

Thomas M Hemmerling

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,622
citations

279798

23
h-index

315739

38
g-index

72
all docs

72
docs citations

72
times ranked

976
citing authors

#	ARTICLE	IF	CITATIONS
1	Le bloc dans le plan du muscle transverse de l'abdomen pour réaliser une analgésie postopératoire: revue systématique et méta-analyse des études randomisées contrôlées. Canadian Journal of Anaesthesia, 2016, 63, 1184-1196.	1.6	113
2	Clinical Performance and Safety of Closed-Loop Systems: A Systematic Review and Meta-analysis of Randomized Controlled Trials. Anesthesia and Analgesia, 2017, 124, 446-455.	2.2	102
3	Neuromuscular blockade at the larynx, the diaphragm and the corrugator supercilii muscle: a review. Canadian Journal of Anaesthesia, 2003, 50, 779-794.	1.6	95
4	Evaluation of a novel closed-loop total intravenous anaesthesia drug delivery system: a randomized controlled trial. British Journal of Anaesthesia, 2013, 110, 1031-1039.	3.4	94
5	Brief review: Neuromuscular monitoring: an update for the clinician. Canadian Journal of Anaesthesia, 2007, 54, 58-72.	1.6	90
6	A randomized controlled trial demonstrates that a novel closed-loop propofol system performs better hypnosis control than manual administration. Canadian Journal of Anaesthesia, 2010, 57, 725-735.	1.6	84
7	Autonomous Systems in Anesthesia: Where Do We Stand in 2020? A Narrative Review. Anesthesia and Analgesia, 2020, 130, 1120-1132.	2.2	55
8	Immediate extubation after aortic valve surgery using high thoracic epidural analgesia or opioid-based analgesia. Journal of Cardiothoracic and Vascular Anesthesia, 2005, 19, 176-181.	1.3	50
9	Ultra-fast-track anesthesia in off-pump coronary artery bypass grafting: a prospective audit comparing opioid-based anesthesia vs thoracic epiduralbased anesthesia. Canadian Journal of Anaesthesia, 2004, 51, 163-168.	1.6	47
10	First robotic tracheal intubations in humans using the Kepler intubation system. British Journal of Anaesthesia, 2012, 108, 1011-1016.	3.4	47
11	The Feasibility of a Completely Automated Total IV Anesthesia Drug Delivery System for Cardiac Surgery. Anesthesia and Analgesia, 2016, 123, 885-893.	2.2	46
12	Electrocardiographic Electrodes Provide the Same Results as Expensive Special Sensors in the Routine Monitoring of Anesthetic Depth. Anesthesia and Analgesia, 2002, 94, 369-371.	2.2	45
13	Bispectral Index as an Indicator of Cerebral Hypoperfusion During Off-Pump Coronary Artery Bypass Grafting. Anesthesia and Analgesia, 2005, 100, 354-356.	2.2	44
14	Automated anesthesia. Current Opinion in Anaesthesiology, 2009, 22, 757-763.	2.0	44
15	Epidural catheterization in cardiac surgery: The 2012 risk assessment. Annals of Cardiac Anaesthesia, 2013, 16, 169.	0.6	44
16	Falsely Increased Bispectral Index During Endoscopic Shoulder Surgery Attributed to Interferences with the Endoscopic Shaver Device. Anesthesia and Analgesia, 2002, 95, 1678-1679.	2.2	36
17	Comparison of success rates, learning curves, and inter-subject performance variability of robot-assisted and manual ultrasound-guided nerve block needle guidance in simulation. British Journal of Anaesthesia, 2014, 112, 1092-1097.	3.4	35
18	Falsely Increased Bispectral Index Values in a Series of Patients Undergoing Cardiac Surgery Using Forced-Air-Warming Therapy of the Head. Anesthesia and Analgesia, 2002, 95, 322-323.	2.2	32

