

# C T Matava

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

1,288  
citations

394421  
19  
h-index

414414  
32  
g-index

83  
all docs

83  
docs citations

83  
times ranked

1494  
citing authors

#	ARTICLE	IF	CITATIONS
1	Risks and Benefits of Adenotonsillectomy in Children With Cerebral Palsy With Obstructive Sleep Apnea: A Systematic Review. <i>Laryngoscope</i> , 2022, 132, 687-694.	2.0	9
2	COVID-19 implications for pediatric anesthesia: Lessons learnt and how to prepare for the next pandemic. <i>Paediatric Anaesthesia</i> , 2022, 32, 385-390.	1.1	6
3	Lung and airway ultrasound in pediatric anesthesia. <i>Paediatric Anaesthesia</i> , 2022, 32, 202-208.	1.1	6
4	The secret to longevity is to keep breathing (Sophie Tucker). <i>Paediatric Anaesthesia</i> , 2022, 32, 95-96.	1.1	0
5	Lungs and ventilation in children—alone we can do so little; together we can do so much. <i>Paediatric Anaesthesia</i> , 2022, 32, 103-104.	1.1	0
6	Validity evidence for the Anesthesia Clinical Encounter Assessment (ACEA) tool to support competency-based medical education. <i>British Journal of Anaesthesia</i> , 2022, , .	3.4	4
7	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.	1.1	1
8	An open-source toolkit to assist authors and collaborators during manuscript preparation: AuthorAndCollaborator toolkit. <i>Canadian Journal of Anaesthesia</i> , 2022, 69, 680-681.	1.6	3
9	Competency-Based Medical Education: Are Canadian Pediatric Anesthesiologists Ready?. <i>Cureus</i> , 2022, 14, e22344.	0.5	4
10	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.	1.0	12
11	Complications associated with paediatric airway management during the COVID-19 pandemic: an international, multicentre, observational study. <i>Anaesthesia</i> , 2022, 77, 649-658.	3.8	11
12	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.	1.1	9
13	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.	1.1	13
14	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.	0.6	5
15	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.	1.4	4
16	Quantifying Simulated Contamination Deposition on Healthcare Providers Using Image Analysis. <i>Simulation in Healthcare</i> , 2022, Publish Ahead of Print, .	1.2	1
17	Safe in the first attempt: teaching neonatal airway management. <i>Current Opinion in Anaesthesiology</i> , 2022, 35, 329-336.	2.0	2
18	A New Virtual World? The Future of Immersive Environments in Anesthesiology. <i>Anesthesia and Analgesia</i> , 2022, 135, 230-238.	2.2	15

#	ARTICLE	IF	CITATIONS
19	Anesthesia in the modern world of apps and technology: Implications and impact on wellness. Paediatric Anaesthesia, 2021, 31, 31-38.	1.1	4
20	Pediatric anesthesia training to early career stage: Opportunities for firm foundations. Paediatric Anaesthesia, 2021, 31, 24-30.	1.1	5
21	Digital Pattern Recognition for the Identification and Classification of Hypospadias Using Artificial Intelligence vs Experienced Pediatric Urologist. Urology, 2021, 147, 264-269.	1.0	19
22	The rise and fall of the COVID-19 aerosol box through the lens of Twitter. Journal of Clinical Anesthesia, 2021, 69, 110145.	1.6	11
23	A comparison of videolaryngoscopy using standard blades or non-standard blades in children in the Paediatric Difficult Intubation Registry. British Journal of Anaesthesia, 2021, 126, 331-339.	3.4	40
24	Supraglottic airway and aerosol generation: Reality or simulation?. Resuscitation, 2021, 160, 172-173.	3.0	0
25	Investigating faculty assessment of anesthesia trainees and the failing-to-fail phenomenon: a randomized controlled trial. Canadian Journal of Anaesthesia, 2021, 68, 1000-1007.	1.6	6
26	Coronavirus disease 2019 and pediatric anesthesia. Current Opinion in Anaesthesiology, 2021, 34, 292-298.	2.0	1
27	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. Paediatric Anaesthesia, 2021, 31, 720-729.	1.1	6
28	Pediatric Airway Management in Times of COVID-19—a Review of the Evidence and Controversies. Current Anesthesiology Reports, 2021, 11, 243-247.	2.0	5
29	State of the Art: Immersive Technologies for Perioperative Anxiety, Acute, and Chronic Pain Management in Pediatric Patients. Current Anesthesiology Reports, 2021, 11, 265-274.	2.0	13
30	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. Paediatric Anaesthesia, 2021, 31, 1074-1088.	1.1	4
31	Believe the hype? An evaluation of Twitter activity and publication trends related to the erector spinae plane block. Journal of Clinical Anesthesia, 2021, 75, 110499.	1.6	6
32	The state of adoption of anesthesia information management systems in Canadian academic anesthesia departments: a survey. Canadian Journal of Anaesthesia, 2021, 68, 693-705.	1.6	5
33	Virtual Reality to Reduce Procedural Pain During IV Insertion in the Pediatric Emergency Department. Clinical Journal of Pain, 2021, 37, 94-101.	1.9	20
34	An Environmental Scan of Anesthesia Information Management Systems in the American and Canadian Marketplace. Journal of Medical Systems, 2021, 45, 101.	3.6	1
35	Lung ultrasound and atelectasis—The devil is in the details. Paediatric Anaesthesia, 2021, 31, 1269-1270.	1.1	5
36	Aerosol Retention Barriers. Anesthesiology, 2021, 134, 9-10.	2.5	2

