

Jurgen C De Graaff

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

4,900
citations

136740

32
h-index

95083

68
g-index

113
all docs

113
docs citations

113
times ranked

3687
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.	6.3	865
2	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.	6.3	526
3	Incidence of severe critical events in paediatric anaesthesia (APRICOT): a prospective multicentre observational study in 261 hospitals in Europe. <i>Lancet Respiratory Medicine, the</i> , 2017, 5, 412-425.	5.2	502
4	Myocardial Injury After Noncardiac Surgery and its Association With Short-Term Mortality. <i>Circulation</i> , 2013, 127, 2264-2271.	1.6	270
5	Apnea after Awake Regional and General Anesthesia in Infants. <i>Anesthesiology</i> , 2015, 123, 38-54.	1.3	243
6	Comparison of OPS imaging and conventional capillary microscopy to study the human microcirculation. <i>Journal of Applied Physiology</i> , 2001, 91, 74-78.	1.2	205
7	Reference Values for Noninvasive Blood Pressure in Children during Anesthesia. <i>Anesthesiology</i> , 2016, 125, 904-913.	1.3	99
8	Interobserver and intraobserver reproducibility of peripheral blood and oxygen pressure measurements in the assessment of lower extremity arterial disease. <i>Journal of Vascular Surgery</i> , 2001, 33, 1033-1040.	0.6	88
9	First-attempt success rate of video laryngoscopy in small infants (VISI): a multicentre, randomised controlled trial. <i>Lancet, The</i> , 2020, 396, 1905-1913.	6.3	84
10	Morbidity and mortality after anaesthesia in early life: results of the European prospective multicentre observational study, neonate and children audit of anaesthesia practice in Europe (NECTARINE). <i>British Journal of Anaesthesia</i> , 2021, 126, 1157-1172.	1.5	81
11	Incidence of Intraoperative Hypoxemia in Children in Relation to Age. <i>Anesthesia and Analgesia</i> , 2013, 117, 169-175.	1.1	80
12	Differences in Blood Pressure in Infants After General Anesthesia Compared to Awake Regional Anesthesia (GAS Studyâ€™A Prospective Randomized Trial). <i>Anesthesia and Analgesia</i> , 2017, 125, 837-845.	1.1	78
13	Anesthesia and the developing brain: A way forward for laboratory and clinical research. <i>Paediatric Anaesthesia</i> , 2018, 28, 758-763.	0.6	77
14	One-Year Mortality, Causes of Death, and Cardiac Interventions in Patients with Postoperative Myocardial Injury. <i>Anesthesia and Analgesia</i> , 2016, 123, 29-37.	1.1	76
15	Evaluation of toe pressure and transcutaneous oxygen measurements in management of chronic critical leg ischemia: a diagnostic randomized clinical trial. <i>Journal of Vascular Surgery</i> , 2003, 38, 528-534.	0.6	69
16	Near-infrared light to aid peripheral intravenous cannulation in children: a cluster randomised clinical trial of three devices. <i>Anaesthesia</i> , 2013, 68, 835-845.	1.8	67
17	Predictive factors for difficult intravenous cannulation in pediatric patients at a tertiary pediatric hospital. <i>Paediatric Anaesthesia</i> , 2012, 22, 223-229.	0.6	61
18	The use of near-infrared light for safe and effective visualization of subsurface blood vessels to facilitate blood withdrawal in children. <i>Medical Engineering and Physics</i> , 2013, 35, 433-440.	0.8	59

