

# Anthony R Absalom

## List of Publications by Year in descending order

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Version: 2024-02-01

137  
papers

7,688  
citations

94433

37  
h-index

54911

84  
g-index

154  
all docs

154  
docs citations

154  
times ranked

7024  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurodevelopmental outcome at 2 years of age after general anaesthesia and awake-regional anaesthesia in infancy (GAS): an international multicentre, randomised controlled trial. <i>Lancet, The</i> , 2016, 387, 239-250.	13.7	865
2	Clinical Pharmacokinetics and Pharmacodynamics of Dexmedetomidine. <i>Clinical Pharmacokinetics</i> , 2017, 56, 893-913.	3.5	639
3	Neurodevelopmental outcome at 5 years of age after general anaesthesia or awake-regional anaesthesia in infancy (GAS): an international, multicentre, randomised, controlled equivalence trial. <i>Lancet, The</i> , 2019, 393, 664-677.	13.7	526
4	Pharmacokinetic models for propofol – defining and illuminating the devil in the detail. <i>British Journal of Anaesthesia</i> , 2009, 103, 26-37.	3.4	375
5	Clinical Pharmacokinetics and Pharmacodynamics of Propofol. <i>Clinical Pharmacokinetics</i> , 2018, 57, 1539-1558.	3.5	321
6	Dissociating speech perception and comprehension at reduced levels of awareness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16032-16037.	7.1	238
7	Sympathetic regulation of cerebral blood flow in humans: a review. <i>British Journal of Anaesthesia</i> , 2013, 111, 361-367.	3.4	238
8	Anaesthetic neurotoxicity and neuroplasticity: an expert group report and statement based on the BJA Salzburg Seminar. <i>British Journal of Anaesthesia</i> , 2013, 111, 143-151.	3.4	232
9	A review of postoperative cognitive dysfunction and neuroinflammation associated with cardiac surgery and anaesthesia. <i>Anaesthesia</i> , 2012, 67, 280-293.	3.8	227
10	Postoperative cognitive dysfunction: Involvement of neuroinflammation and neuronal functioning. <i>Brain, Behavior, and Immunity</i> , 2014, 38, 202-210.	4.1	223
11	Adrenocortical function in critically ill patients 24 h after a single dose of etomidate. <i>Anaesthesia</i> , 1999, 54, 861-867.	3.8	219
12	Psychological effects of ketamine in healthy volunteers. <i>British Journal of Psychiatry</i> , 2006, 189, 173-179.	2.8	201
13	Influence of steep Trendelenburg position and CO <sub>2</sub> pneumoperitoneum on cardiovascular, cerebrovascular, and respiratory homeostasis during robotic prostatectomy. <i>British Journal of Anaesthesia</i> , 2010, 104, 433-439.	3.4	200
14	Closed-loop Control of Anesthesia Using Bispectral Index. <i>Anesthesiology</i> , 2002, 96, 67-73.	2.5	186
15	Frontal Responses During Learning Predict Vulnerability to the Psychotogenic Effects of Ketamine. <i>Archives of General Psychiatry</i> , 2006, 63, 611.	12.3	169
16	Changes in Resting Neural Connectivity during Propofol Sedation. <i>PLoS ONE</i> , 2010, 5, e14224.	2.5	168
17	A General Purpose Pharmacokinetic Model for Propofol. <i>Anesthesia and Analgesia</i> , 2014, 118, 1221-1237.	2.2	152
18	Target-Controlled Infusion. <i>Anesthesia and Analgesia</i> , 2016, 122, 70-78.	2.2	131

