Allan F Simpao,, Mbi

List of Publications by Year
in descending order

85 papers	988 citations	471371 17 h-index	501076 28 g-index
90 all docs	90 docs citations	90 times ranked	1207 citing authors

#	Article	IF	Citations
1	A Review of Analytics and Clinical Informatics in Health Care. Journal of Medical Systems, 2014, 38, 45.	2.2	112
2	Big data and visual analytics in anaesthesia and health care. British Journal of Anaesthesia, 2015, 115, 350-356.	1.5	90
3	Optimization of drugâ€“drug interaction alert rules in a pediatric hospital's electronic health record system using a visual analytics dashboard. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 361-369.	2.2	74
4	Preoperative Fluid Fasting Times and Postinduction Low Blood Pressure in Children. Anesthesiology, 2020, 133, 523-533.	1.3	42
5	Hypoxemia, Bradycardia, and Multiple Laryngoscopy Attempts during Anesthetic Induction in Infants. Anesthesiology, 2019, 131, 830-839.	1.3	40
6	A systematic review of near real-time and point-of-care clinical decision support in anesthesia information management systems. Journal of Clinical Monitoring and Computing, 2017, 31, 885-894.	0.7	37
7	Design and Implementation of a Visual Analytics Electronic Antibiogram within an Electronic Health Record System at a Tertiary Pediatric Hospital. Applied Clinical Informatics, 2018, 09, 037-045.	0.8	36
8	Anesthesia Information Management Systems. Anesthesia and Analgesia, 2018, 127, 90-94.	1.1	34
9	The first 100 infant thoracoscopic lobectomies: Observations through the learning curve and comparison to open lobectomy. Journal of Pediatric Surgery, 2015, 50, 1811-1816.	0.8	29
10	The Design and Implementation of an Automated System for Logging Clinical Experiences Using an Anesthesia Information Management System. Anesthesia and Analgesia, 2011, 112, 422-429.	1.1	27
11	A Narrative Review of Meaningful Use and Anesthesia Information Management Systems. Anesthesia and Analgesia, 2015, 121, 693-706.	1.1	25
12	Perioperative Smartphone Apps and Devices for Patient-Centered Care. Journal of Medical Systems, 2015, 39, 102.	2.2	25
13	Artificial intelligence, machine learning and the pediatric airway. Paediatric Anaesthesia, 2020, 30, 264-268.	0.6	25
14	The reliability of manual reporting of clinical events in an anesthesia information management system (AIMS). Journal of Clinical Monitoring and Computing, 2012, 26, 437-439.	0.7	22
15	The use of natural language processing on pediatric diagnostic radiology reports in the electronic health record to identify deep venous thrombosis in children. Journal of Thrombosis and Thrombolysis, 2017, 44, 281-290.	1.0	22
16	Visual analytical tool for evaluation of 10-year perioperative transfusion practice at a children's hospital. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 529-534.	2.2	18
17	Interactive pediatric emergency checklists to the palm of your hand â€•How the Pedi Crisis App traveled around the world. Paediatric Anaesthesia, 2017, 27, 835-840.	0.6	18
18	Prediction of Periventricular Leukomalacia in Neonates after Cardiac Surgery Using Machine Learning Algorithms. Journal of Medical Systems, 2018, 42, 177.	2.2	18

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19	Artificial Intelligence in Anesthesiology. Anesthesia and Analgesia, 2020, 130, 1111-1113.	1.1	17
20	Early prediction of clinical deterioration using data-driven machine-learning modeling of electronic health records. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, 211-222.e3.	0.4	16
21	Early detection of critical pulmonary shunts in infants. , 2015, , .		15
22	The Migration of Caudally Threaded Thoracic Epidural Catheters in Neonates and Infants. Anesthesia and Analgesia, 2019, 129, 477-481.	1.1	14
23	Contribution of the active metabolite, norcocaine, to cocaine's effects after intravenous and oral administration in rats: pharmacodynamics. Psychopharmacology, 2001, 153, 341-352.	1.5	13
24	The timing and prevalence of intraoperative hypotension in infants undergoing laparoscopic pyloromyotomy at a tertiary pediatric hospital. Paediatric Anaesthesia, 2017, 27, 66-76.	0.6	13
25	Outcomes of laparoscopic and open surgery in children with and without congenital heart disease. Journal of Pediatric Surgery, 2018, 53, 1980-1988.	0.8	13
26	A Visual Analytics Dashboard to Summarize Serial Anesthesia Records in Pediatric Radiation Treatment. Applied Clinical Informatics, 2019, 10, 563-569.	0.8	13
27	Neural Network Classifier for Automatic Detection of Invasive Versus Noninvasive Airway Management Technique Based on Respiratory Monitoring Parameters in a Pediatric Anesthesia. Journal of Medical Systems, 2017, 41, 153.	2.2	12
28	The impact of simulationâ€based medical education on resident management of emergencies in pediatric anesthesiology. Paediatric Anaesthesia, 2019, 29, 753-759.	0.6	12
29	A Technical Evaluation of Wireless Connectivity from Patient Monitors to an Anesthesia Information Management System During Intensive Care Unit Surgery. Anesthesia and Analgesia, 2016, 122, 425-429.	1.1	11
30	Not Just a Pretty Face: Three-Dimensional Printed Custom Airway Management Devices. 3D Printing and Additive Manufacturing, 2016, 3, 160-165.	1.4	10
31	When Seconds Count, Buy More Time. Anesthesiology, 2016, 124, 750-751.	1.3	9
32	STBUR: Sleep trouble breathing and unrefreshed questionnaire: Evaluation of screening tool for postanesthesia care and disposition. Paediatric Anaesthesia, 2019, 29, 821-828.	0.6	9
33	From Simulation to Separation Surgery. Anesthesiology, 2014, 120, 110-110.	1.3	8
34	Anesthesia Informatics Grows Up. Anesthesia and Analgesia, 2018, 127, 18-20.	1.1	7
35	Duration of preoperative clear fluid fasting and peripheral intravenous catheterization in children: A singleâ€center observational cohort study of 9693 patients. Paediatric Anaesthesia, 2020, 30, 137-146.	0.6	7
36	Prediction of Critical Pulmonary Shunts in Infants. IEEE Transactions on Control Systems Technology, 2016, 24, 1936-1952.	3.2	6

