

Alexandre T Rotta

List of Publications by Year in descending order

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Version: 2024-02-01

131
papers

1,998
citations

304743

22
h-index

276875

41
g-index

137
all docs

137
docs citations

137
times ranked

2062
citing authors

#	ARTICLE	IF	CITATIONS
1	Three Linked Vasculopathic Processes Characterize Kawasaki Disease: A Light and Transmission Electron Microscopic Study. PLoS ONE, 2012, 7, e38998.	2.5	284
2	Comparison of lung protective ventilation strategies in a rabbit model of acute lung injury. Critical Care Medicine, 2001, 29, 2176-2184.	0.9	116
3	Partial liquid ventilation reduces pulmonary neutrophil accumulation in an experimental model of systemic endotoxemia and acute lung injury. Critical Care Medicine, 1998, 26, 1707-1715.	0.9	108
4	High-dose dexmedetomidine sedation for pediatric MRI. Paediatric Anaesthesia, 2011, 21, 153-158.	1.1	75
5	Fulminant pertussis: A multicenter study with new insights into the clinical-pathological mechanisms. Pediatric Pulmonology, 2009, 44, 970-980.	2.0	67
6	Partial liquid ventilation influences pulmonary histopathology in an animal model of acute lung injury. Journal of Critical Care, 1999, 14, 84-92.	2.2	66
7	Gastric acid and particulate aspiration injury inhibits pulmonary bacterial clearance. Critical Care Medicine, 2004, 32, 747-754.	0.9	64
8	Impact of Postoperative Hyperglycemia following Surgical Repair of Congenital Cardiac Defects. Pediatric Cardiology, 2008, 29, 628-636.	1.3	64
9	Outcomes of Children With Bronchiolitis Treated With High-Flow Nasal Cannula or Noninvasive Positive Pressure Ventilation*. Pediatric Critical Care Medicine, 2019, 20, 128-135.	0.5	56
10	Reduced PICU respiratory admissions during COVID-19. Archives of Disease in Childhood, 2021, 106, 808-811.	1.9	56
11	Severe Acute Respiratory Syndrome Coronavirus 2 Infections Among Children in the Biospecimens from Respiratory Virus-Exposed Kids (BRAVE Kids) Study. Clinical Infectious Diseases, 2021, 73, e2875-e2882.	5.8	51
12	Pathophysiology of Cardiac Extracorporeal Membrane Oxygenation. Artificial Organs, 1999, 23, 966-969.	1.9	48
13	Partial liquid ventilation with perflubron attenuates in vivo oxidative damage to proteins and lipids. Critical Care Medicine, 2000, 28, 202-208.	0.9	46
14	Asymptomatic or mild symptomatic SARS-CoV-2 infection elicits durable neutralizing antibody responses in children and adolescents. JCI Insight, 2021, 6, .	5.0	45
15	Changes in Pediatric ICU Utilization and Clinical Trends During the Coronavirus Pandemic. Chest, 2021, 160, 529-537.	0.8	42
16	Liquid ventilation attenuates pulmonary oxidative damage. Journal of Critical Care, 1999, 14, 20-28.	2.2	41
17	Respiratory emergencies in children. Respiratory Care, 2003, 48, 248-58; discussion 258-60.	1.6	41
18	Strict Glycemic Targets Need Not Be So Strict: A More Permissive Glycemic Range for Critically Ill Children. Pediatrics, 2008, 122, e898-e904.	2.1	38