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19	First Robotic Ultrasound-Guided Nerve Blocks in Humans Using the Magellan System. <i>Anesthesia and Analgesia</i> , 2013, 116, 491-494.	2.2	32
20	The Kepler Intubation System. <i>Anesthesia and Analgesia</i> , 2012, 114, 590-594.	2.2	31
21	Phonomyography and Mechanomyography Can Be Used Interchangeably to Measure Neuromuscular Block at the Adductor Pollicis Muscle. <i>Anesthesia and Analgesia</i> , 2004, 98, 377-381.	2.2	29
22	A technical description of a novel pharmacological anesthesia robot. <i>Journal of Clinical Monitoring and Computing</i> , 2014, 28, 27-34.	1.6	28
23	Neuromuscular blockade does not change the incidence or severity of pharyngolaryngeal discomfort after LMA anesthesia. <i>Canadian Journal of Anaesthesia</i> , 2004, 51, 728-732.	1.6	24
24	Phonomyography as a Novel Method to Determine Meeting Abstracts at the Laryngeal Adductor Muscles. <i>Anesthesiology</i> , 2003, 98, 359-363.	2.5	23
25	Robots Will Perform Anesthesia in the Near Future. <i>Anesthesiology</i> , 2020, 132, 219-220.	2.5	23
26	The thin line between life and death. <i>Intensive Care Medicine</i> , 2007, 33, 751-754.	8.2	21
27	Pain management in abdominal surgery. <i>Langenbeck's Archives of Surgery</i> , 2018, 403, 791-803.	1.9	20
28	Robotic anesthesia. <i>Current Opinion in Anaesthesiology</i> , 2012, 25, 736-742.	2.0	19
29	Neuromuscular blockade in cardiac surgery: An update for clinicians. <i>Annals of Cardiac Anaesthesia</i> , 2008, 11, 80.	0.6	19
30	The Analgoscore: A Novel Score to Monitor Intraoperative Nociception and its Use for Closed-Loop Application of Remifentanyl. <i>Journal of Computers</i> , 2009, 4, .	0.4	19
31	Une nouvelle technique anesthésique pour la chirurgie cardiaque vigile. <i>Canadian Journal of Anaesthesia</i> , 2005, 52, 1088-1092.	1.6	17
32	Feasibility of Automated Propofol Sedation for Transcatheter Aortic Valve Implantation: A Pilot Study. <i>Anesthesia and Analgesia</i> , 2017, 125, 1505-1512.	2.2	17
33	Comparison of phonomyography with balloon pressure mechanomyography to measure contractile force at the corrugator supercilii muscle. <i>Canadian Journal of Anaesthesia</i> , 2004, 51, 116-121.	1.6	15
34	Subcutaneous Cervical and Facial Emphysema with the Use of the Bonfils Fiberscope and High-Flow Oxygen Insufflation. <i>Anesthesia and Analgesia</i> , 2008, 106, 260-262.	2.2	13
35	Impact of age on anaesthesiologists'™ competence. <i>European Journal of Anaesthesiology</i> , 2016, 33, 787-793.	1.7	13
36	Phonomyographic measurements of neuromuscular blockade are similar to mechanomyography for hand muscles. <i>Canadian Journal of Anaesthesia</i> , 2004, 51, 795-800.	1.6	11

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37	Robotics and regional anesthesia. <i>Current Opinion in Anaesthesiology</i> , 2014, 27, 544-548.	2.0	11
38	An Unusual Site for BIS Monitoring. <i>Anesthesia and Analgesia</i> , 2004, 99, 1264-1265.	2.2	10
39	Ultrasonography Technique in Abdominal Subcutaneous Adipose Tissue Measurement: A Systematic Review. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 877-888.	1.7	10
40	The lumbar paravertebral region provides a novel site to assess neuromuscular block at the diaphragm. <i>Canadian Journal of Anaesthesia</i> , 2001, 48, 356-360.	1.6	9
41	Simultaneous Determination of Neuromuscular Blockade at the Adducting and Abducting Laryngeal Muscles Using Phonomyography. <i>Anesthesia and Analgesia</i> , 2004, 98, 1729-1733.	2.2	9
42	Sevoflurane causes less arrhythmias than desflurane after off-pump coronary artery bypass grafting: A pilot study. <i>Annals of Cardiac Anaesthesia</i> , 2010, 13, 116.	0.6	9
43	Epidural Hematoma After Anticoagulation with a Thoracic Epidural Catheter in Place: A Mere Coincidence?. <i>Anesthesia and Analgesia</i> , 2004, 99, 1267-1268.	2.2	7
44	An External Monitoring Site at the Neck Cannot Be Used to Measure Neuromuscular Blockade of the Larynx. <i>Anesthesia and Analgesia</i> , 2005, 100, 1718-1722.	2.2	7
45	A Review of Objective Measurement of Flap Volume in Reconstructive Surgery. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2018, 6, e1752.	0.6	7
46	Needle Electrodes Can Be Used for Bispectral Index Monitoring of Sedation in Burn Patients. <i>Anesthesia and Analgesia</i> , 2002, 95, 1675-1677.	2.2	6
47	Duration of control stimulation does not affect onset and offset of neuromuscular blockade at the corrugator supercilii muscle measured with phonomyography or acceleromyography. <i>Canadian Journal of Anaesthesia</i> , 2002, 49, 913-917.	1.6	6
48	Total intravenous anesthesia with propofol augments the potency of mivacurium. <i>Canadian Journal of Anaesthesia</i> , 2008, 55, 351-357.	1.6	6
49	Phonomyography as a non-invasive continuous monitoring technique for muscle ischemia in an experimental model of acute compartment syndrome. <i>Injury</i> , 2017, 48, 2411-2416.	1.7	6
50	Robotic anesthesia - a vision for the future of anesthesia. <i>Translational Medicine @ UniSa</i> , 2011, 1, 1-20.	0.5	6
51	Immediate Extubation after Aortic Valve Surgery Using High Thoracic Epidural Anesthesia. <i>Heart Surgery Forum</i> , 2004, 7, 16-20.	0.5	6
52	Objective quantification of liposuction results. <i>Journal of Cutaneous and Aesthetic Surgery</i> , 2018, 11, 105.	0.3	5
53	Immediate extubation after cardiac surgery should be part of routine anesthesia practice for selected patients. <i>Annals of Cardiac Anaesthesia</i> , 2018, 21, 114-115.	0.6	5
54	BIS Sensor Electrodes Can Cause Skin Lesions: Case Report. <i>Anesthesia and Analgesia</i> , 2004, 98, 1811-1812.	2.2	4