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37	Cutting corners: donning under duress—a VR teaching tool. Canadian Medical Education Journal, 2021, 12, 129-131.	0.4	0
38	Chest trauma in children—what an anesthesiologist should know. Paediatric Anaesthesia, 2021, 32, 340.	1.1	1
39	Reducing postoperative pain in children undergoing strabismus surgery: From bundle implementation to clinical decision support tools. Paediatric Anaesthesia, 2020, 30, 415-423.	1.1	8
40	Artificial intelligence, machine learning and the pediatric airway. Paediatric Anaesthesia, 2020, 30, 264-268.	1.1	25
41	A Convolutional Neural Network for Real Time Classification, Identification, and Labelling of Vocal Cord and Tracheal Using Laryngoscopy and Bronchoscopy Video. Journal of Medical Systems, 2020, 44, 44.	3.6	39
42	Ultrasound-guided techniques for peripheral intravenous placement in children with difficult venous access. Paediatric Anaesthesia, 2020, 30, 108-115.	1.1	26
43	Improved difficult airway documentation using structured notes in Anesthesia Information Management Systems. Canadian Journal of Anaesthesia, 2020, 67, 625-627.	1.6	10
44	Real-world impact of the COVID-19 pandemic on the assessment of anaesthesiology residents. British Journal of Anaesthesia, 2020, 125, e430-e432.	3.4	11
45	Use of a high-flow extractor to reduce aerosol exposure in tracheal intubation. British Journal of Anaesthesia, 2020, 125, e363-e366.	3.4	11
46	The plural of anecdote is not data, please mind the gap between virtual and real life. Paediatric Anaesthesia, 2020, 30, 732-733.	1.1	4
47	In reply: Clear plastic drapes for aerosol-generating medical procedures in COVID-19 patients: questions still remain. Canadian Journal of Anaesthesia, 2020, 67, 1466-1467.	1.6	1
48	Enhanced Draping for Airway Procedures During the COVID-19 Pandemic. Journal of the American College of Surgeons, 2020, 231, 304-305.	0.5	2
49	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. Anesthesia and Analgesia, 2020, 131, 61-73.	2.2	122
50	Anesthesia environmental sustainability programs—a survey of Canadian department chiefs and residency program directors. Canadian Journal of Anaesthesia, 2020, 67, 1190-1200.	1.6	22
51	Meningovertebral ligaments as a cause for difficult epidural placement in a child: identification using epidurography. Canadian Journal of Anaesthesia, 2020, 67, 485-486.	1.6	1
52	Diagnosis and management of complete tracheal rings with concurrent tracheoesophageal fistula. International Journal of Pediatric Otorhinolaryngology, 2020, 133, 109971.	1.0	5
53	Clear plastic drapes may be effective at limiting aerosolization and droplet spray during extubation: implications for COVID-19. Canadian Journal of Anaesthesia, 2020, 67, 902-904.	1.6	137
54	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. International Journal of Pediatric Otorhinolaryngology, 2020, 134, 110059.	1.0	43

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55	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.	1.8	32
56	State of the art in clinical decision support applications in pediatric perioperative medicine. <i>Current Opinion in Anaesthesiology</i> , 2020, 33, 388-394.	2.0	8
57	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.	0.5	1
58	Canadian Pediatric Anesthesia Society statement on clear fluid fasting for elective pediatric anesthesia. <i>Canadian Journal of Anaesthesia</i> , 2019, 66, 991-992.	1.6	25
59	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.	3.6	5
60	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.	1.1	5
61	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.	1.6	44
62	Twitter Hashtags for Anesthesiologists: Building Global Communities. <i>A&amp;A Practice</i> , 2019, 12, 59-62.	0.4	9
63	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.	1.4	41
64	The Design of a Pulse Oximeter to MIDI Output Conversion Unit – a Technical Report. <i>Journal of Medical Systems</i> , 2018, 42, 41.	3.6	0
65	A Novel Open-Source Novel App Improves Anesthesia Operating Room Equipment Supply. <i>Journal of Medical Systems</i> , 2018, 42, 167.	3.6	2
66	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.	3.4	18
67	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.	4.3	39
68	Monopoly Airplane Lands in Esophagus Leading to Difficult Extraction. <i>A &amp; A Case Reports</i> , 2017, 9, 193-196.	0.7	1
69	Mobile Apps for Teaching Intubation: Scoping Review and Critical Analysis in eLearning. <i>JMIR Medical Education</i> , 2017, 3, e15.	2.6	7
70	Anaesthetic management for craniosynostosis repair in children. <i>BJA Education</i> , 2016, 16, 410-416.	1.4	20
71	A Critical Analysis of Anesthesiology Podcasts: Identifying Determinants of Success. <i>JMIR Medical Education</i> , 2016, 2, e14.	2.6	19
72	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.	3.8	54

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73	Are Parents Getting it Right? A Survey of Parents's™ Internet Use for Children's™ Health Care Information. Interactive Journal of Medical Research, 2015, 4, e12.	1.4	115
74	Ultrasound Guided Transversus Abdominis Plane vs Surgeon Administered Intraoperative Regional Field Infiltration with Bupivacaine for Early Postoperative Pain Control in Children Undergoing Open Pyeloplasty. Journal of Urology, 2014, 192, 207-213.	0.4	22
75	Early postoperative patient-controlled analgesia ratio predicts 24-hour morphine consumption and pain in children undergoing scoliosis surgery. Journal of Opioid Management, 2014, 10, 39-45.	0.5	5
76	eLearning among Canadian anesthesia residents: a survey of podcast use and content needs. BMC Medical Education, 2013, 13, 59.	2.4	62
77	A survey of ultrasound use by academic and community anesthesiologists in Ontario. Canadian Journal of Anaesthesia, 2011, 58, 929-935.	1.6	24
78	An advanced second year fellowship in pediatric pain medicine: development, implementation, and challenges. MedEdPublish, 0, 5, 93.	0.3	2