

# Markus Klimek

## List of Publications by Year in descending order

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109  
papers

2,374  
citations

196777

29  
h-index

274796

44  
g-index

115  
all docs

115  
docs citations

115  
times ranked

2354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prehospital Triage by Lay Person First Responders: A Scoping Review and Proposal for a new Prehospital Triage Tool. <i>Disaster Medicine and Public Health Preparedness</i> , 2022, 16, 1242-1252.	0.7	4
2	Delirium in neurosurgery: a systematic review and meta-analysis. <i>Neurosurgical Review</i> , 2022, 45, 329-341.	1.2	10
3	Implementation of music in colorectal perioperative standard care—barriers and facilitators among patients and healthcare professionals. <i>Colorectal Disease</i> , 2022, , .	0.7	2
4	How to Study the Brain While Anesthetizing It?! A Scoping Review on Running Neuroanesthesiologic Studies and Trials That Include Neurosurgical Patients. <i>World Neurosurgery</i> , 2022, 161, 376-381.	0.7	1
5	Regional analgesia with or without general anaesthesia for breast cancer surgery: a network meta-analysis. <i>The Cochrane Library</i> , 2022, 2022, .	1.5	0
6	Language improvement after awake craniotomy in a 12-year-old child: illustrative case. <i>Journal of Neurosurgery Case Lessons</i> , 2022, 3, .	0.1	2
7	A systematic review and trial sequential analysis of intravenous vs. oral perioperative paracetamol. <i>Anaesthesia</i> , 2021, 76, 270-276.	1.8	15
8	Noradrenaline “at best it is not worse. A comparison with phenylephrine in women undergoing spinal anaesthesia for caesarean section. <i>Anaesthesia</i> , 2021, 76, 743-747.	1.8	3
9	Music intervention to relieve anxiety and pain in adults undergoing cardiac surgery: a systematic review and meta-analysis. <i>Open Heart</i> , 2021, 8, e001474.	0.9	23
10	A Systematic Review of Phenylephrine Versus Noradrenaline for the Management of Hypotension Associated With Neuraxial Anesthesia in Women Undergoing Cesarean Section. <i>Obstetric Anesthesia Digest</i> , 2021, 41, 1-2.	0.0	0
11	Intraoperative Neuromonitoring in Patients with Intradural Extramedullary Spinal Cord Tumor: A Single-Center Case Series. <i>World Neurosurgery</i> , 2021, 147, e516-e523.	0.7	10
12	Perception of auditory stimuli during general anesthesia and its effects on patient outcomes: a systematic review and meta-analysis. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 1231-1253.	0.7	8
13	Music intervention for sleep quality in critically ill and surgical patients: a meta-analysis. <i>BMJ Open</i> , 2021, 11, e042510.	0.8	13
14	The hidden secrets of a neutral pH—blood gas analysis of postoperative patients according to the Stewart approach. <i>Perioperative Medicine (London, England)</i> , 2021, 10, 15.	0.6	3
15	Prognostic factors for chronic post-surgical pain after lung or pleural surgery: a protocol for a systematic review and meta-analysis. <i>BMJ Open</i> , 2021, 11, e051554.	0.8	4
16	Prolonged surgical duration in open craniofacial surgery: Detrimental to cognitive functioning?. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2021, 74, 3443-3476.	0.5	1
17	Music to prevent delirium during neurosurgery (MUSYC) Clinical trial: a study protocol for a randomised controlled trial. <i>BMJ Open</i> , 2021, 11, e048270.	0.8	4
18	The Influence of Hypercapnia and Atmospheric Pressure on the PaO <sub>2</sub> /FIO <sub>2</sub> Ratio—Pathophysiologic Considerations, a Case Series, and Introduction of a Clinical Tool. <i>Critical Care Medicine</i> , 2021, Publish Ahead of Print, .	0.4	2