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37	A Narrative Review of Analytics in Pediatric Cardiac Anesthesia and Critical Care Medicine. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 479-482.	0.6	6
38	Fetal anesthesia: intrauterine therapies and immediate postnatal anesthesia for noncardiac surgical interventions. Current Opinion in Anaesthesiology, 2020, 33, 368-373.	0.9	6
39	An Interactive Virtual Reality Tour for Adolescents Receiving Proton Radiation Therapy: Proof-of-Concept Study. JMIR Perioperative Medicine, 2019, 2, e11259.	0.3	6
40	The state of adoption of anesthesia information management systems in Canadian academic anesthesia departments: a survey. Canadian Journal of Anaesthesia, 2021, 68, 693-705.	0.7	5
41	Atypical Presentation of a Pulmonary Embolism in the Perioperative Setting. A & A Case Reports, 2015, 5, 54-56.	0.7	4
42	Induction of General Anesthesia Is in the Eye of the Beholderâ€"Objective Feedback Through a Wearable Camera. Journal of Graduate Medical Education, 2015, 7, 268-269.	0.6	4
43	Ultrasound-guided Vascular Access. Anesthesiology, 2016, 125, 396-396.	1.3	4
44	A Novel Nonlinear Mathematical Model of Thoracic Wall Mechanics During Cardiopulmonary Resuscitation Based on a Porcine Model of Cardiac Arrest. Journal of Medical Systems, 2017, 41, 20.	2.2	4
45	Reporting of Observational Research in A<scp>nesthesiology</scp>. Anesthesiology, 2018, 128, 250-251.	1.3	4
46	Transient and Reproducible Loss of Motor-Evoked Potential Signals After Intravenous Levetiracetam in a Child Undergoing Craniotomy for Resection of Astrocytoma. A & A Case Reports, 2015, 4, 26-28.	0.7	3
47	An Unusual Lacerated Tracheal Tube during Le Fort Surgery: Literature Review and Case Report. Case Reports in Anesthesiology, 2016, 2016, 1-4.	0.2	3
48	Estimation of Blood Oxygen Content Using Context-Aware Filtering. , 2016, , .		3
49	Should We Fear Computers or the Lack of Them? Technology, Digital Quality Improvement, and the Care Redesign Process. Anesthesiology, 2017, 126, 369-370.	1.3	3
50	Anesthesia Informatics in 2018. Advances in Anesthesia, 2019, 37, 145-162.	0.5	3
51	Automated anesthesia artifact analysis: can machines be trained to take out the garbage?. Journal of Clinical Monitoring and Computing, 2021, 35, 225-227.	0.7	3
52	Special Case: Perioperative Information Management Systems. , 2014, , 391-397.		3
53	An open-source toolkit to assist authors and collaborators during manuscript preparation: AuthorAndCollaborator toolkit. Canadian Journal of Anaesthesia, 2022, 69, 680-681.	0.7	3
54	Can We Finally Take the â€œVEâ€•Out of THRIVE?. Anesthesiology, 2022, 136, 1-3.	1.3	3