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19	An International, Multicenter, Observational Study of Cerebral Oxygenation during Infant and Neonatal Anesthesia. <i>Anesthesiology</i> , 2018, 128, 85-96.	1.3	53
20	Difficult tracheal intubation in neonates and infants. NEonate and Children audit of Anaesthesia pRactice IN Europe (NECTARINE): a prospective European multicentre observational study. <i>British Journal of Anaesthesia</i> , 2021, 126, 1173-1181.	1.5	53
21	Predictors of Failure of Awake Regional Anesthesia for Neonatal Hernia Repair. <i>Anesthesiology</i> , 2015, 123, 55-65.	1.3	52
22	Anesthesiaâ€related critical incidents in the perioperative period in children; a proposal for an anesthesiaâ€related reporting system for critical incidents in children. <i>Paediatric Anaesthesia</i> , 2015, 25, 621-629.	0.6	50
23	The Effectiveness of a Near-Infrared Vascular Imaging Device to Support Intravenous Cannulation in Children with Dark Skin Color. <i>Anesthesia and Analgesia</i> , 2013, 116, 1266-1271.	1.1	46
24	Anesthesia and the developing brain: a way forward for clinical research. <i>Paediatric Anaesthesia</i> , 2015, 25, 447-452.	0.6	46
25	The usefulness of a laser Doppler in the measurement of toe blood pressures. <i>Journal of Vascular Surgery</i> , 2000, 32, 1172-1179.	0.6	44
26	Neonatal brain oxygenation during thoroscopic correction of esophageal atresia. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016, 30, 2811-2817.	1.3	43
27	Perioperative hospital mortality at a tertiary paediatric institution. <i>British Journal of Anaesthesia</i> , 2015, 115, 608-615.	1.5	42
28	Factors influencing blood loss and allogeneic blood transfusion practice in craniostomy surgery. <i>Paediatric Anaesthesia</i> , 2011, 21, 1192-1197.	0.6	41
29	A comparison of videolaryngoscopy using standard blades or non-standard blades in children in the Paediatric Difficult Intubation Registry. <i>British Journal of Anaesthesia</i> , 2021, 126, 331-339.	1.5	40
30	The Impact of Peripheral and Coronary Artery Disease on Health-related Quality of Life. <i>Annals of Vascular Surgery</i> , 2002, 16, 495-500.	0.4	36
31	The effect of intrathecal bupivacaine/morphine on quality of recovery in robotâ€assisted radical prostatectomy: a randomised controlled trial. <i>Anaesthesia</i> , 2020, 75, 599-608.	1.8	36
32	Visualizing Veins With Near-Infrared Light to Facilitate Blood Withdrawal in Children. <i>Clinical Pediatrics</i> , 2011, 50, 508-512.	0.4	33
33	An open label pilot study of a dexmedetomidineâ€remifentanylâ€caudal anesthetic for infant lower abdominal/lower extremity surgery: The T REX pilot study. <i>Paediatric Anaesthesia</i> , 2019, 29, 59-67.	0.6	33
34	Near-Infrared Imaging in Intravenous Cannulation in Children: A Cluster Randomized Clinical Trial. <i>Pediatrics</i> , 2013, 131, e191-e197.	1.0	32
35	Artifacts in research data obtained from an anesthesia information and management system. <i>Canadian Journal of Anaesthesia</i> , 2012, 59, 833-841.	0.7	30
36	Postoperative pain during the first week after adenoidectomy and guillotine adenotonsillectomy in children. <i>Paediatric Anaesthesia</i> , 2014, 24, 476-482.	0.6	26

