

Robert H Thiele

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

3,169
citations

218677

26
h-index

161849

54
g-index

102
all docs

102
docs citations

102
times ranked

3668
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardization of Care: Impact of an Enhanced Recovery Protocol on Length of Stay, Complications, and Direct Costs after Colorectal Surgery. <i>Journal of the American College of Surgeons</i> , 2015, 220, 430-443.	0.5	343
2	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.	2.2	270
3	AKI Associated with Cardiac Surgery. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 500-514.	4.5	232
4	American Society for Enhanced Recovery (ASER) and Perioperative Quality Initiative (POQI) joint consensus statement on perioperative fluid management within an enhanced recovery pathway for colorectal surgery. <i>Perioperative Medicine (London, England)</i> , 2016, 5, 24.	1.5	155
5	Enhanced Recovery Implementation in Major Gynecologic Surgeries. <i>Obstetrics and Gynecology</i> , 2016, 128, 457-466.	2.4	154
6	Implementing a Thoracic Enhanced Recovery Program: Lessons Learned in the First Year. <i>Annals of Thoracic Surgery</i> , 2018, 105, 1597-1604.	1.3	128
7	Cardiac Output Monitoring. <i>Critical Care Medicine</i> , 2015, 43, 177-185.	0.9	120
8	The Clinical Implications of Isolated Alpha1 Adrenergic Stimulation. <i>Anesthesia and Analgesia</i> , 2011, 113, 297-304.	2.2	108
9	Arterial Waveform Analysis for the Anesthesiologist. <i>Anesthesia and Analgesia</i> , 2011, 113, 766-776.	2.2	103
10	The Physiologic Implications of Isolated Alpha1 Adrenergic Stimulation. <i>Anesthesia and Analgesia</i> , 2011, 113, 284-296.	2.2	97
11	Blood Pressure Monitoring for the Anesthesiologist: A Practical Review. <i>Anesthesia and Analgesia</i> , 2016, 122, 1866-1879.	2.2	89
12	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.	2.2	84
13	American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Patient-Reported Outcomes in an Enhanced Recovery Pathway. <i>Anesthesia and Analgesia</i> , 2018, 126, 1874-1882.	2.2	73
14	Preoperative Statin Administration Is Associated With Lower Mortality and Decreased Need for Postoperative Hemodialysis in Patients Undergoing Coronary Artery Bypass Graft Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2009, 23, 468-473.	1.3	63
15	Reducing Readmissions While Shortening Length of Stay: The Positive Impact of an Enhanced Recovery Protocol in Colorectal Surgery. <i>Diseases of the Colon and Rectum</i> , 2017, 60, 219-227.	1.3	63
16	Speed, accuracy, and confidence in Google, Ovid, PubMed, and UpToDate: results of a randomised trial. <i>Postgraduate Medical Journal</i> , 2010, 86, 459-465.	1.8	54
17	In silico modelling of physiologic systems. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2011, 25, 499-510.	4.0	54
18	Ability of the Masimo pulse CO-Oximetry to detect changes in hemoglobin. <i>Journal of Clinical Monitoring and Computing</i> , 2012, 26, 69-73.	1.6	54