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55	Cephalad Migration of Pediatric Caudal Epidural Catheters Associated with Change from Prone to Supine Position. Anesthesiology, 2012, 117, 1353-1353.	1.3	2
56	A Retrospective Study of Neurological Complications in Pediatric Patients With Moyamoya Disease Undergoing General Anesthesia. Anesthesia and Analgesia, 2021, 132, 493-499.	1.1	2
57	Basic Principles of Obstetric Anesthesiology: A Crossword Puzzle. Journal of Clinical and Diagnostic Research JCDR, 2017, 11, UO01-UO02.	0.8	2
58	Conflict management in the health care workplace. Physician Executive, 2013, 39, 54-6, 58.	0.1	2
59	Spontaneous activity as a contingency-controlled behavior within an operant context: alprazolam concentration-effect relations after subcutaneous administration in rats. Psychopharmacology, 2001, 155, 269-277.	1.5	1
60	Shoulder Dystocia, Laryngeal Tear, Mediastinal Intubation, and Extracorporeal Membrane Oxygenation in a Neonate. Anesthesiology, 2014, 120, 480-480.	1.3	1
61	Application of Python to AIMS Data to Analyze Intraoperative Hypotension through Pediatric Blood Pressure Curves. , 2014, , .		1
62	The vanishing neck mass: how using a laryngeal mask airway during magnetic resonance imaging of a child can cause misdiagnosis. Paediatric Anaesthesia, 2016, 26, 942-943.	0.6	1
63	Visual analytics dashboard to explore the relationship of unscheduled treatment interruptions and variations in airway management for children undergoing external beam radiation therapy. Practical Radiation Oncology, 2017, 7, e339-e344.	1.1	1
64	A Dynamic Model of Rescuer Parameters for Optimizing Blood Gas Delivery during Cardiopulmonary Resuscitation. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-6.	0.7	1
65	One Laryngospasm, 2 Realities: A Case Report Highlighting the Impact of Data Granularity on Post Hoc Analysis of Perioperative Events. A&A Practice, 2018, 11, 315-317.	0.2	1
66	Thromboelastography Changes of Whole Blood Compared to Blood Component Transfusion in Infant Craniosynostosis Surgery. Journal of Craniofacial Surgery, 2022, 33, 129-133.	0.3	1
67	An Environmental Scan of Anesthesia Information Management Systems in the American and Canadian Marketplace. Journal of Medical Systems, 2021, 45, 101.	2.2	1
68	Images in Anesthesiology: Inversion of the Right Hemidiaphragm due to Massive Hemothorax after Central Line Placement. Anesthesiology, 2015, 122, 190-190.	1.3	0
69	In Response. Anesthesia and Analgesia, 2016, 123, 1063.	1.1	0
70	In Response. A & A Case Reports, 2016, 6, 138.	0.7	0
71	Special considerations for the pediatric patient. , 0, , 316-323.		0
72	T-wave Alternans and Long QT Syndrome. Anesthesiology, 2017, 127, 567-567.	1.3	0

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73	Life as a Resident in the Inaugural Class of a New Residency Program. Journal of Graduate Medical Education, 2017, 9, 402-403.	0.6	0
74	The Expected Role of the Anesthesiologist in Delivering Bad News. Anesthesia and Analgesia, 2018, 126, 1774-1776.	1.1	0
75	Dyeing to Find Out How an â€œAWEsimâ€•Bundle Can Impact Anesthesia Work Environment Contamination. Anesthesia and Analgesia, 2018, 127, 594-595.	1.1	0
76	A retrospective study of the impact of supraglottic airway devices on the appearance of neck masses in children undergoing serial magnetic resonance imaging. Paediatric Anaesthesia, 2018, 28, 1123-1128.	0.6	0
77	In Response. Anesthesia and Analgesia, 2019, 128, e31.	1.1	0
78	In Response. Anesthesia and Analgesia, 2019, 128, e31-e32.	1.1	0
79	Designing Babies: How Technology Is Changing the Ways We Create Children. Anesthesia and Analgesia, 2020, 131, e60-e60.	1.1	0
80	Exhaled nitric oxide measurement before pediatric adenotonsillectomy: A feasibility study. Paediatric Anaesthesia, 2020, 30, 1027-1032.	0.6	0
81	Fasting Duration and Blood Pressure in Children: Reply. Anesthesiology, 2021, 134, 668-669.	1.3	0
82	Predicting hypotension during pediatric anesthesia: Can we move beyond a definition that is in the eye of the beholder?. Paediatric Anaesthesia, 2021, 31, 1025-1027.	0.6	0
83	Analysis of Laryngoscopy Attempts in Infants: Reply. Anesthesiology, 2020, 133, 237-238.	1.3	0
84	Cervical rib and the risk for undiagnosed thoracic outlet syndrome. Journal of Anaesthesiology Clinical Pharmacology, 2018, 34, 419.	0.2	0
85	â€œMining large data on small veins to inform pediatric perioperative difficult intravenous accessâ€• Paediatric Anaesthesia, 2022, 32, 790-791.	0.6	0