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19	Closed-loop control of propofol anaesthesia using bispectral index $\hat{a}_{\text{c}}$ : performance assessment in patients receiving computer-controlled propofol and manually controlled remifentanil infusions for minor surgery. <i>British Journal of Anaesthesia</i> , 2003, 90, 737-741.	3.4	125
20	The History of Target-Controlled Infusion. <i>Anesthesia and Analgesia</i> , 2016, 122, 56-69.	2.2	105
21	Performance Evaluation of Two Published Closed-loop Control Systems Using Bispectral Index Monitoring. <i>Anesthesiology</i> , 2004, 100, 640-647.	2.5	101
22	Transferring the critically ill patient: are we there yet?. <i>Critical Care</i> , 2015, 19, 62.	5.8	101
23	Incidence of Connected Consciousness after Tracheal Intubation. <i>Anesthesiology</i> , 2017, 126, 214-222.	2.5	88
24	An Allometric Model of Remifentanil Pharmacokinetics and Pharmacodynamics. <i>Anesthesiology</i> , 2017, 126, 1005-1018.	2.5	87
25	Individual Differences in Psychotic Effects of Ketamine Are Predicted by Brain Function Measured under Placebo. <i>Journal of Neuroscience</i> , 2008, 28, 6295-6303.	3.6	81
26	Development of an Optimized Pharmacokinetic Model of Dexmedetomidine Using Target-controlled Infusion in Healthy Volunteers. <i>Anesthesiology</i> , 2015, 123, 357-367.	2.5	77
27	Exploring the Impact of Ketamine on the Experience of Illusory Body Ownership. <i>Biological Psychiatry</i> , 2011, 69, 35-41.	1.3	73
28	An Evaluation of Using Population Pharmacokinetic Models to Estimate Pharmacodynamic Parameters for Propofol and Bispectral Index in Children. <i>Anesthesiology</i> , 2011, 115, 83-93.	2.5	72
29	Closed Loop Anesthesia. <i>Anesthesia and Analgesia</i> , 2011, 112, 516-518.	2.2	70
30	The Safety of Target-Controlled Infusions. <i>Anesthesia and Analgesia</i> , 2016, 122, 79-85.	2.2	67
31	A systematic review of methodology applied during preclinical anesthetic neurotoxicity studies: important issues and lessons relevant to the design of future clinical research. <i>Paediatric Anaesthesia</i> , 2016, 26, 6-36.	1.1	62
32	Off-Pump CABG Surgery Reduces Systemic Inflammation Compared With On-Pump Surgery but Does Not Change Systemic Endothelial Responses. <i>Shock</i> , 2014, 42, 121-128.	2.1	56
33	Hypotension during propofol sedation for colonoscopy: a retrospective exploratory analysis and meta-analysis. <i>British Journal of Anaesthesia</i> , 2022, 128, 610-622.	3.4	53
34	Ketamine Effects on Memory Reconsolidation Favor a Learning Model of Delusions. <i>PLoS ONE</i> , 2013, 8, e65088.	2.5	51
35	Neural correlates of successful semantic processing during propofol sedation. <i>Human Brain Mapping</i> , 2014, 35, 2935-2949.	3.6	49
36	Anaesthesia for awake craniotomy. <i>British Journal of Anaesthesia</i> , 2016, 116, 740-744.	3.4	47