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37	Perioperative complications in patients diagnosed with mucopolysaccharidosis and the impact of enzyme replacement therapy followed by hematopoietic stem cell transplantation at early age. Paediatric Anaesthesia, 2014, 24, 521-527.	0.6	23
38	The incidence of postoperative respiratory complications: A retrospective analysis of cuffed vs uncuffed tracheal tubes in children 0-7 years of age. Paediatric Anaesthesia, 2018, 28, 210-217.	0.6	22
39	Incidence of Artifacts and Deviating Values in Research Data Obtained from an Anesthesia Information Management System in Children. Anesthesiology, 2018, 128, 293-304.	1.3	21
40	Influence of peripheral arterial disease on capillary pressure in the foot. Journal of Vascular Surgery, 2003, 38, 1067-1074.	0.6	20
41	Evaluating <sc>NIR</sc> vascular imaging to support intravenous cannulation in awake children difficult to cannulate; a randomized clinical trial. Paediatric Anaesthesia, 2014, 24, 1174-1179.	0.6	20
42	Reporting critical incidents in a tertiary hospital: a historical cohort study of 110,310 procedures. Canadian Journal of Anaesthesia, 2015, 62, 1248-1258.	0.7	20
43	A systematic review of outcomes reported in pediatric perioperative research: A report from the Pediatric Perioperative Outcomes Group. Paediatric Anaesthesia, 2020, 30, 1166-1182.	0.6	20
44	Long-term Effects of Early Exposure to Stress, Pain, Opioids and Anaesthetics on Pain Sensitivity and Neurocognition. Current Pharmaceutical Design, 2018, 23, 5879-5886.	0.9	20
45	The Feasibility and Reliability of Capillary Blood Pressure Measurements in the Fingernail Fold. Microvascular Research, 2002, 63, 270-278.	1.1	19
46	Perioperative management of esophageal atresia/tracheo-oesophageal fistula: An analysis of data of 101 consecutive patients. Paediatric Anaesthesia, 2019, 29, 1024-1032.	0.6	19
47	Optimisation of the Non-invasive Assessment of Critical Limb Ischaemia Requiring Invasive Treatment. European Journal of Vascular and Endovascular Surgery, 2000, 19, 131-137.	0.8	18
48	Difficult arterial cannulation in children: is a near-infrared vascular imaging system the answer?. British Journal of Anaesthesia, 2012, 109, 420-426.	1.5	18
49	Pediatric perioperative outcomes group: Defining core outcomes for pediatric anesthesia and perioperative medicine. Paediatric Anaesthesia, 2018, 28, 314-315.	0.6	18
50	Best practice & research clinical anesthesiology: Safety and quality in perioperative anesthesia care. Update on safety in pediatric anesthesia. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2021, 35, 27-39.	1.7	18
51	Preoperative testing in noncardiac surgery patients. European Journal of Anaesthesiology, 2012, 29, 465-470.	0.7	17
52	A systematic review and narrative synthesis on the histological and neurobehavioral long-term effects of dexmedetomidine. Paediatric Anaesthesia, 2019, 29, 125-136.	0.6	17
53	Cuffed or uncuffed endotracheal tubes in pediatric anesthesia: a survey of current practice in the <sc>United Kingdom</sc> and <sc>The Netherlands</sc>. Paediatric Anaesthesia, 2015, 25, 431-432.	0.6	16
54	Intraoperative blood pressure levels in young and anaesthetised children. Current Opinion in Anaesthesiology, 2018, 31, 313-319.	0.9	16

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55	Off-label use of dexmedetomidine in paediatric anaesthesiology: an international survey of 791 (paediatric) anaesthesiologists. <i>European Journal of Clinical Pharmacology</i> , 2021, 77, 625-635.	0.8	16
56	Postural changes in capillary pressure in the hallux of healthy volunteers. <i>Journal of Applied Physiology</i> , 2003, 95, 2223-2228.	1.2	15
57	What we can learn from Big Data about factors influencing perioperative outcome. <i>Current Opinion in Anaesthesiology</i> , 2018, 31, 723-731.	0.9	15
58	Impaired vascular function in women with pre-eclampsia observed with orthogonal polarisation spectral imaging. <i>British Journal of Obstetrics and Gynaecology</i> , 2001, 108, 1148-1153.	0.9	14
59	Current thinking regarding potential neurotoxicity of general anesthesia in infants. <i>Current Opinion in Urology</i> , 2017, 27, 27-33.	0.9	13
60	Peri-operative red blood cell transfusion in neonates and infants: NEonate and Children audit of Anaesthesia pRactice IN Europe. <i>European Journal of Anaesthesiology</i> , 2022, 39, 252-260.	0.7	13
61	Isoelectric Electroencephalography in Infants and Toddlers during Anesthesia for Surgery: An International Observational Study. <i>Anesthesiology</i> , 2022, 137, 187-200.	1.3	13
62	Surgical practice and outcome in 711 neonates and infants undergoing hernia repair in a large multicenter RCT: Secondary results from the GAS Study. <i>Journal of Pediatric Surgery</i> , 2018, 53, 1643-1650.	0.8	12
63	Medication discontinuity errors in the perioperative period. <i>Acta Anaesthesiologica Scandinavica</i> , 2010, 54, 1185-1191.	0.7	11
64	Artifact Processing Methods Influence on Intraoperative Hypotension Quantification and Outcome Effect Estimates. <i>Anesthesiology</i> , 2020, 132, 723-737.	1.3	10
65	The diagnostic randomized clinical trial is the best solution for management issues in critical limb ischemia. <i>Journal of Clinical Epidemiology</i> , 2004, 57, 1111-1118.	2.4	9
66	Towards integrative neuromonitoring of the surgical newborn. <i>European Journal of Anaesthesiology</i> , 2020, 37, 701-712.	0.7	9
67	Long-term neurodevelopment in children born with esophageal atresia: a systematic review. <i>Ecological Management and Restoration</i> , 2021, 34, .	0.2	9
68	Serious Adverse Events after a Single Shot of Intrathecal Morphine: A Case Series and Systematic Review. <i>Pain Research and Management</i> , 2022, 2022, 1-10.	0.7	9
69	The Diagnosis of Deep Venous Thrombosis Using Laser Doppler Skin Perfusion Measurements. <i>Microvascular Research</i> , 2001, 61, 49-55.	1.1	8
70	Impaired vascular function in women with pre-eclampsia observed with orthogonal polarisation spectral imaging. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2001, 108, 1148-1153.	1.1	8
71	How big data shape paediatric anaesthesia. <i>British Journal of Anaesthesia</i> , 2017, 119, 448-451.	1.5	8
72	Statistical Analysis Plan for "An international multicenter study of isoelectric electroencephalography events in infants and young children during anesthesia for surgery" Paediatric Anaesthesia, 2019, 29, 243-249.	0.6	7

