

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	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
2	Preoperative REM sleep is associated with complication development after colorectal surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, 36, 2532-2540.	2.4	1
3	One small wearable, one giant leap for patient safety?. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 1-4.	1.6	5
4	Hemodynamic Monitoring in Thoracic Surgical Patients. , 2022, , 154-170.		0
5	Intraoperative administration of isoflurane improves survival in rats exposed to caecal ligation and puncture. , 2022, 2, 100014.		1
6	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
7	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
8	Perioperative Impact of Widespread Implementation of an Enhanced Recovery Protocol on Short-term Outcomes in Cancer Patients. <i>Journal of Gastrointestinal Surgery</i> , 2021, 25, 1316-1318.	1.7	0
9	Apophenia and anesthesia: how we sometimes change our practice prematurely. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 1185-1196.	1.6	6
10	Outcome of Organ Dysfunction in the Perioperative Period. <i>Anesthesia and Analgesia</i> , 2021, 133, 393-405.	2.2	16
11	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
12	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
13	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
14	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
15	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
16	Noninvasive Measurement of Cardiac Output. , 2020, , 100-108.		0
17	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
18	Technological Assessment and Objective Evaluation of Minimally Invasive and Noninvasive Cardiac Output Monitoring Systems. <i>Anesthesiology</i> , 2020, 133, 921-928.	2.5	29

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19	Impact of inflammation on brain subcellular energetics in anesthetized rats. <i>BMC Neuroscience</i> , 2019, 20, 34.	1.9	16
20	Respiratory Variations in Electrocardiographic R-Wave Amplitude during Acute Hypovolemia Induced by Inferior Vena Cava Clamping in Patients Undergoing Liver Transplantation. <i>Journal of Clinical Medicine</i> , 2019, 8, 717.	2.4	1
21	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
22	Perioperative blood pressure monitoring. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2019, 33, 127-138.	4.0	17
23	Augmentation of Electrocardiographic QRS R-Amplitude Precedes Radiocontrast-Induced Hypotension during Mobile Computed Tomography Scanning. <i>Journal of Clinical Medicine</i> , 2019, 8, 505.	2.4	0
24	The Impact of Alvimopan on Return of Bowel Function After Major Spine Surgery – A Prospective, Randomized, Double-Blind Study. <i>Neurosurgery</i> , 2019, 85, E233-E239.	1.1	2
25	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
26	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
27	Enhanced recovery program for minimally invasive and vaginal urogynecologic surgery. <i>International Urogynecology Journal</i> , 2019, 30, 313-321.	1.4	33
28	Organ Dysfunction After Surgery in Patients Treated With Individualized or Standard Blood Pressure Management. <i>JAMA - Journal of the American Medical Association</i> , 2018, 319, 720.	7.4	1
29	American Society for Enhanced Recovery: Advancing Enhanced Recovery and Perioperative Medicine. <i>Anesthesia and Analgesia</i> , 2018, 126, 1870-1873.	2.2	18
30	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
31	Venous circulation and the invisible hand. <i>Canadian Journal of Anaesthesia</i> , 2018, 65, 231-234.	1.6	0
32	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
33	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
34	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
35	Aligning Health Care and Academia: The Clinician Innovator. <i>Academic Medicine</i> , 2018, 93, 960-961.	1.6	2
36	Agreement Between Transesophageal Echocardiography and Thermodilution-Based Cardiac Output. <i>Anesthesia and Analgesia</i> , 2018, 127, 329-330.	2.2	3

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37	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
38	Subcellular Energetics and Metabolism: Potential Therapeutic Applications. <i>Anesthesia and Analgesia</i> , 2017, 124, 1872-1885.	2.2	6
39	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
40	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
41	Subcellular Energetics and Metabolism: A Cross-Species Framework. <i>Anesthesia and Analgesia</i> , 2017, 124, 1857-1871.	2.2	21
42	Hemodynamic monitoring in thoracic surgical patients. <i>Current Opinion in Anaesthesiology</i> , 2017, 30, 7-16.	2.0	13
43	Brain Tissue Oximetry. <i>Anesthesia and Analgesia</i> , 2017, 124, 2091-2092.	2.2	3
44	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
45	The Anesthesiologist's Dream. <i>Anesthesia and Analgesia</i> , 2017, 125, 724-725.	2.2	1
46	Enhanced Recovery Implementation in Major Gynecologic Surgeries: Effect of Care Standardization. <i>Obstetrical and Gynecological Survey</i> , 2017, 72, 19-21.	0.4	1
47	In Response. <i>Anesthesia and Analgesia</i> , 2017, 125, 2160-2161.	2.2	0
48	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
49	Blood Pressure Monitoring for the Anesthesiologist: A Practical Review. <i>Anesthesia and Analgesia</i> , 2016, 122, 1866-1879.	2.2	89
50	Enhanced Recovery Implementation in Major Gynecologic Surgeries. <i>Obstetrics and Gynecology</i> , 2016, 128, 457-466.	2.4	154
51	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
52	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
53	Multiparameter Predictor of Fluid Responsiveness in Cardiac Surgical Patients Receiving Tidal Volumes Less Than 10 mL/kg. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2016, 20, 188-196.	1.0	1
54	Frequency domain analysis of cerebral near infrared spectroscopy signals during application of an impedance threshold device in spontaneously ventilating volunteers. <i>Journal of Clinical Monitoring and Computing</i> , 2016, 30, 389-398.	1.6	2