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37	Obesity and Allometric Scaling of Pharmacokinetics. <i>Clinical Pharmacokinetics</i> , 2011, 50, 751-753.	3.5	43
38	Pharmacology in the elderly and newer anaesthesia drugs. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2011, 25, 355-365.	4.0	42
39	Accuracy of the Composite Variability Index as a Measure of the Balance Between Nociception and Antinociception During Anesthesia. <i>Anesthesia and Analgesia</i> , 2014, 119, 288-301.	2.2	42
40	Cognitive decline after major oncological surgery in the elderly. <i>European Journal of Cancer</i> , 2017, 86, 394-402.	2.8	41
41	Association Between Prehospital Tranexamic Acid Administration and Outcomes of Severe Traumatic Brain Injury. <i>JAMA Neurology</i> , 2021, 78, 338.	9.0	38
42	Prospective clinical validation of the Eleveld propofol pharmacokinetic-pharmacodynamic model in general anaesthesia. <i>British Journal of Anaesthesia</i> , 2021, 126, 386-394.	3.4	36
43	Update on anesthetic neuroprotection. <i>Current Opinion in Anaesthesiology</i> , 2015, 28, 424-430.	2.0	34
44	Drug selection for ambulatory procedural sedation. <i>Current Opinion in Anaesthesiology</i> , 2018, 31, 673-678.	2.0	33
45	Moderate-to-Deep Sedation Using Target-Controlled Infusions of Propofol and Remifentanyl: Adverse Events and Risk Factors: A Retrospective Cohort Study of 2937 Procedures. <i>Anesthesia and Analgesia</i> , 2020, 131, 1173-1183.	2.2	30
46	Comparisons of Electroencephalographically Derived Measures of Hypnosis and Antinociception in Response to Standardized Stimuli During Target-Controlled Propofol-Remifentanyl Anesthesia. <i>Anesthesia and Analgesia</i> , 2016, 122, 382-392.	2.2	28
47	Long-term outcome of elderly out-of-hospital cardiac arrest survivors as compared with their younger counterparts and the general population. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2018, 12, 341-349.	2.1	25
48	Target-controlled-infusion models for remifentanyl dosing consistent with approved recommendations. <i>British Journal of Anaesthesia</i> , 2020, 125, 483-491.	3.4	25
49	Effect of Anesthesia on Microelectrode Recordings During Deep Brain Stimulation Surgery: A Narrative Review. <i>Journal of Neurosurgical Anesthesiology</i> , 2021, 33, 300-307.	1.2	24
50	Administration and monitoring of intravenous anesthetics. <i>Current Opinion in Anaesthesiology</i> , 2010, 23, 734-740.	2.0	23
51	Long-term outcome of patients after out-of-hospital cardiac arrest in relation to treatment: a single-centre study. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2016, 5, 328-338.	1.0	23
52	Population pharmacokinetics and pharmacodynamics in anesthesia, intensive care and pain medicine. <i>Current Opinion in Anaesthesiology</i> , 2010, 23, 479-484.	2.0	21
53	Postoperative neurocognitive disorders. <i>Korean Journal of Anesthesiology</i> , 2021, 74, 15-22.	2.5	21
54	Vitamin Status and the Development of Postoperative Cognitive Decline in Elderly Surgical Oncologic Patients. <i>Annals of Surgical Oncology</i> , 2018, 25, 231-238.	1.5	20