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73	Artifacts annotations in anesthesia blood pressure data by man and machine. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 259-267.	0.7	7
74	Associations of perioperative characteristics with motor function in preschool children born with esophageal atresia. <i>Paediatric Anaesthesia</i> , 2021, 31, 854-862.	0.6	7
75	Perioperative critical events and morbidity associated with anesthesia in early life: Subgroup analysis of United Kingdom participation in the NEonate and Children audiT of Anaesthesia pRactice IN Europe (<scp>NECTARINE</scp>) prospective multicenter observational study. <i>Paediatric Anaesthesia</i> , 2022, 32, 801-814.	0.6	7
76	Early transection of a central venous catheter in a sedated ICU patient. <i>British Journal of Anaesthesia</i> , 2006, 97, 832-834.	1.5	6
77	Minimally Invasive Strip Craniectomy Simplifies Anesthesia Practice in Patients With Isolated Sagittal Synostosis. <i>Journal of Craniofacial Surgery</i> , 2016, 27, 1985-1990.	0.3	6
78	Enrollment challenges in multicenter, international studies: The example of the <scp>GAS</scp> trial. <i>Paediatric Anaesthesia</i> , 2019, 29, 51-58.	0.6	6
79	Interobserver variation in duplex scanning of infrainguinal arterial bypass grafts. <i>European Journal of Vascular and Endovascular Surgery</i> , 2003, 25, 224-228.	0.8	5
80	Navigating Between Scylla and Charybdis; Sevoflurane for Difficult Sedation at the PICU*. <i>Pediatric Critical Care Medicine</i> , 2018, 19, 685-686.	0.2	4
81	Effect of hyperextension of the neck (rose position) on cerebral blood oxygenation in patients who underwent cleft palate reconstructive surgery: prospective cohort study using near-infrared spectroscopy. <i>Clinical Oral Investigations</i> , 2020, 24, 2909-2918.	1.4	4
82	Feasibility of Doppler Ultrasound for Cortical Cerebral Blood Flow Velocity Monitoring During Major Non-cardiac Surgery of Newborns. <i>Frontiers in Pediatrics</i> , 2021, 9, 656806.	0.9	4
83	Primary repair of esophageal atresia is followed by multiple diagnostic and surgical procedures.. <i>Journal of Pediatric Surgery</i> , 2021, 56, 2192-2199.	0.8	4
84	Cognitive Outcomes in Children With Conditions Affecting the Small Intestine. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2022, 74, 368-376.	0.9	4
85	The GAS trial â€œ Authors' reply. <i>Lancet, The</i> , 2016, 387, 1615.	6.3	3
86	A survey of the dose of inhalational agents used to maintain anaesthesia in infants. <i>European Journal of Anaesthesiology</i> , 2017, 34, 158-162.	0.7	3
87	Patient and anesthesia characteristics of children with low preâ€incision blood pressure: A retrospective observational study. <i>Acta Anaesthesiologica Scandinavica</i> , 2020, 64, 472-480.	0.7	3
88	Mitochondrial Oxygen Monitoring During Surgical Repair of Congenital Diaphragmatic Hernia or Esophageal Atresia: A Feasibility Study. <i>Frontiers in Pediatrics</i> , 2020, 8, 532.	0.9	3
89	Cerebral Oxygenation and Activity During Surgical Repair of Neonates With Congenital Diaphragmatic Hernia: A Center Comparison Analysis. <i>Frontiers in Pediatrics</i> , 2021, 9, 798952.	0.9	3
90	General anesthesia as a possible GABAergic modulator affects visual processing in children. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 42.	1.8	2