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19	Strict Glucose Control Does Not Affect Mortality after Aneurysmal Subarachnoid Hemorrhage. <i>Anesthesiology</i> , 2009, 110, 603-610.	2.5	43
20	American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on the Role of Neuromonitoring in Perioperative Outcomes: Cerebral Near-Infrared Spectroscopy. <i>Anesthesia and Analgesia</i> , 2020, 131, 1444-1455.	2.2	38
21	Duration of red blood cell storage and outcomes following orthotopic liver transplantation. <i>Liver Transplantation</i> , 2012, 18, 475-481.	2.4	37
22	A 2014 Update on Coagulation Management for Cardiopulmonary Bypass. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2014, 18, 177-189.	1.0	35
23	Enhanced recovery program for minimally invasive and vaginal urogynecologic surgery. <i>International Urogynecology Journal</i> , 2019, 30, 313-321.	1.4	33
24	Advances in photoplethysmography: beyond arterial oxygen saturation. <i>Canadian Journal of Anaesthesia</i> , 2015, 62, 1313-1328.	1.6	31
25	Inter-device differences in monitoring for goal-directed fluid therapy. <i>Canadian Journal of Anaesthesia</i> , 2015, 62, 169-181.	1.6	31
26	Technological Assessment and Objective Evaluation of Minimally Invasive and Noninvasive Cardiac Output Monitoring Systems. <i>Anesthesiology</i> , 2020, 133, 921-928.	2.5	29
27	Rational fluid management in today's ICU practice. <i>Critical Care</i> , 2013, 17, S6.	5.8	27
28	Spontaneous Spinal Epidural Hematoma of Unknown Etiology: Case Report and Literature Review. <i>Neurocritical Care</i> , 2008, 9, 242-246.	2.4	25
29	Goal-directed resuscitation following cardiac surgery reduces acute kidney injury: A quality initiative pre- and post analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1868-1877.e1.	0.8	24
30	Use of the intrathoracic pressure regulator to lower intracranial pressure in patients with altered intracranial elastance: a pilot study. <i>Journal of Neurosurgery</i> , 2013, 119, 756-759.	1.6	22
31	The "six sigma approach" to the operating room environment and infection. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2008, 22, 537-552.	4.0	21
32	Dynamic Indices of Mitral Valve Function Using Perioperative Three-Dimensional Transesophageal Echocardiography. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014, 28, 18-24.	1.3	21
33	A pilot study of patient-centered outcome assessment using PROMIS for patients undergoing colorectal surgery. <i>Supportive Care in Cancer</i> , 2017, 25, 3103-3112.	2.2	21
34	Subcellular Energetics and Metabolism: A Cross-Species Framework. <i>Anesthesia and Analgesia</i> , 2017, 124, 1857-1871.	2.2	21
35	Implementation of an Enhanced Recovery Protocol Is Associated With On-Time Initiation of Adjuvant Chemotherapy in Colorectal Cancer. <i>Diseases of the Colon and Rectum</i> , 2019, 62, 1305-1315.	1.3	21
36	Wearable Technology in the Perioperative Period: Predicting Risk of Postoperative Complications in Patients Undergoing Elective Colorectal Surgery. <i>Diseases of the Colon and Rectum</i> , 2020, 63, 538-544.	1.3	20

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37	Non-invasive estimation of jugular venous oxygen saturation: a comparison between near infrared spectroscopy and transcutaneous venous oximetry. <i>Journal of Clinical Monitoring and Computing</i> , 2012, 26, 91-98.	1.6	19
38	The Effect of the Intrathoracic Pressure Regulator on Hemodynamics and Cardiac Output. <i>Shock</i> , 2011, 35, 114-116.	2.1	18
39	American Society for Enhanced Recovery: Advancing Enhanced Recovery and Perioperative Medicine. <i>Anesthesia and Analgesia</i> , 2018, 126, 1870-1873.	2.2	18
40	Multicenter Observational Study Examining the Implementation of Enhanced Recovery Within the Virginia Surgical Quality Collaborative in Patients Undergoing Elective Colectomy. <i>Journal of the American College of Surgeons</i> , 2019, 229, 374-382e3.	0.5	17
41	Perioperative blood pressure monitoring. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2019, 33, 127-138.	4.0	17
42	Data Agnosticism and Implications on Method Comparison Studies. <i>Anesthesia and Analgesia</i> , 2015, 121, 264-266.	2.2	16
43	Impact of inflammation on brain subcellular energetics in anesthetized rats. <i>BMC Neuroscience</i> , 2019, 20, 34.	1.9	16
44	Outcome of Organ Dysfunction in the Perioperative Period. <i>Anesthesia and Analgesia</i> , 2021, 133, 393-405.	2.2	16
45	Transcutaneous Regional Venous Oximetry. <i>Anesthesia and Analgesia</i> , 2011, 112, 1353-1357.	2.2	15
46	Admission hyperglycemia is associated with poor outcome after emergent coronary bypass grafting surgery. <i>Journal of Critical Care</i> , 2015, 30, 1210-1216.	2.2	13
47	Hemodynamic monitoring in thoracic surgical patients. <i>Current Opinion in Anaesthesiology</i> , 2017, 30, 7-16.	2.0	13
48	Wearable technology and the association of perioperative activity level with 30-day readmission among patients undergoing major colorectal surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, 36, 1584-1592.	2.4	13
49	Cardiac Bulldozers, Backhoes, and Blood Pressure. <i>Anesthesia and Analgesia</i> , 2015, 121, 1417-1419.	2.2	12
50	Acute Kidney Injury in the Age of Enhanced Recovery Protocols. <i>Diseases of the Colon and Rectum</i> , 2018, 61, 946-954.	1.3	12
51	Extracorporeal life support for adult cardiopulmonary failure. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2015, 29, 229-239.	4.0	11
52	The Ability of Anesthesia Providers to Visually Estimate Systolic Pressure Variability Using the "Eyeball" Technique. <i>Anesthesia and Analgesia</i> , 2012, 115, 176-181.	2.2	10
53	Haptoglobin 2 phenotype Is Associated With Increased Acute Kidney Injury After Elective Cardiac Surgery in Patients With Diabetes Mellitus. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	10
54	Development and Impact of an Institutional Enhanced Recovery Program on Opioid Use, Length of Stay, and Hospital Costs Within an Academic Medical Center: A Cohort Analysis of 7774 Patients. <i>Anesthesia and Analgesia</i> , 2021, 132, 442-455.	2.2	10