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55	A novel method to detect accidental oesophageal intubation based on ventilation pressure waveforms. <i>Resuscitation</i> , 2012, 83, 177-182.	3.0	19
56	Preterm infants undergoing laparotomy for necrotizing enterocolitis or spontaneous intestinal perforation display evidence of impaired cerebrovascular autoregulation. <i>Early Human Development</i> , 2018, 118, 25-31.	1.8	17
57	The association between the inflammatory response to surgery and postoperative complications in older patients with cancer; a prospective prognostic factor study. <i>Journal of Geriatric Oncology</i> , 2020, 11, 873-879.	1.0	16
58	The association of preoperative anxiety and depression with neurocognitive disorder following oncological surgery. <i>Journal of Surgical Oncology</i> , 2020, 121, 676-687.	1.7	16
59	The association between the inflammatory response following surgery and post-operative delirium in older oncological patients: a prospective cohort study. <i>Age and Ageing</i> , 2022, 51, .	1.6	16
60	BIS and spectral entropy monitoring during sedation with midazolam/remifentanil and dexmedetomidine/remifentanil. <i>Critical Care</i> , 2009, 13, 137.	5.8	14
61	Performance And Agreement Of Risk Stratification Instruments For Postoperative Delirium In Persons Aged 50 Years Or Older. <i>PLoS ONE</i> , 2014, 9, e113946.	2.5	14
62	NAP5: the tip of the iceberg, or all we need to know?. <i>British Journal of Anaesthesia</i> , 2014, 113, 527-530.	3.4	14
63	Sampling issues of cerebrospinal fluid and plasma monoamines: Investigation of the circadian rhythm and rostrocaudal concentration gradient. <i>Neurochemistry International</i> , 2019, 128, 154-162.	3.8	14
64	Dexmedetomidine versus morphine infusion following laparoscopic bariatric surgery: effect on supplemental narcotic requirement during the first 24h. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016, 30, 3368-3374.	2.4	13
65	Review of 14 drowning publications based on the Utstein style for drowning. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2018, 26, 19.	2.6	12
66	The systemic impact of a surgical procedure in older oncological patients. <i>European Journal of Surgical Oncology</i> , 2019, 45, 1403-1409.	1.0	12
67	Collateral Ventilation Measurement Using Chartis. <i>Chest</i> , 2019, 156, 984-990.	0.8	12
68	Land of confusion: anaesthetic management during thrombectomy for acute ischaemic stroke. <i>British Journal of Anaesthesia</i> , 2019, 122, 300-304.	3.4	12
69	Intranasal dexmedetomidine in elderly subjects with or without beta blockade: a randomised double-blind single-ascending-dose cohort study. <i>British Journal of Anaesthesia</i> , 2020, 124, 411-419.	3.4	12
70	Influence of Anesthesia and Clinical Variables on the Firing Rate, Coefficient of Variation and Multi-Unit Activity of the Subthalamic Nucleus in Patients with Parkinson's Disease. <i>Journal of Clinical Medicine</i> , 2020, 9, 1229.	2.4	12
71	Design of Clinical Trials Evaluating Sedation in Critically Ill Adults Undergoing Mechanical Ventilation: Recommendations From Sedation Consortium on Endpoints and Procedures for Treatment, Education, and Research (SCEPTER) Recommendation III. <i>Critical Care Medicine</i> , 2021, 49, 1684-1693.	0.9	11
72	Elevated cerebrospinal fluid glucose levels and diabetes mellitus are associated with activation of the neurotoxic polyol pathway. <i>Diabetologia</i> , 2022, 65, 1098-1107.	6.3	11

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73	Troubleshooting the rat model of cardiopulmonary bypass: Effects of avoiding blood transfusion on long-term survival, inflammation and organ damage. <i>Journal of Pharmacological and Toxicological Methods</i> , 2013, 67, 82-90.	0.7	10
74	S1P1 Receptor Modulation Preserves Vascular Function in Mesenteric and Coronary Arteries after CPB in the Rat Independent of Depletion of Lymphocytes. <i>PLoS ONE</i> , 2014, 9, e97196.	2.5	10
75	The Intraoperative Microlesion Effect Positively Correlates With the Short-Term Clinical Effect of Deep Brain Stimulation in Parkinson's Disease. <i>Neuromodulation</i> , 2023, 26, 459-465.	0.8	9
76	Serial CSF sampling over a period of 30Âh via an indwelling spinal catheter in healthy volunteers: headache, back pain, tolerability and measured acetylcholine profile. <i>European Journal of Clinical Pharmacology</i> , 2013, 69, 1083-1090.	1.9	8
77	Brain changes due to hypoxia during light anaesthesia can be prevented by deepening anaesthesia; a study in rats. <i>PLoS ONE</i> , 2018, 13, e0193062.	2.5	8
78	Effect of Anesthesia on Microelectrode Recordings during Deep Brain Stimulation Surgery in Tourette Syndrome Patients. <i>Stereotactic and Functional Neurosurgery</i> , 2019, 97, 225-231.	1.5	8
79	Deâ€mystifying the â€œMixifusorâ€¸ <i>Paediatric Anaesthesia</i> , 2020, 30, 1292-1298.	1.1	8
80	The role of pharmacokinetics and pharmacodynamics in clinical anaesthesia practice. <i>Current Opinion in Anaesthesiology</i> , 2020, 33, 483-489.	2.0	8
81	Preoperative Inflammatory Markers as a Predictor of Three-Year Overall Survival in Older Cancer Patients Undergoing Oncologic Surgery. <i>Cancers</i> , 2021, 13, 1824.	3.7	8
82	Allometric Scaling in Pharmacokinetic Studies in Anesthesiology. <i>Anesthesiology</i> , 2022, 136, 609-617.	2.5	8
83	The Anaesthetic Biobank of Cerebrospinal fluid: a unique repository for neuroscientific biomarker research. <i>Annals of Translational Medicine</i> , 2021, 9, 455-455.	1.7	7
84	Cholesterol profile in women with premature menopause after risk reducing salpingo-oophorectomy. <i>Familial Cancer</i> , 2019, 18, 19-27.	1.9	6
85	The importance of the intensive care unit environment in sleepâ€”A study with healthy participants. <i>Journal of Sleep Research</i> , 2020, 29, e12959.	3.2	6
86	The association of preoperative anxiety and depression with neurocognitive disorder following oncological surgery. <i>Journal of Surgical Oncology</i> , 2020, 122, 564-565.	1.7	6
87	Comparison of renal region, cerebral and peripheral oxygenation for predicting postoperative renal impairment after CABG. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 735-743.	1.6	6
88	Modeling the Effect of Excitation on Depth of Anesthesia Monitoring in Î³-Aminobutyric Acid Type A Receptor Agonist ABP-700. <i>Anesthesiology</i> , 2021, 134, 35-51.	2.5	6
89	Near-infrared spectroscopy monitoring during endovascular treatment for acute ischaemic stroke. <i>European Stroke Journal</i> , 2022, 7, 384-392.	5.5	6
90	Intravenous Anesthetic Agents. , 2008, , 51-55.		5