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91	The GAS study: success rates practicalities and complications of spinal anaesthesia for neonates and infants. <i>European Journal of Anaesthesiology</i> , 2014, 31, 164.	0.7	2
92	The GAS study: the postoperative apnea outcome in a RCT comparing spinal and general anaesthesia for infant hernia repair. <i>European Journal of Anaesthesiology</i> , 2014, 31, 2.	0.7	2
93	A retrospective cohort study of adverse event assessment during anaesthesia-related procedures for cochlear implant candidacy assessment and cochlear implantation in infants and toddlers. <i>Paediatric Anaesthesia</i> , 2020, 30, 1033-1040.	0.6	2
94	Neonatal Pain, Opioid, and Anesthetic Exposure; What Remains in the Human Brain After the Wheels of Time?. <i>Frontiers in Pediatrics</i> , 2022, 10, .	0.9	2
95	1198 Predictability of Complicated Peripheral Venous Access in Children. <i>Pediatric Research</i> , 2010, 68, 592-592.	1.1	1
96	Response to Letter Regarding Article, "Myocardial Injury After Noncardiac Surgery and Its Association With Short-Term Mortality". <i>Circulation</i> , 2014, 129, e324.	1.6	1
97	Contralateral surgical exploration during inguinal hernia repair in infants (HERNIIA trial): study protocol for a multi-centre, randomised controlled trial. <i>Trials</i> , 2021, 22, 670.	0.7	1
98	Preanaesthesia evaluation of non-cardiac surgery patients: A survey amongst European anaesthesiologists. <i>European Journal of Anaesthesiology</i> , 2010, 27, 22.	0.7	0
99	Factors complicating peripheral venous cannulation in children for anesthesia. <i>European Journal of Anaesthesiology</i> , 2010, 27, 158-159.	0.7	0
100	The VascuLuminator: effectiveness of a near-infrared vessel imaging system as a support in arterial puncture in children. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
101	Myocardial injury after noncardiac surgery and short-term mortality. <i>European Heart Journal</i> , 2013, 34, P421-P421.	1.0	0
102	Anesthetic implications of infants with mandibular hypoplasia treated with mandibular distraction osteogenesis. <i>Paediatric Anaesthesia</i> , 2014, 24, 227-228.	0.6	0
103	The Effectiveness of an Infrared Vascular Imaging Device to Support Intravenous Cannulation in Children With Dark Skin Color. <i>Survey of Anesthesiology</i> , 2014, 58, 42.	0.1	0
104	Incidence of Intraoperative Hypoxemia in Children in Relation to Age. <i>Survey of Anesthesiology</i> , 2014, 58, 41-42.	0.1	0
105	O-11 (14:55 to 15:07): Neonatal Brain Oxygenation During Thoracoscopic Correction of Esophageal Atresia. <i>Ecological Management and Restoration</i> , 2016, 29, 288-288.	0.2	0
106	Outcomes in the trial registry should match those in the protocol " Authors' reply. <i>Lancet, The</i> , 2016, 388, 341.	6.3	0
107	Anaesthesiological approach to the floppy child. <i>Minerva Anestesiologica</i> , 2021, 87, 940-949.	0.6	0
108	Predicting hypotension during pediatric anesthesia: Can we move beyond a definition that is in the eye of the beholder?. <i>Paediatric Anaesthesia</i> , 2021, 31, 1025-1027.	0.6	0

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109	Identifying studies on medication error in anaesthesiology. Comment on Br J Anaesth 2021; 127: 458â€“69. British Journal of Anaesthesia, 2021, , .	1.5	0