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19	The use of high-flow nasal cannula in the pediatric emergency department. <i>Jornal De Pediatria</i> , 2017, 93, 36-45.	2.0	38
20	Outcomes of Acute Chest Syndrome in Adult Patients with Sickle Cell Disease: Predictors of Mortality. <i>PLoS ONE</i> , 2014, 9, e94387.	2.5	37
21	Predictors of Complications of Tonsillectomy With or Without Adenoidectomy in Hospitalized Children and Adolescents in the United States, 2001-2010. <i>Clinical Pediatrics</i> , 2016, 55, 593-602.	0.8	35
22	Neurologic and Functional Morbidity in Critically Ill Children With Bronchiolitis*. <i>Pediatric Critical Care Medicine</i> , 2017, 18, 1106-1113.	0.5	27
23	Outcomes of Children With Critical Bronchiolitis Living in Poor Communities. <i>Clinical Pediatrics</i> , 2018, 57, 1027-1032.	0.8	23
24	High-Flow Nasal Cannula versus Continuous Positive Airway Pressure in Critical Bronchiolitis: A Randomized Controlled Pilot. <i>Journal of Pediatric Intensive Care</i> , 2020, 09, 248-255.	0.8	23
25	Age-Related Changes in the Nasopharyngeal Microbiome Are Associated With Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection and Symptoms Among Children, Adolescents, and Young Adults. <i>Clinical Infectious Diseases</i> , 2022, 75, e928-e937.	5.8	22
26	Perfluorooctyl bromide (perflubron) attenuates oxidative injury to biological and nonbiological systems. <i>Pediatric Critical Care Medicine</i> , 2003, 4, 233-238.	0.5	20
27	Severe Acute Respiratory Syndrome—Associated Coronavirus 2 Infection and Organ Dysfunction in the ICU: Opportunities for Translational Research. , 2021, 3, e0374.		20
28	Hospital Based Emergency Department Visits Attributed to Child Physical Abuse in United States: Predictors of In-Hospital Mortality. <i>PLoS ONE</i> , 2014, 9, e100110.	2.5	20
29	Progress and perspectives in pediatric acute respiratory distress syndrome. <i>Revista Brasileira De Terapia Intensiva</i> , 2015, 27, 266-73.	0.3	19
30	Fatalities Above 30,000 Feet. <i>Pediatric Critical Care Medicine</i> , 2014, 15, e360-e363.	0.5	17
31	Lipid peroxidation during initiation of extracorporeal membrane oxygenation after hypoxia in endotoxemic rabbits. <i>Perfusion (United Kingdom)</i> , 1999, 14, 49-57.	1.0	15
32	Hyponatremia and Hypotonic Intravenous Fluids Are Associated With Unfavorable Outcomes of Bronchiolitis Admissions. <i>Hospital Pediatrics</i> , 2017, 7, 263-270.	1.3	14
33	Temporal Changes in Prescription of Neuropharmacologic Drugs and Utilization of Resources Related to Neurologic Morbidity in Mechanically Ventilated Children With Bronchiolitis*. <i>Pediatric Critical Care Medicine</i> , 2017, 18, e606-e614.	0.5	14
34	Outcomes of Children With Critical Bronchiolitis Meeting at Risk for Pediatric Acute Respiratory Distress Syndrome Criteria*. <i>Pediatric Critical Care Medicine</i> , 2019, 20, e70-e76.	0.5	14
35	A call for full public disclosure for donation after circulatory determination of death in children. <i>Pediatric Critical Care Medicine</i> , 2011, 12, 375-377.	0.5	13
36	Is permissive hypercapnia a beneficial strategy for pediatric acute lung injury?. <i>Respiratory Care Clinics of North America</i> , 2006, 12, 371-87.	0.5	12

