

C T Matava

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

1,288
citations

393982

19
h-index

414034

32
g-index

83
all docs

83
docs citations

83
times ranked

1494
citing authors

#	ARTICLE	IF	CITATIONS
1	Clear plastic drapes may be effective at limiting aerosolization and droplet spray during extubation: implications for COVID-19. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 902-904.	0.7	137
2	Pediatric Airway Management in COVID-19 Patients: Consensus Guidelines From the Society for Pediatric Anesthesia's Pediatric Difficult Intubation Collaborative and the Canadian Pediatric Anesthesia Society. <i>Anesthesia and Analgesia</i> , 2020, 131, 61-73.	1.1	122
3	Are Parents Getting it Right? A Survey of Parents' Internet Use for Children's Health Care Information. <i>Interactive Journal of Medical Research</i> , 2015, 4, e12.	0.6	115
4	eLearning among Canadian anesthesia residents: a survey of podcast use and content needs. <i>BMC Medical Education</i> , 2013, 13, 59.	1.0	62
5	Power and conflict: the effect of a superior's interpersonal behaviour on trainees' ability to challenge authority during a simulated airway emergency. <i>Anaesthesia</i> , 2015, 70, 1119-1129.	1.8	54
6	A national survey on attitudes and barriers on recycling and environmental sustainability efforts among Canadian anesthesiologists: an opportunity for knowledge translation. <i>Canadian Journal of Anaesthesia</i> , 2019, 66, 272-286.	0.7	44
7	Pediatric laryngoscopy and bronchoscopy during the COVID-19 pandemic: A four-center collaborative protocol to improve safety with perioperative management strategies and creation of a surgical tent with disposable drapes. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 134, 110059.	0.4	43
8	iCanCope PostOp: User-Centered Design of a Smartphone-Based App for Self-Management of Postoperative Pain in Children and Adolescents. <i>JMIR Formative Research</i> , 2019, 3, e12028.	0.7	41
9	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
10	A Convolutional Neural Network for Real Time Classification, Identification, and Labelling of Vocal Cord and Tracheal Using Laryngoscopy and Bronchoscopy Video. <i>Journal of Medical Systems</i> , 2020, 44, 44.	2.2	39
11	Creating Low-Cost 360-Degree Virtual Reality Videos for Hospitals: A Technical Paper on the Dos and Don'ts. <i>Journal of Medical Internet Research</i> , 2018, 20, e239.	2.1	39
12	Machine Learning and Artificial Intelligence in Pediatric Research: Current State, Future Prospects, and Examples in Perioperative and Critical Care. <i>Journal of Pediatrics</i> , 2020, 221, S3-S10.	0.9	32
13	Ultrasound-guided techniques for peripheral intravenous placement in children with difficult venous access. <i>Paediatric Anaesthesia</i> , 2020, 30, 108-115.	0.6	26
14	Canadian Pediatric Anesthesia Society statement on clear fluid fasting for elective pediatric anesthesia. <i>Canadian Journal of Anaesthesia</i> , 2019, 66, 991-992.	0.7	25
15	Artificial intelligence, machine learning and the pediatric airway. <i>Paediatric Anaesthesia</i> , 2020, 30, 264-268.	0.6	25
16	A survey of ultrasound use by academic and community anesthesiologists in Ontario. <i>Canadian Journal of Anaesthesia</i> , 2011, 58, 929-935.	0.7	24
17	Ultrasound Guided Transversus Abdominis Plane vs Surgeon Administered Intraoperative Regional Field Infiltration with Bupivacaine for Early Postoperative Pain Control in Children Undergoing Open Pyeloplasty. <i>Journal of Urology</i> , 2014, 192, 207-213.	0.2	22
18	Anesthesia environmental sustainability programs—a survey of Canadian department chiefs and residency program directors. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 1190-1200.	0.7	22