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91	Does it matter how you get from D (drug dose) to E (clinical effect)?. Paediatric Anaesthesia, 2015, 25, 544-545.	1.1	5
92	Importance of proper conduct of clinical trials. British Journal of Anaesthesia, 2021, 126, 354-356.	3.4	5
93	Intranasal midazolam for the sedation of geriatric patients with care-resistant behaviour during essential dental treatment: An observational study. Gerodontology, 2021, , .	2.0	5
94	Impact of Procedural Sedation on the Clinical Outcome of Microelectrode Recording Guided Deep Brain Stimulation in Patients with Parkinson's Disease. Journal of Clinical Medicine, 2021, 10, 1557.	2.4	5
95	Utility of the SmartPilot® View advisory screen to improve anaesthetic drug titration and postoperative outcomes in clinical practice: a two-centre prospective observational trial. British Journal of Anaesthesia, 2022, 128, 959-970.	3.4	5
96	A hitchhiker's guide to the intravenous PK/PD galaxy. Paediatric Anaesthesia, 2011, 21, 915-918.	1.1	4
97	Metformin and lactic acidosis during shock: just the tip of the iceberg?. Critical Care, 2016, 20, 158.	5.8	3
98	Anesthesia. Anesthesia and Analgesia, 2018, 126, 1409-1412.	2.2	3
99	Anxiolytics, sedatives and hypnotics. Anaesthesia and Intensive Care Medicine, 2013, 14, 355-360.	0.2	2
100	Automatic detection of oesophageal intubation based on ventilation pressure waveforms shows high sensitivity and specificity in patients with pulmonary disease. Resuscitation, 2016, 105, 36-40.	3.0	2
101	Resisting neural inertia: an exercise in floccinaucinihilipilification?. British Journal of Anaesthesia, 2021, 126, 31-34.	3.4	2
102	Clinical validation of pharmacokinetic/pharmacodynamic models for propofol infusion. Response to Br J Anaesth 2021: 126: e172-4. British Journal of Anaesthesia, 2021, 127, e3-e5.	3.4	2
103	Performance of Basic Life Support by Lifeboat Crewmembers While Wearing a Survival Suit and Life Vest: A Randomized Controlled Trial. Frontiers in Public Health, 2021, 9, 666553.	2.7	2
104	Positron Emission Tomography (PET) Imaging of Opioid Receptors. , 2014, , 585-623.		2
105	Are we on the right track in DBS surgery for dystonic head tremor? Polymyography is a promising answer. Parkinsonism and Related Disorders, 2021, 93, 74-76.	2.2	2
106	Anxiolytics, sedatives and hypnotics. Anaesthesia and Intensive Care Medicine, 2007, 8, 340-344.	0.2	1
107	Tied up in science: unknotting an old anaesthetic problem. BMJ, The, 2013, 347, f6735-f6735.	6.0	1
108	Anxiolytics, sedatives and hypnotics. Anaesthesia and Intensive Care Medicine, 2016, 17, 411-417.	0.2	1