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55	Relationship Between Plethysmographic Waveform Changes and Hemodynamic Variables in Anesthetized, Mechanically Ventilated Patients Undergoing Continuous Cardiac Output Monitoring. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2011, 25, 1044-1050.	1.3	9
56	Non-invasive, minute-to-minute estimates of systemic arterial pressure and pulse pressure variation using radial artery tonometry. <i>Journal of Medical Engineering and Technology</i> , 2013, 37, 197-202.	1.4	8
57	Radial-femoral concordance in time and frequency domain-based estimates of systemic arterial respiratory variation. <i>Journal of Clinical Monitoring and Computing</i> , 2012, 26, 393-400.	1.6	7
58	Tissue Monitoring with Three-Wavelength Light Emitting Diode-Based Near-Infrared Spectroscopy. <i>Journal of Reconstructive Microsurgery</i> , 2016, 32, 712-718.	1.8	7
59	Detection of intratracheal accumulation of thick secretions by using continuous monitoring of respiratory acoustic spectrum: a preliminary analysis. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 763-770.	1.6	7
60	Non-contact thermography-based respiratory rate monitoring in a post-anesthetic care unit. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 1291-1297.	1.6	7
61	Anesthesia-Sepsis-Associated Alterations in Liver Gene Expression Profiles and Mitochondrial Oxidative Phosphorylation Complexes. <i>Frontiers in Medicine</i> , 2020, 7, 581082.	2.6	7
62	Perioperative morbidity. <i>Current Opinion in Critical Care</i> , 2012, 18, 358-365.	3.2	6
63	Manipulation of Hyperbaric Lidocaine Using a Weak Magnetic Field. <i>Anesthesia and Analgesia</i> , 2012, 114, 1365-1367.	2.2	6
64	Assessment of the agreement between photoplethysmographic and arterial waveform respiratory variation in patients undergoing spine surgery. <i>Journal of Medical Engineering and Technology</i> , 2013, 37, 409-415.	1.4	6
65	Subcellular Energetics and Metabolism: Potential Therapeutic Applications. <i>Anesthesia and Analgesia</i> , 2017, 124, 1872-1885.	2.2	6
66	Broadband near-infrared spectroscopy can detect cyanide-induced cytochrome aa3 inhibition in rats: a proof of concept study. <i>Canadian Journal of Anaesthesia</i> , 2017, 64, 376-384.	1.6	6
67	Apopenia and anesthesia: how we sometimes change our practice prematurely. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 1185-1196.	1.6	6
68	Real-Time Doppler-Based Arterial Vascular Impedance and Peripheral Pressure-Flow Loops: A Pilot Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014, 28, 36-41.	1.3	5
69	One small wearable, one giant leap for patient safety?. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 1-4.	1.6	5
70	Comparison of Broadband and Discrete Wavelength Near-Infrared Spectroscopy Algorithms for the Detection of Cytochrome aa3 Reduction. <i>Anesthesia and Analgesia</i> , 2019, 129, 1273-1280.	2.2	4
71	Preoperative opioid use is associated with increased risk of postoperative complications within a colorectal-enhanced recovery protocol. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 2067-2074.	2.4	4
72	Molecular and Cellular Response of the Myocardium (H9C2 Cells) Towards Hypoxia and HIF-1 α Inhibition. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	2.4	4