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19	Anaesthetic management for craniostyosis repair in children. <i>BJA Education</i> , 2016, 16, 410-416.	0.6	20
20	Virtual Reality to Reduce Procedural Pain During IV Insertion in the Pediatric Emergency Department. <i>Clinical Journal of Pain</i> , 2021, 37, 94-101.	0.8	20
21	Digital Pattern Recognition for the Identification and Classification of Hypospadias Using Artificial Intelligence vs Experienced Pediatric Urologist. <i>Urology</i> , 2021, 147, 264-269.	0.5	19
22	A Critical Analysis of Anesthesiology Podcasts: Identifying Determinants of Success. <i>JMIR Medical Education</i> , 2016, 2, e14.	1.2	19
23	Determination of the median effective dose of propofol in combination with different doses of ketamine during gastro-duodenoscopy in children: a randomised controlled trial. <i>British Journal of Anaesthesia</i> , 2018, 121, 453-461.	1.5	18
24	A New Virtual World? The Future of Immersive Environments in Anesthesiology. <i>Anesthesia and Analgesia</i> , 2022, 135, 230-238.	1.1	15
25	State of the Art: Immersive Technologies for Perioperative Anxiety, Acute, and Chronic Pain Management in Pediatric Patients. <i>Current Anesthesiology Reports</i> , 2021, 11, 265-274.	0.9	13
26	Risk assessment and optimization strategies to reduce perioperative respiratory adverse events in pediatric anesthesia—Part 1 patient and surgical factors. <i>Paediatric Anaesthesia</i> , 2022, 32, 209-216.	0.6	13
27	A Canadian Weekend Elective Pediatric Surgery Program to Reduce the COVID-19-Related Backlog: Operating Room Ramp-Up After COVID-19 Lockdown Ends—Extra Lists (ORRACLE-Xtra) Implementation Study. <i>JMIR Perioperative Medicine</i> , 2022, 5, e35584.	0.3	12
28	Real-world impact of the COVID-19 pandemic on the assessment of anaesthesiology residents. <i>British Journal of Anaesthesia</i> , 2020, 125, e430-e432.	1.5	11
29	Use of a high-flow extractor to reduce aerosol exposure in tracheal intubation. <i>British Journal of Anaesthesia</i> , 2020, 125, e363-e366.	1.5	11
30	The rise and fall of the COVID-19 aerosol box through the lens of Twitter. <i>Journal of Clinical Anesthesia</i> , 2021, 69, 110145.	0.7	11
31	Complications associated with paediatric airway management during the COVID-19 pandemic: an international, multicentre, observational study. <i>Anaesthesia</i> , 2022, 77, 649-658.	1.8	11
32	Improved difficult airway documentation using structured notes in Anesthesia Information Management Systems. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 625-627.	0.7	10
33	Twitter Hashtags for Anesthesiologists: Building Global Communities. <i>A&A Practice</i> , 2019, 12, 59-62.	0.2	9
34	Risks and Benefits of Adenotonsillectomy in Children With Cerebral Palsy With Obstructive Sleep Apnea: A Systematic Review. <i>Laryngoscope</i> , 2022, 132, 687-694.	1.1	9
35	Risk assessment and optimization strategies to reduce perioperative respiratory adverse events in Pediatric Anesthesia—Part 2: Anesthesia-related risk and treatment options. <i>Paediatric Anaesthesia</i> , 2022, 32, 217-227.	0.6	9
36	Reducing postoperative pain in children undergoing strabismus surgery: From bundle implementation to clinical decision support tools. <i>Paediatric Anaesthesia</i> , 2020, 30, 415-423.	0.6	8

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37	State of the art in clinical decision support applications in pediatric perioperative medicine. <i>Current Opinion in Anaesthesiology</i> , 2020, 33, 388-394.	0.9	8
38	Mobile Apps for Teaching Intubation: Scoping Review and Critical Analysis in eLearning. <i>JMIR Medical Education</i> , 2017, 3, e15.	1.2	7
39	Investigating faculty assessment of anesthesia trainees and the failing-to-fail phenomenon: a randomized controlled trial. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 1000-1007.	0.7	6
40	A survey of the global impact of COVID-19 on the practice of pediatric anesthesia: A study from the pediatric anesthesia COVID-19 Collaborative Group. <i>Paediatric Anaesthesia</i> , 2021, 31, 720-729.	0.6	6
41	Believe the hype? An evaluation of Twitter activity and publication trends related to the erector spinae plane block. <i>Journal of Clinical Anesthesia</i> , 2021, 75, 110499.	0.7	6
42	COVID-19 implications for pediatric anesthesia: Lessons learnt and how to prepare for the next pandemic. <i>Paediatric Anaesthesia</i> , 2022, 32, 385-390.	0.6	6
43	Lung and airway ultrasound in pediatric anesthesia. <i>Paediatric Anaesthesia</i> , 2022, 32, 202-208.	0.6	6
44	Design and evaluation of a novel and sustainable human-powered low-cost 3D printed thermal laryngoscope. <i>Journal of Medical Systems</i> , 2019, 43, 143.	2.2	5
45	Real-time kidney graft perfusion monitoring using infrared imaging during pediatric kidney transplantation. <i>Journal of Pediatric Urology</i> , 2019, 15, 222.e1-222.e7.	0.6	5
46	Diagnosis and management of complete tracheal rings with concurrent tracheoesophageal fistula. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 133, 109971.	0.4	5
47	Pediatric anesthesia training to early career stage: Opportunities for firm foundations. <i>Paediatric Anaesthesia</i> , 2021, 31, 24-30.	0.6	5
48	Pediatric Airway Management in Times of COVID-19—a Review of the Evidence and Controversies. <i>Current Anesthesiology Reports</i> , 2021, 11, 243-247.	0.9	5
49	The state of adoption of anesthesia information management systems in Canadian academic anesthesia departments: a survey. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 693-705.	0.7	5
50	Early postoperative patient-controlled analgesia ratio predicts 24-hour morphine consumption and pain in children undergoing scoliosis surgery. <i>Journal of Opioid Management</i> , 2014, 10, 39-45.	0.2	5
51	Lung ultrasound and atelectasis—The devil is in the details. <i>Paediatric Anaesthesia</i> , 2021, 31, 1269-1270.	0.6	5
52	Return to school and mask-wearing in class during the COVID-19 pandemic: Student perspectives from a school simulation study. <i>Paediatrics and Child Health</i> , 2022, 27, S15-S21.	0.3	5
53	The plural of anecdote is not data, please mind the gap between virtual and real life. <i>Paediatric Anaesthesia</i> , 2020, 30, 732-733.	0.6	4
54	Anesthesia in the modern world of apps and technology: Implications and impact on wellness. <i>Paediatric Anaesthesia</i> , 2021, 31, 31-38.	0.6	4