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109	You canâ€™t manage what you donâ€™t measure. Journal of Clinical Monitoring and Computing, 2016, 30, 253-254.	1.6	1
110	A prospective pilot study assessing levels of preoperative physical activity and postoperative neurocognitive disorder among patients undergoing elective coronary artery bypass graft surgery. PLoS ONE, 2020, 15, e0240128.	2.5	1
111	Intramuscular tranexamic acid: a real-world application of pharmacokinetics. British Journal of Anaesthesia, 2021, 126, 17-20.	3.4	1
112	Comment on Morse et al. A Universal Pharmacokinetic Model for Dexmedetomidine in Children and Adults. J. Clin. Med. 2020, 9, 3480. Journal of Clinical Medicine, 2021, 10, 3003.	2.4	1
113	Perioperative glucocorticoid supplementation for patients undergoing endoscopic transsphenoidal pituitary tumour surgery: using a sledgehammer to crack a nut?. British Journal of Anaesthesia, 2021, 127, 181-184.	3.4	1
114	Anaesthesia and PET of the Brain. , 2021, , 1123-1148.		1
115	Whatâ€™s New in Intravenous Anaesthesia? New Hypnotics, New Models and New Applications. Journal of Clinical Medicine, 2022, 11, 3493.	2.4	1
116	Advanced neurological monitoring. Surgery, 2006, 24, 337-340.	0.3	0
117	Opioids and Adjuvant Drugs. , 2008, , 59-63.		0
118	Infections of the central nervous system. Anaesthesia and Intensive Care Medicine, 2009, 10, 144-147.	0.2	0
119	Anxiolytics, sedatives and hypnotics. Anaesthesia and Intensive Care Medicine, 2010, 11, 330-335.	0.2	0
120	Postoperative cognitive disfunctie en neuroinflammatie na hartchirurgie. Neuropraxis, 2012, 16, 149-156.	0.1	0
121	Anaesthesia and PET of the Brain. , 2014, , 987-1009.		0
122	In Response. Anesthesia and Analgesia, 2015, 120, 693-694.	2.2	0
123	Intravenous Infusions for Sedation: Rationale, State of the Art, and Future Trends. , 2015, , 615-631.		0
124	Finding the fine line between pleasure and pain. British Journal of Anaesthesia, 2020, 124, 241-242.	3.4	0
125	Intravenous Infusions for Sedation: Rationale, State of the Art, and Future Trends. , 2021, , 755-771.		0
126	Stability of BIS with Schnider or modified Marsh effect-site targeted infusions : as you like it, or much ado about nothing?. Southern African Journal of Anaesthesia and Analgesia, 2021, 27, 64-68.	0.3	0



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127	PEACHY, another fruitful study. British Journal of Anaesthesia, 2021, 127, 828-830.	3.4	0
128	Closed Loop Control of General Anaesthesia. , 2000, , 89-98.		0
129	Anesthesia for Patients with Head Injury. , 2008, , 150-154.		0
130	Intravenous Infusions for Sedation: Rationale, State of the Art, and Future Trends. , 2012, , 447-466.		0
131	Dissociative Anesthetics. , 2014, , 1-6.		0
132	Dissociative Anesthetics. , 2015, , 522-526.		0
133	Title is missing!. , 2020, 15, e0240128.		0
134	Title is missing!. , 2020, 15, e0240128.		0
135	Title is missing!. , 2020, 15, e0240128.		0
136	Title is missing!. , 2020, 15, e0240128.		0
137	The appropriate way to measure blood pressure for sedated colonoscopy. Response to Br J Anaesth 2022. British Journal of Anaesthesia, 2022, , .	3.4	0