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55	Cardiac Bulldozers, Backhoes, and Blood Pressure. <i>Anesthesia and Analgesia</i> , 2015, 121, 1417-1419.	2.2	12
56	Data Agnosticism and Implications on Method Comparison Studies. <i>Anesthesia and Analgesia</i> , 2015, 121, 264-266.	2.2	16
57	Stemming Anginal Pain, Waiting for the Magic Cells*. <i>Critical Care Medicine</i> , 2015, 43, 2256-2257.	0.9	0
58	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
59	AKI Associated with Cardiac Surgery. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2015, 10, 500-514.	4.5	232
60	Cardiac Output Monitoring. <i>Critical Care Medicine</i> , 2015, 43, 177-185.	0.9	120
61	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
62	Advances in photoplethysmography: beyond arterial oxygen saturation. <i>Canadian Journal of Anaesthesia</i> , 2015, 62, 1313-1328.	1.6	31
63	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
64	Inter-device differences in monitoring for goal-directed fluid therapy. <i>Canadian Journal of Anaesthesia</i> , 2015, 62, 169-181.	1.6	31
65	Hemodynamic monitoring devices. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2014, 28, 305-307.	4.0	0
66	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
67	A 2014 Update on Coagulation Management for Cardiopulmonary Bypass. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2014, 18, 177-189.	1.0	35
68	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
69	The relationship between the area of peripherally-derived pressure volume loops and systemic vascular resistance. <i>Journal of Clinical Monitoring and Computing</i> , 2013, 27, 689-696.	1.6	3
70	Auditory stimuli as a contributor to consciousness while under general anesthesia. <i>Medical Hypotheses</i> , 2013, 80, 568-572.	1.5	1
71	Rational fluid management in today's ICU practice. <i>Critical Care</i> , 2013, 17, S6.	5.8	27
72	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

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73	The relationship between respiratory variation in the pulmonary arterial pressure tracing and intra-thoracic pressure changes: A pilot study. <i>Journal of Medical Engineering and Technology</i> , 2013, 37, 252-258.	1.4	1
74	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
75	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
76	Perioperative morbidity. <i>Current Opinion in Critical Care</i> , 2012, 18, 358-365.	3.2	6
77	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
78	Manipulation of Hyperbaric Lidocaine Using a Weak Magnetic Field. <i>Anesthesia and Analgesia</i> , 2012, 114, 1365-1367.	2.2	6
79	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
80	Methylene blue treatment for vasoplegia and resultant isoelectric processed EEG (Bispectral Index). <i>Journal of Clinical Anesthesia</i> , 2012, 24, 511-513.	1.6	2
81	Anesthesia and intensive care management of patients with brain tumors. , 2012, , 249-281.		3
82	Duration of red blood cell storage and outcomes following orthotopic liver transplantation. <i>Liver Transplantation</i> , 2012, 18, 475-481.	2.4	37
83	Ability of the Masimo pulse CO-Oximeter to detect changes in hemoglobin. <i>Journal of Clinical Monitoring and Computing</i> , 2012, 26, 69-73.	1.6	54
84	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
85	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
86	Arterial Waveform Analysis for the Anesthesiologist. <i>Anesthesia and Analgesia</i> , 2011, 113, 766-776.	2.2	103
87	Transcutaneous Regional Venous Oximetry. <i>Anesthesia and Analgesia</i> , 2011, 112, 1353-1357.	2.2	15
88	The Physiologic Implications of Isolated Alpha1 Adrenergic Stimulation. <i>Anesthesia and Analgesia</i> , 2011, 113, 284-296.	2.2	97
89	The Effect of the Intrathoracic Pressure Regulator on Hemodynamics and Cardiac Output. <i>Shock</i> , 2011, 35, 114-116.	2.1	18
90	In silico modelling of physiologic systems. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2011, 25, 499-510.	4.0	54

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91	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
92	The Clinical Implications of Isolated Alpha1 Adrenergic Stimulation. Anesthesia and Analgesia, 2011, 113, 297-304.	2.2	108
93	Speed, accuracy, and confidence in Google, Ovid, PubMed, and UpToDate: results of a randomised trial. Postgraduate Medical Journal, 2010, 86, 459-465.	1.8	54
94	Preoperative Statin Administration Is Associated With Lower Mortality and Decreased Need for Postoperative Hemodialysis in Patients Undergoing Coronary Artery Bypass Graft Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2009, 23, 468-473.	1.3	63
95	Strict Glucose Control Does Not Affect Mortality after Aneurysmal Subarachnoid Hemorrhage. Anesthesiology, 2009, 110, 603-610.	2.5	43
96	Spontaneous Spinal Epidural Hematoma of Unknown Etiology: Case Report and Literature Review. Neurocritical Care, 2008, 9, 242-246.	2.4	25
97	The "six sigma approach" to the operating room environment and infection. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2008, 22, 537-552.	4.0	21
98	Molecular and Cellular Response of the Myocardium (H9C2 Cells) Towards Hypoxia and HIF-1 α Inhibition. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	4