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55	Identification of New Tools to Predict Surgical Performance of Novices using a Plastic Surgery Simulator. <i>Journal of Surgical Education</i> , 2018, 75, 1650-1657.	2.5	4
56	A Comparison Between Anterior and Posterior Monitoring of Neuromuscular Blockade at the Diaphragm: Both Sites Can Be Used Interchangeably. <i>Anesthesia and Analgesia</i> , 2002, 95, 940-943.	2.2	3
57	Robotic Anesthesia: How is it Going to Change Our Practice?. <i>Anesthesiology and Pain Medicine</i> , 2014, 3, e16468.	1.3	3
58	Arterial trauma during central venous catheter insertion: case series and proposed algorithm. <i>Canadian Journal of Anaesthesia</i> , 2007, 54, 44538-44538.	1.6	1
59	Interaction between mivacurium potency and duration of propofol- TIVA at the adductor pollicis and corrugator supercilii. <i>Canadian Journal of Anaesthesia</i> , 2007, 54, 44582-44582.	1.6	1
60	Robots Will Perform Anesthesia in the Near Future: Reply. <i>Anesthesiology</i> , 2020, 133, 670-671.	2.5	1
61	Complications of Aesthetic Liposuction Performed in Isolation: A Systematic Literature Review and Meta-Analysis. <i>Plastic Surgery</i> , 2024, 32, 19-32.	1.0	1
62	Complications in Brachioplasty: A Systematic Review and Meta-Analysis. <i>Plastic and Reconstructive Surgery</i> , 2022, 149, 83-95.	1.4	1
63	Development of a new continuous intraoperative neuromuscular monitoring system using phonomyography. <i>Canadian Journal of Anaesthesia</i> , 2005, 52, A166-A166.	1.6	0
64	The staircase phenomenon is absent at the corrugator supercilii muscle. <i>Canadian Journal of Anaesthesia</i> , 2005, 52, A167-A167.	1.6	0
65	The application of a preload decreases the staircase phenomenon at the first dorsal interosseus muscle when measured using phonomyography. <i>Canadian Journal of Anaesthesia</i> , 2005, 52, A168-A168.	1.6	0
66	Epidural anesthesia decreases icu utilisation and costs after elective off-pump cabg surgery. <i>Canadian Journal of Anaesthesia</i> , 2007, 54, 44533-44533.	1.6	0
67	Pilot study to determine sevoflurane dosing during cardio-pulmonary bypass using bis monitoring. <i>Canadian Journal of Anaesthesia</i> , 2007, 54, 44574-44574.	1.6	0
68	Post-operative acute anterior spinal artery syndrome after right upper lobectomy complicated by pulmonary artery injury. <i>Canadian Journal of Anaesthesia</i> , 2007, 54, 44597-44597.	1.6	0
69	Exposing medical students to various difficulty levels of simulated endotracheal intubations improves success rate: a randomised non-blinded trial. <i>BMJ Simulation and Technology Enhanced Learning</i> , 2020, 6, 76-80.	0.7	0
70	Robotization. , 2014, , 409-419.		0