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37	In-Flight Injuries Involving Children on Commercial Airline Flights. <i>Pediatric Emergency Care</i> , 2016, Publish Ahead of Print, 687-691.	0.9	11
38	Factors Associated With Early Deaths Following Neonatal Male Circumcision in the United States, 2001 to 2010. <i>Clinical Pediatrics</i> , 2018, 57, 1532-1540.	0.8	11
39	<i>Moraxella catarrhalis</i> Bacteremia and Preseptal Cellulitis. <i>Southern Medical Journal</i> , 1994, 87, 541-542.	0.7	11
40	Tratamento atual de crianças com asma crônica e quase fatal. <i>Revista Brasileira De Terapia Intensiva</i> , 2016, 28, 167-78.	0.3	10
41	High-Flow Nasal Cannula in Pediatric Critical Asthma. <i>Respiratory Care</i> , 2021, 66, 1240-1246.	1.6	10
42	MORAXELLA CATARRHALIS VENTRICULITIS IN A CHILD WITH HYDROCEPHALUS AND AN EXTERNAL VENTRICULAR DRAIN. <i>Pediatric Infectious Disease Journal</i> , 1995, 14, 397.	2.0	9
43	Critical Illness Hyperglycemia in Pediatric Cardiac Surgery. <i>Journal of Diabetes Science and Technology</i> , 2012, 6, 29-36.	2.2	9
44	Prevalence, predictors, and outcomes of methicillin-resistant <i>Staphylococcus aureus</i> infections in patients undergoing major surgical procedures in the United States: a population-based study. <i>American Journal of Surgery</i> , 2015, 210, 59-67.	1.8	9
45	Corticosteroid Therapy During Acute Bronchiolitis in Patients Who Later Develop Asthma. <i>Hospital Pediatrics</i> , 2017, 7, 403-409.	1.3	9
46	A narrative review of advanced ventilator modes in the pediatric intensive care unit. <i>Translational Pediatrics</i> , 2021, 10, 2700-2719.	1.2	9
47	Prevalence of Reintubation Within 24 Hours of Extubation in Bronchiolitis: Retrospective Cohort Study Using the Virtual Pediatric Systems Database*. <i>Pediatric Critical Care Medicine</i> , 2021, 22, 474-482.	0.5	9
48	High Flow Nasal Cannula Flow Rates: New Data Worth the Weight. <i>Journal of Pediatrics</i> , 2017, 189, 9-10.	1.8	8
49	The impact of septicemia occurring during hospitalization for renal transplantation procedures on outcomes in adults in United States. <i>PLoS ONE</i> , 2017, 12, e0179466.	2.5	8
50	Characterization of In-Flight Medical Events Involving Children on Commercial Airline Flights. <i>Annals of Emergency Medicine</i> , 2020, 75, 66-74.	0.6	8
51	High-Frequency Jet Ventilation in Pediatric Acute Respiratory Failure. <i>Respiratory Care</i> , 2021, 66, 191-198.	1.6	8
52	Validation of a pediatric bedside tool to predict time to death after withdrawal of life support. <i>World Journal of Clinical Pediatrics</i> , 2016, 5, 89.	2.1	8
53	Safety of Warfarin Dosing in the Intensive Care Unit Following the Fontan Procedure. <i>Congenital Heart Disease</i> , 2014, 9, 361-365.	0.2	7
54	Prevalence and Predictors of Gastrostomy Tube and Tracheostomy Placement in Anoxic/Hypoxic Ischemic Encephalopathic Survivors of In-Hospital Cardiopulmonary Resuscitation in the United States. <i>PLoS ONE</i> , 2015, 10, e0132612.	2.5	7