#	ARTICLE	IF	CITATIONS
19	Implementation of music in the perioperative standard care of colorectal surgery: study protocol of the IMPROVE Study. <i>BMJ Open</i> , 2021, 11, e051878.	0.8	3
20	The effect of midazolam as premedication on the quality of postoperative recovery after laparotomy: a randomized clinical trial. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 32-41.	0.7	11
21	Intrathecal catheterisation after observed accidental dural puncture in labouring women: update of a meta-analysis and a trial-sequential analysis. <i>International Journal of Obstetric Anesthesia</i> , 2020, 41, 71-82.	0.2	22
22	The SAFE-trial: Safe surgery for glioblastoma multiforme: Awake craniotomy versus surgery under general anesthesia. Study protocol for a multicenter prospective randomized controlled trial. <i>Contemporary Clinical Trials</i> , 2020, 88, 105876.	0.8	17
23	Variation in the practice of tracheal intubation in Europe after traumatic brain injury: a prospective cohort study. <i>Anaesthesia</i> , 2020, 75, 45-53.	1.8	14
24	Hyperlactatemia After Intracranial Tumor Surgery Does Not Affect 6-Month Survival: A Retrospective Case Series. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, 32, 48-56.	0.6	10
25	The Effect of Perioperative Music on Medication Requirement and Hospital Length of Stay. <i>Annals of Surgery</i> , 2020, 272, 961-972.	2.1	41
26	Intrathecal hydrophilic opioids for abdominal surgery: a meta-analysis, meta-regression, and trial sequential analysis. <i>British Journal of Anaesthesia</i> , 2020, 125, 358-372.	1.5	44
27	Tracheal intubation in traumatic brain injury: a multicentre prospective observational study. <i>British Journal of Anaesthesia</i> , 2020, 125, 505-517.	1.5	19
28	Dural Puncture Epidural Versus Conventional Epidural Block for Labor Analgesia: A Systematic Review of Randomized Controlled Trials. <i>Obstetric Anesthesia Digest</i> , 2020, 40, 119-120.	0.0	1
29	Fluid loading therapy to prevent spinal hypotension in women undergoing elective caesarean section. <i>European Journal of Anaesthesiology</i> , 2020, 37, 1126-1142.	0.7	27
30	Methods matter. <i>Anaesthesia</i> , 2020, 75, 686-686.	1.8	1
31	Efficiency and efficacy of planning and care on a post-anesthesia care unit: a retrospective cohort study. <i>BMC Health Services Research</i> , 2020, 20, 566.	0.9	1
32	A systematic review of phenylephrine vs. noradrenaline for the management of hypotension associated with neuraxial anaesthesia in women undergoing caesarean section. <i>Anaesthesia</i> , 2020, 75, 800-808.	1.8	26
33	Psychometric Properties of the Latin American Spanish Version of the Hospital Survey on Patient Safety Culture Questionnaire in the Surgical Setting. <i>Journal of Patient Safety</i> , 2020, Publish Ahead of Print, e1806-e1813.	0.7	12
34	"Scientific truth" in modern times: some considerations. <i>Colombian Journal of Anesthesiology</i> , 2020, 48, 59-60.	0.5	1
35	Accuracy studies accurately read. <i>Minerva Anestesiologica</i> , 2020, 86, 97-98.	0.6	0
36	In Reply to the Letter to the Editor Regarding "Intraoperative Neuromonitoring in Patients with Intramedullary Spinal Cord Tumor: A Systematic Review, Meta-Analysis, and Case Series" <i>World Neurosurgery</i> , 2019, 127, 664.	0.7	3