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73	Anesthesia and intensive care management of patients with brain tumors. , 2012, , 249-281.		3
74	The relationship between the area of peripherally-derived pressure volume loops and systemic vascular resistance. Journal of Clinical Monitoring and Computing, 2013, 27, 689-696.	1.6	3
75	Brain Tissue Oximetry. Anesthesia and Analgesia, 2017, 124, 2091-2092.	2.2	3
76	Agreement Between Transesophageal Echocardiography and Thermodilution-Based Cardiac Output. Anesthesia and Analgesia, 2018, 127, 329-330.	2.2	3
77	Methylene blue treatment for vasoplegia and resultant isoelectric processed EEG (Bispectral Index). Journal of Clinical Anesthesia, 2012, 24, 511-513.	1.6	2
78	Frequency domain analysis of cerebral near infrared spectroscopy signals during application of an impedance threshold device in spontaneously ventilating volunteers. Journal of Clinical Monitoring and Computing, 2016, 30, 389-398.	1.6	2
79	Aligning Health Care and Academia: The Clinician Innovator. Academic Medicine, 2018, 93, 960-961.	1.6	2
80	The Impact of Alvimopan on Return of Bowel Function After Major Spine Surgery – A Prospective, Randomized, Double-Blind Study. Neurosurgery, 2019, 85, E233-E239.	1.1	2
81	Case report: Transesophageal echocardiography detected severe regional wall motion abnormalities signifying failed reimplantation of an anomalous left main coronary artery. Canadian Journal of Anaesthesia, 2011, 58, 290-295.	1.6	1
82	Auditory stimuli as a contributor to consciousness while under general anesthesia. Medical Hypotheses, 2013, 80, 568-572.	1.5	1
83	The relationship between respiratory variation in the pulmonary arterial pressure tracing and intra-thoracic pressure changes: A pilot study. Journal of Medical Engineering and Technology, 2013, 37, 252-258.	1.4	1
84	Multiparameter Predictor of Fluid Responsiveness in Cardiac Surgical Patients Receiving Tidal Volumes Less Than 10 mL/kg. Seminars in Cardiothoracic and Vascular Anesthesia, 2016, 20, 188-196.	1.0	1
85	The Anesthesiologist’s Dream. Anesthesia and Analgesia, 2017, 125, 724-725.	2.2	1
86	Enhanced Recovery Implementation in Major Gynecologic Surgeries: Effect of Care Standardization. Obstetrical and Gynecological Survey, 2017, 72, 19-21.	0.4	1
87	Organ Dysfunction After Surgery in Patients Treated With Individualized or Standard Blood Pressure Management. JAMA - Journal of the American Medical Association, 2018, 319, 720.	7.4	1
88	Respiratory Variations in Electrocardiographic R-Wave Amplitude during Acute Hypovolemia Induced by Inferior Vena Cava Clamping in Patients Undergoing Liver Transplantation. Journal of Clinical Medicine, 2019, 8, 717.	2.4	1
89	Preoperative REM sleep is associated with complication development after colorectal surgery. Surgical Endoscopy and Other Interventional Techniques, 2022, 36, 2532-2540.	2.4	1
90	Intraoperative administration of isoflurane improves survival in rats exposed to caecal ligation and puncture. , 2022, 2, 100014.		1

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91	Hemodynamic monitoring devices. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2014, 28, 305-307.	4.0	0
92	Stemming Anginal Pain, Waiting for the Magic Cells*. Critical Care Medicine, 2015, 43, 2256-2257.	0.9	0
93	In Response. Anesthesia and Analgesia, 2017, 125, 2160-2161.	2.2	0
94	Venous circulation and the invisible hand. Canadian Journal of Anaesthesia, 2018, 65, 231-234.	1.6	0
95	Augmentation of Electrocardiographic QRS R-Amplitude Precedes Radiocontrast-Induced Hypotension during Mobile Computed Tomography Scanning. Journal of Clinical Medicine, 2019, 8, 505.	2.4	0
96	Noninvasive Measurement of Cardiac Output. , 2020, , 100-108.		0
97	Perioperative Impact of Widespread Implementation of an Enhanced Recovery Protocol on Short-term Outcomes in Cancer Patients. Journal of Gastrointestinal Surgery, 2021, 25, 1316-1318.	1.7	0
98	Hemodynamic Monitoring in Thoracic Surgical Patients. , 2022, , 154-170.		0