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55	Trends in Head Computed Tomography Utilization in Children Presenting to Emergency Departments After Traumatic Head Injury. <i>Pediatric Emergency Care</i> , 2021, 37, e384-e390.	0.9	7
56	Heliox enhances carbon dioxide clearance from lungs of normal rabbits during low bias flow oscillation. <i>Pediatric Critical Care Medicine</i> , 2003, 4, 89-93.	0.5	6
57	Implementation of a diuretic stewardship program in a pediatric cardiovascular intensive care unit to reduce medication expenditures. <i>American Journal of Health-System Pharmacy</i> , 2015, 72, 1047-1051.	1.0	6
58	Palliative extubation: five-year experience in a pediatric hospital. <i>Jornal De Pediatria</i> , 2020, 96, 652-659.	2.0	6
59	Suicide and Self-Harm in Children and Adolescents Admitted to PICUs in the United States. <i>Pediatric Critical Care Medicine</i> , 2022, 23, e66-e70.	0.5	6
60	Epidemiology and Outcomes of SARS-CoV-2 Infection or Multisystem Inflammatory Syndrome in Children vs Influenza Among Critically Ill Children. <i>JAMA Network Open</i> , 2022, 5, e2217217.	5.9	6
61	Combining lung-protective strategies in experimental acute lung injury: The impact of high-frequency partial liquid ventilation. <i>Pediatric Critical Care Medicine</i> , 2006, 7, 562-570.	0.5	5
62	High-flow nasal cannula flow rate in young infants with severe viral bronchiolitis: the question is still open. <i>Intensive Care Medicine</i> , 2019, 45, 134-135.	8.2	5
63	Characterization of Suicide and Deliberate Self-Harm Among Children in the United States. <i>Clinical Pediatrics</i> , 2019, 58, 66-72.	0.8	5
64	School Closures in the United States and Severe Respiratory Illnesses in Children: A Normalized Nationwide Sample. <i>Pediatric Critical Care Medicine</i> , 2022, 23, 535-543.	0.5	5
65	The Physiological Basis of High-Frequency Oscillatory Ventilation and Current Evidence in Adults and Children: A Narrative Review. <i>Frontiers in Physiology</i> , 2022, 13, 813478.	2.8	5
66	Effect of low bias flow oscillation with partial liquid ventilation on fluoroscopic image analysis, gas exchange, and lung injury. <i>Pediatric Critical Care Medicine</i> , 2005, 6, 690-697.	0.5	4
67	A systematic review of the evidence supporting post-operative diuretic use following cardiopulmonary bypass in children with Congenital Heart Disease. <i>Cardiology in the Young</i> , 2021, 31, 699-706.	0.8	4
68	Randomized Controlled Trial of Negative Pressure Ventilation: We First Need a National Patient Registry. <i>Pediatric Critical Care Medicine</i> , 2021, 22, e369-e370.	0.5	4
69	The Temporal Relationship Between Local School Closure and Increased Incidence of Pediatric Diabetic Ketoacidosis. <i>Frontiers in Pediatrics</i> , 2022, 10, 812265.	1.9	4
70	Shock of birth evaluation of neurologic status of term newborn in the first 48 hours of life. <i>Arquivos De Neuro-Psiquiatria</i> , 1996, 54, 361-368.	0.8	3
71	Low bias flow oscillation with heliox in oleic acid-induced lung injury. <i>Pediatric Critical Care Medicine</i> , 2005, 6, 70-75.	0.5	3
72	Randomized pilot trial of ipratropium versus placebo in children with critical asthma. <i>Pediatric Pulmonology</i> , 2020, 55, 3287-3292.	2.0	3