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37	The sum of all parts â€“ a reply. <i>Anaesthesia</i> , 2019, 74, 1618-1619.	1.8	0
38	Rethinking Evidence-Based Medicine in the perioperative safety scenario. <i>British Journal of Anaesthesia</i> , 2019, 123, e163-e164.	1.5	0
39	Effect of intravenous dexamethasone on postoperative pain after spinal anaesthesia â€“ a systematic review with meta-analysis and trial sequential analysis. <i>Anaesthesia</i> , 2019, 74, 1047-1056.	1.8	14
40	Dural puncture epidural versus conventional epidural block for labor analgesia: a systematic review of randomized controlled trials. <i>International Journal of Obstetric Anesthesia</i> , 2019, 40, 24-31.	0.2	38
41	Propofol sedation without endotracheal intubation is safe for endoscopic submucosal dissection in the esophagus and stomach. <i>United European Gastroenterology Journal</i> , 2019, 7, 405-411.	1.6	4
42	Intraoperative Neuromonitoring in Patients with Intramedullary Spinal Cord Tumor: A Systematic Review, Meta-Analysis, and Case Series. <i>World Neurosurgery</i> , 2019, 125, 498-510.e2.	0.7	37
43	Ephedrine Versus Phenylephrine as a Vasopressor for Spinal Anaesthesia-induced Hypotension in Parturients Undergoing High-risk Caesarean Section: Meta-analysis, Meta-regression, and Trial Sequential Analysis. <i>Obstetric Anesthesia Digest</i> , 2019, 39, 221-222.	0.0	0
44	Impact of intraoperative stimulation mapping on high-grade glioma surgery outcome: a meta-analysis. <i>Acta Neurochirurgica</i> , 2019, 161, 99-107.	0.9	87
45	Ephedrine versus phenylephrine as a vasopressor for spinal anaesthesia-induced hypotension in parturients undergoing high-risk caesarean section: meta-analysis, meta-regression and trial sequential analysis. <i>International Journal of Obstetric Anesthesia</i> , 2019, 37, 16-28.	0.2	23
46	Awake craniotomy versus craniotomy under general anesthesia without surgery adjuncts for supratentorial glioblastoma in eloquent areas: a retrospective matched case-control study. <i>Acta Neurochirurgica</i> , 2019, 161, 307-315.	0.9	40
47	A systematic review of the diagnostic accuracy of epidural wave form analysis to identify the epidural space in surgical and labor patients. <i>Minerva Anestesiologica</i> , 2019, 85, 393-400.	0.6	7
48	On differences between systematic reviews. <i>British Journal of Anaesthesia</i> , 2018, 120, 1133-1134.	1.5	2
49	Ultrasound guidance for central venous catheterisation. A Colombian national survey. <i>International Journal for Quality in Health Care</i> , 2018, 30, 649-653.	0.9	4
50	Co-administration of dexamethasone with peripheral nerve block: intravenous vs perineural application: systematic review, meta-analysis, meta-regression and trial-sequential analysis. <i>British Journal of Anaesthesia</i> , 2018, 120, 212-227.	1.5	77
51	Combined spinal-epidural vs. spinal anaesthesia for caesarean section: meta-analysis and trial-sequential analysis. <i>Anaesthesia</i> , 2018, 73, 875-888.	1.8	28
52	Quality and Quantity of Memories in Patients Who Undergo Awake Brain Tumor Resection. <i>World Neurosurgery</i> , 2018, 109, e258-e264.	0.7	13
53	Awake craniotomy versus craniotomy under general anesthesia for the surgical treatment of insular glioma: choices and outcomes. <i>Neurological Research</i> , 2018, 40, 87-96.	0.6	34
54	Epidural volume extension â€“ a reply. <i>Anaesthesia</i> , 2018, 73, 645-646.	1.8	0

