mechanically ventilated critically ill patients. <i>The Cochrane Library</i> , 2018, 2018, CD009931.	1.5	33
152	Integrative physiology and systems biology: reductionism, emergence and causality. <i>Extreme Physiology and Medicine</i> , 2013, 2, 9.	2.5	32
153	Resuscitation fluids. <i>Vox Sanguinis</i> , 2002, 82, 1-8.	0.7	31
154	Metabolomic and lipidomic plasma profile changes in human participants ascending to Everest Base Camp. <i>Scientific Reports</i> , 2019, 9, 2297.	1.6	31
155	Vitamin-D levels and intensive care unit outcomes of a cohort of critically ill COVID-19 patients. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 1155-1163.	1.4	31
156	Simultaneous multi-depth assessment of tissue oxygen saturation in the hand and forearm using near-infrared spectroscopy during a simple cardiovascular challenge. <i>Critical Care</i> , 2009, 13, S5.	2.5	30
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304	Should perioperative management target oxygen delivery?. <i>British Journal of Anaesthesia</i> , 2004, 92, 597-598.	1.5	2
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309	Fluid Management and Its Role in Enhanced Recovery. , 2016, , 299-321.		2
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311	Call for consensus on terminology and consistent clinical pathways in relation to anaemia in perioperative patients. <i>British Journal of Anaesthesia</i> , 2016, 116, 722.	1.5	2
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