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73	Variability in care for children with severe acute asthma in Latin America. <i>Pediatric Pulmonology</i> , 2021, 56, 384-391.	2.0	3
74	High-Frequency Jet Ventilation in Infants With Congenital Heart Disease. <i>Respiratory Care</i> , 2021, 66, 1684-1690.	1.6	3
75	DELAYED MYONECROSIS IN A LEUKEMIC PATIENT WITH INVASIVE GROUP A STREPTOCOCCAL DISEASE. <i>Pediatric Infectious Disease Journal</i> , 1999, 18, 564-567.	2.0	3
76	Family Presence and Visitation Practices in Latin American PICUs: An International Survey. <i>Journal of Pediatric Intensive Care</i> , 2021, 10, 276-281.	0.8	3
77	1062: DEXMEDETOMIDINE IS ASSOCIATED WITH UNFAVORABLE OUTCOMES IN VENTILATED CHILDREN WITH BRONCHIOLITIS. <i>Critical Care Medicine</i> , 2016, 44, 341-341.	0.9	2
78	The Effects of Furosemide on Oxygenation in Mechanically Ventilated Children with Bronchiolitis. <i>Journal of Pediatric Intensive Care</i> , 2020, 09, 087-091.	0.8	2
79	A systematic review of the evidence supporting post-operative medication use in congenital heart disease. <i>Cardiology in the Young</i> , 2021, 31, 707-733.	0.8	2
80	A Novel Maneuver to Treat Refractory Atelectasis in Mechanically Ventilated Children. <i>Journal of Pediatric Intensive Care</i> , 2022, 11, 159-167.	0.8	2
81	Reply to: Contemporary treatment of children with critical and near-fatal asthma. <i>Revista Brasileira De Terapia Intensiva</i> , 2016, 28, 358-359.	0.3	2
82	1186: ASSESSMENT OF THE DEGREE OF ATELECTASIS IN INTUBATED CHILDREN AFTER THE RAINBOW-DRISCOLL MANEUVER. <i>Critical Care Medicine</i> , 2020, 48, 571-571.	0.9	2
83	Mechanical Ventilation and Respiratory Support in the Pediatric Intensive Care Unit. <i>Pediatric Clinics of North America</i> , 2022, 69, 587-605.	1.8	2
84	TIMING OF BACTERIAL INOCULATION FOLLOWING ACID ASPIRATION INFLUENCES PULMONARY BACTERIAL CLEARANCE. <i>Critical Care Medicine</i> , 2002, 30, A51.	0.9	1
85	417. <i>Critical Care Medicine</i> , 2015, 43, 106.	0.9	1
86	Pediatric Acute Respiratory Distress Syndrome. <i>Pediatric Critical Care Medicine</i> , 2015, 16, 483-484.	0.5	1
87	979. <i>Critical Care Medicine</i> , 2019, 47, 468.	0.9	1
88	What Is Weighing Us Down From Elucidating Ideal Ventilation Strategies in Pediatric Acute Respiratory Distress Syndrome?*. <i>Pediatric Critical Care Medicine</i> , 2019, 20, 303-305.	0.5	1
89	A systematic review of the evidence supporting post-operative antithrombotic use following cardiopulmonary bypass in children with CHD. <i>Cardiology in the Young</i> , 2022, 32, 10-20.	0.8	1
90	Long-term Neurocognitive Morbidity After a Single Episode of Respiratory Failure in Children. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 823.	7.4	1

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91	PERFLUOROCHEMICAL (PFC) ATTENUATION OF OXIDATIVE INJURY IS PROPORTIONAL TO LIPID SOLUBILITY. Critical Care Medicine, 2002, 30, A42.	0.9	0
92	PERFLUBRON (PFOB) ATTENUATES OXIDATIVE DAMAGE TO PLATELETS AND RED BLOOD CELL (RBC) MEMBRANES. Critical Care Medicine, 2004, 32, A13.	0.9	0
93	380. Critical Care Medicine, 2013, 41, A90-A91.	0.9	0
94	623. Critical Care Medicine, 2013, 41, A153.	0.9	0
95	769. Critical Care Medicine, 2013, 41, A191.	0.9	0
96	1085. Critical Care Medicine, 2013, 41, A274.	0.9	0
97	1015. Critical Care Medicine, 2014, 42, A1604.	0.9	0
98	1049. Critical Care Medicine, 2014, 42, A1612-A1613.	0.9	0
99	285. Critical Care Medicine, 2014, 42, A1429.	0.9	0
100	440. Critical Care Medicine, 2014, 42, A1466.	0.9	0
101	400. Critical Care Medicine, 2014, 42, A1456.	0.9	0
102	127. Critical Care Medicine, 2014, 42, A1391.	0.9	0
103	757. Critical Care Medicine, 2014, 42, A1542.	0.9	0
104	346. Critical Care Medicine, 2015, 43, 88.	0.9	0
105	448. Critical Care Medicine, 2015, 43, 113-114.	0.9	0
106	499. Critical Care Medicine, 2015, 43, 126.	0.9	0
107	785. Critical Care Medicine, 2015, 43, 197-198.	0.9	0
108	883. Critical Care Medicine, 2015, 43, 222.	0.9	0