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55	Anxiety, memories and coping in patients undergoing intracranial tumor surgery. <i>Clinical Neurology and Neurosurgery</i> , 2018, 170, 132-139.	0.6	14
56	Local anesthetics for brain tumor resection: current perspectives. <i>Local and Regional Anesthesia</i> , 2018, Volume 11, 1-8.	2.8	28
57	Prognostic model for psychological outcomes in ambulatory surgery patients: A prospective study using a structural equation modeling framework. <i>PLoS ONE</i> , 2018, 13, e0193441.	1.1	3
58	Restrictive or responsive? Outcome classification and unplanned subgroup analyses in meta-analyses. <i>Anaesthesia</i> , 2018, 73, 279-283.	1.8	6
59	Postoperative administration of metamizole for one single day. <i>European Journal of Anaesthesiology</i> , 2017, 34, 320-322.	0.7	1
60	Effects of epidural volume extension by saline injection on the efficacy and safety of intrathecal local anaesthetics: systematic review with meta-analysis, meta-regression and trial sequential analysis. <i>Anaesthesia</i> , 2017, 72, 1398-1411.	1.8	17
61	Prevention of Spinal Anesthesia-induced Hypotension During Cesarean Delivery by 5-Hydroxytryptamine-3 Receptor Antagonists: A Systematic Review and Meta-analysis and Meta-regression. <i>Obstetric Anesthesia Digest</i> , 2017, 37, 103-104.	0.0	2
62	The Effect of Combined Spinal-Epidural Versus Epidural Analgesia in Laboring Women on Nonreassuring Fetal Heart Rate Tracings: Systematic Review and Meta-analysis. <i>Obstetric Anesthesia Digest</i> , 2017, 37, 58-58.	0.0	0
63	Obstetric analgesia – update 2016. <i>Journal of Perinatal Medicine</i> , 2017, 45, 281-289.	0.6	8
64	Cerebral blood flow and its autoregulation - when will there be some light in the black box?. <i>British Journal of Anaesthesia</i> , 2017, 119, 1077-1079.	1.5	11
65	In Response. <i>Anesthesia and Analgesia</i> , 2017, 124, 1015-1015.	1.1	1
66	Incidence of Mechanical Complications of Central Venous Catheterization Using Landmark Technique. <i>Journal of Intensive Care Medicine</i> , 2016, 31, 397-402.	1.3	31
67	Nonobstetric anesthesia during pregnancy. <i>Current Opinion in Anaesthesiology</i> , 2016, 29, 297-303.	0.9	29
68	Paravertebral block and persistent postoperative pain after breast surgery: meta-analysis and trial sequential analysis. <i>Anaesthesia</i> , 2016, 71, 1471-1481.	1.8	40
69	Prevention of Spinal Anesthesia-Induced Hypotension During Cesarean Delivery by 5-Hydroxytryptamine-3 Receptor Antagonists: A Systematic Review and Meta-analysis and Meta-regression. <i>Anesthesia and Analgesia</i> , 2016, 123, 977-988.	1.1	55
70	Implication of UGT2B15 Genotype Polymorphism on Postoperative Anxiety Levels in Patients Receiving Lorazepam Premedication. <i>Anesthesia and Analgesia</i> , 2016, 123, 1109-1115.	1.1	9
71	The Effect of Combined Spinal-Epidural Versus Epidural Analgesia in Laboring Women on Nonreassuring Fetal Heart Rate Tracings: Systematic Review and Meta-analysis. <i>Anesthesia and Analgesia</i> , 2016, 123, 955-964.	1.1	55
72	Clinical prediction model to identify vulnerable patients in ambulatory surgery: towards optimal medical decision-making. <i>Canadian Journal of Anaesthesia</i> , 2016, 63, 1022-1032.	0.7	1

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73	Defining the learning curve for endotracheal intubation using direct laryngoscopy: A systematic review. <i>Resuscitation</i> , 2016, 99, 63-71.	1.3	115
74	Awake craniotomy. <i>Current Opinion in Anaesthesiology</i> , 2015, 28, 511-516.	0.9	43
75	The tryptophan kynurenine pathway, neopterin and IL-6 during vulvectomy and abdominal hysterectomy. <i>Journal of Biomedical Science</i> , 2014, 21, 102.	2.6	10
76	Postoperative laryngo-pharyngeal symptoms in elective surgery – Incidence and related factors. <i>Colombian Journal of Anesthesiology</i> , 2014, 42, 9-15.	0.5	0
77	Síntomas laringofaríngeos posoperatorios en cirugía electiva. Incidencia y factores asociados. <i>Colombian Journal of Anesthesiology</i> , 2014, 42, 9-15.	0.5	0
78	Perioperative Fluid Management and Use of Vasoactive and Antithrombotic Agents in Free Flap Surgery: A Literature Review and Clinical Recommendations. <i>Journal of Reconstructive Microsurgery</i> , 2013, 29, 357-366.	1.0	46
79	Lorazepam does not improve the quality of recovery in day-case surgery patients. <i>European Journal of Anaesthesiology</i> , 2013, 30, 743-751.	0.7	33
80	Effect of Major and Minor Surgery on Plasma Levels of Arginine, Citrulline, Nitric Oxide Metabolites, and Ornithine in Humans. <i>Annals of Surgery</i> , 2013, 258, 1072-1078.	2.1	9
81	General Anaesthesia is Associated with Adverse Cardiac Outcome after Endovascular Aneurysm Repair. <i>European Journal of Vascular and Endovascular Surgery</i> , 2012, 44, 121-125.	0.8	41
82	Postoperative cognitive dysfunction in geriatric patients. <i>Zeitschrift Fur Gerontologie Und Geriatrie</i> , 2012, 45, 411-416.	0.8	44
83	A Randomised Study of Perioperative Esmolol Infusion for Haemodynamic Stability during Major Vascular Surgery; Rationale and Design of DECREASE-XIII. <i>European Journal of Vascular and Endovascular Surgery</i> , 2011, 42, 317-323.	0.8	10
84	Train-of-four ratio recovery often precedes twitch recovery when neuromuscular block is reversed by sugammadex. <i>Acta Anaesthesiologica Scandinavica</i> , 2011, 55, 700-707.	0.7	30
85	Perioperative care of the older patient. <i>Zeitschrift Fur Gerontologie Und Geriatrie</i> , 2011, 44, 187-191.	0.8	5
86	Improvement of quality of reporting in randomised controlled trials to prevent hypotension after spinal anaesthesia for caesarean section. <i>Gynecological Surgery</i> , 2011, 8, 121-127.	0.9	5
87	Antiepileptic drug therapy in the perioperative course of neurosurgical patients. <i>Current Opinion in Anaesthesiology</i> , 2010, 23, 564-567.	0.9	40
88	Inflammatory Profile of Awake Function-Controlled Craniotomy and Craniotomy under General Anesthesia. <i>Mediators of Inflammation</i> , 2009, 2009, 1-8.	1.4	14
89	Protocol compliance and time management in blunt trauma resuscitation. <i>Emergency Medicine Journal</i> , 2009, 26, 23-27.	0.4	55
90	Awake Craniotomy Induces Fewer Changes in the Plasma Amino Acid Profile Than Craniotomy Under General Anesthesia. <i>Journal of Neurosurgical Anesthesiology</i> , 2009, 21, 98-107.	0.6	19