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55	Lessons from COVID-19: A reflection on the strengths and weakness of early consensus recommendations for pediatric difficult airway management during a respiratory viral pandemic using a modified Delphi method. <i>Paediatric Anaesthesia</i> , 2021, 31, 1074-1088.	0.6	4
56	Validity evidence for the Anesthesia Clinical Encounter Assessment (ACEA) tool to support competency-based medical education. <i>British Journal of Anaesthesia</i> , 2022, , .	1.5	4
57	Competency-Based Medical Education: Are Canadian Pediatric Anesthesiologists Ready?. <i>Cureus</i> , 2022, 14, e22344.	0.2	4
58	Development of a Head-Mounted Holographic Needle Guidance System for Enhanced Ultrasound-Guided Neuraxial Anesthesia: System Development and Observational Evaluation. <i>JMIR Formative Research</i> , 2022, 6, e36931.	0.7	4
59	An open-source toolkit to assist authors and collaborators during manuscript preparation: AuthorAndCollaborator toolkit. <i>Canadian Journal of Anaesthesia</i> , 2022, 69, 680-681.	0.7	3
60	A Novel Open-Source Novel App Improves Anesthesia Operating Room Equipment Supply. <i>Journal of Medical Systems</i> , 2018, 42, 167.	2.2	2
61	Enhanced Draping for Airway Procedures During the COVID-19 Pandemic. <i>Journal of the American College of Surgeons</i> , 2020, 231, 304-305.	0.2	2
62	An advanced second year fellowship in pediatric pain medicine: development, implementation, and challenges. <i>MedEdPublish</i> , 0, 5, 93.	0.3	2
63	Aerosol Retention Barriers. <i>Anesthesiology</i> , 2021, 134, 9-10.	1.3	2
64	Safe in the first attempt: teaching neonatal airway management. <i>Current Opinion in Anaesthesiology</i> , 2022, 35, 329-336.	0.9	2
65	Monopoly Airplane Lands in Esophagus Leading to Difficult Extraction. <i>A & A Case Reports</i> , 2017, 9, 193-196.	0.7	1
66	In reply: Clear plastic drapes for aerosol-generating medical procedures in COVID-19 patients: questions still remain. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 1466-1467.	0.7	1
67	Meningovertebral ligaments as a cause for difficult epidural placement in a child: identification using epidurography. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 485-486.	0.7	1
68	Coronavirus disease 2019 and pediatric anesthesia. <i>Current Opinion in Anaesthesiology</i> , 2021, 34, 292-298.	0.9	1
69	An Environmental Scan of Anesthesia Information Management Systems in the American and Canadian Marketplace. <i>Journal of Medical Systems</i> , 2021, 45, 101.	2.2	1
70	Use of an Aortic Cannula for Tracheal Intubation in a Patient With Severe Tracheal Stenosis and Tracheoesophageal Fistula: A Case Report. <i>Cureus</i> , 2020, 12, e9456.	0.2	1
71	Chest trauma in children—what an anesthesiologist should know. <i>Paediatric Anaesthesia</i> , 2021, 32, 340.	0.6	1
72	Someday we'll look back on this, and it will all seem funny. The lung and ventilation special issue 2030 and beyond. <i>Paediatric Anaesthesia</i> , 2022, 32, 105-107.	0.6	1

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73	Quantifying Simulated Contamination Deposition on Healthcare Providers Using Image Analysis. Simulation in Healthcare, 2022, Publish Ahead of Print, .	0.7	1
74	The Design of a Pulse Oximeter to MIDI Output Conversion Unit â€” a Technical Report. Journal of Medical Systems, 2018, 42, 41.	2.2	0
75	Supraglottic airway and aerosol generation: Reality or simulation?. Resuscitation, 2021, 160, 172-173.	1.3	0
76	Cutting corners: donning under duressâ€”a VR teaching tool. Canadian Medical Education Journal, 2021, 12, 129-131.	0.3	0
77	The secret to longevity is to keep breathing (Sophie Tucker). Paediatric Anaesthesia, 2022, 32, 95-96.	0.6	0
78	Lungs and ventilation in childrenâ€”alone we can do so little; together we can do so much. Paediatric Anaesthesia, 2022, 32, 103-104.	0.6	0