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109	468: THE EFFECT OF POVERTY ON CHILDREN PRESENTING WITH DIABETIC KETOACIDOSIS. Critical Care Medicine, 2016, 44, 193-193.	0.9	0
110	938: A PHYSIOLOGIC STUDY OF HELIUM-OXYGEN GAS DELIVERY VIA HIGH-FLOW NASAL CANNULA IN AIRWAY OBSTRUCTION. Critical Care Medicine, 2016, 44, 310-310.	0.9	0
111	1026: OUTCOMES OF HIGH-FLOW NASAL CANNULA AND NONINVASIVE POSITIVE PRESSURE VENTILATION IN BRONCHIOLITIS. Critical Care Medicine, 2016, 44, 332-332.	0.9	0
112	Sedation and subglottic stenosis in critically ill children. Jornal De Pediatria, 2017, 93, 317-319.	2.0	0
113	Respiratory Viral Coinfections in the PICU. Pediatric Critical Care Medicine, 2017, 18, 816-817.	0.5	0
114	1634: IMPROPER USE OF CHILD SAFETY SEATS AND RESTRAINTS IS NOT ASSOCIATED WITH LOW INCOME AND POVERTY. Critical Care Medicine, 2018, 46, 801-801.	0.9	0
115	712: RECENT TRENDS IN THE EPIDEMIOLOGY, TREATMENT, AND OUTCOMES OF PICU BRONCHIOLITIS. Critical Care Medicine, 2018, 46, 342-342.	0.9	0
116	1028: HEATED HUMIDIFIED HIGH-FLOW NASAL CANNULA GAS MIXTURES IN A HUMAN MODEL OF AIRWAY OBSTRUCTION. Critical Care Medicine, 2018, 46, 498-498.	0.9	0
117	Identifying Factors Associated With Critical Asthma. Pediatric Critical Care Medicine, 2018, 19, 1093-1094.	0.5	0
118	1166: LOCATION OF PRE-ADMISSION ENDOTRACHEAL INTUBATION AND CLINICAL OUTCOMES IN BRONCHIOLITIS. Critical Care Medicine, 2018, 46, 567-567.	0.9	0
119	783. Critical Care Medicine, 2019, 47, 370.	0.9	0
120	1226. Critical Care Medicine, 2019, 47, 589.	0.9	0
121	1227. Critical Care Medicine, 2019, 47, 590.	0.9	0
122	Emergency room endotracheal intubation in children with bronchiolitis : A cohort study using a multicenter database. Health Science Reports, 2020, 3, e169.	1.5	0
123	The Impact of an Emergency Department Upgrade to Level I Trauma Status on the Timeliness of Nontrauma Computed Tomography Scans. Journal of Emergency Medicine, 2020, 59, 315-319.	0.7	0
124	Refractory Atelectasis and Response to Chest Physiotherapy. Journal of Pediatric Intensive Care, 0, , .	0.8	0
125	LIQUID PERFLUBRON (PFOB) DOES NOT SOLUBILIZE MALONDIALDEHYDE (MDA) IN VITRO. Critical Care Medicine, 1999, 27, 133A.	0.9	0
126	1007: High-Flow Nasal Cannula in Pediatric Critical Asthma. Critical Care Medicine, 2021, 49, 502-502.	0.9	0

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127	Response from the Authors. <i>Journal of Pediatric Intensive Care</i> , 2021, 10, 240-242.	0.8	0
128	Newborn Circumcision Techniques and Medical Ethics. <i>American Family Physician</i> , 2021, 103, 69-70.	0.1	0
129	Dexmedetomidine: A Means to an End or Just Delaying the Inevitable?. <i>Respiratory Care</i> , 2022, 67, 377-380.	1.6	0
130	1169: EFFECT OF REDUCING PRESSURE SUPPORT DURING ERT IN CHILDREN WITH CONGENITAL HEART DISEASE. <i>Critical Care Medicine</i> , 2022, 50, 583-583.	0.9	0
131	1083: DEVELOPMENT OF A NOVEL INTRAVASCULAR OXYGENATOR CATHETER: PILOT EX VIVO STUDY. <i>Critical Care Medicine</i> , 2022, 50, 540-540.	0.9	0