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91	B and T cell imbalances in CSF of patients with Hu-antibody associated PNS. Journal of Neuroimmunology, 2008, 195, 164-170.	1.1	32
92	A Simulation Model for Determining the Optimal Size of Emergency Teams on Call in the Operating Room at Night. Anesthesia and Analgesia, 2008, 107, 1655-1662.	1.1	43
93	Operating Theatres: Organization, Costs and Audit. , 2008, , 263-268.		2
94	Incidents Provoked Specifically by Certain Drugs Used in Anaesthesia. , 2008, , 325-331.		0
95	Reversal of rocuronium-induced (1.2 mg kg <sup>-1</sup> ) profound neuromuscular block by accidental high dose of sugammadex (40 mg kg <sup>-1</sup> ) . British Journal of Anaesthesia, 2007, 98, 624-627.	1.5	29
96	Reversal of Rocuronium-induced (1.2 mg/kg) Profound Neuromuscular Block by Sugammadex. Anesthesiology, 2007, 107, 239-244.	1.3	187
97	Pain in neurosurgically treated patients: a prospective observational study. Journal of Neurosurgery, 2006, 104, 350-359.	0.9	60
98	Challenges in perioperative medicine: positioning. , 2006, , 609-615.		0
99	Trends but Not Individual Values of Central Venous Oxygen Saturation Agree with Mixed Venous Oxygen Saturation during Varying Hemodynamic Conditions. Anesthesiology, 2005, 103, 249-257.	1.3	192
100	Improving quality of recovery. , 2005, , 237-242.		0
101	Awake craniotomy for glioblastoma in a 9-year-old child. Anaesthesia, 2004, 59, 607-609.	1.8	64
102	A survey of autologous blood transfusion practices in Germany. Transfusion Medicine, 2004, 14, 335-341.	0.5	3
103	Statins and ð-blockers are independently associated with a reduced incidence of perioperative mortality in patients undergoing abdominal aortic aneurysm surgery. European Journal of Anaesthesiology, 2004, 21, 8.	0.7	0
104	Can the laryngeal mask airway replace endotracheal tubation for airway control? The argument against the laryngeal mask airway. Israel Medical Association Journal, 2004, 6, 242-4; discussion 244-5.	0.1	0
105	Surgery of Intrinsic Cerebral Neoplasms in Eloquent Areas under Local Anesthesia. Minimally Invasive Neurosurgery, 2000, 43, 192-196.	0.9	38
106	Postoperative Analgesia with No Motor Block by Continuous Epidural Infusion of Ropivacaine 0.1% and Sufentanil After Total Hip Replacement. Anesthesia and Analgesia, 1999, 89, 395-398.	1.1	64
107	Does an analysis of exhaled air indicate the metabolic state of critically ill patients?. Intensive Care Medicine, 1998, 24, 403-404.	3.9	3
108	Efficacy of oral iron supplementation is not enhanced by additional intravenous iron during autologous blood donation. Transfusion, 1998, 38, 764-770.	0.8	36

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109	The Influence of Various Anesthetics on the Release and Metabolism of Thyroid Hormones. Anesthesia and Analgesia, 1995, 81, 612-618.	1.1	9