

Kenneth Tan

List of Publications by Year in descending order

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84
papers

1,715
citations

304743
22
h-index

302126
39
g-index

93
all docs

93
docs citations

93
times ranked

2282
citing authors

#	ARTICLE	IF	CITATIONS
1	Neonatal Outcomes of Very Low Birth Weight and Very Preterm Neonates: An International Comparison. <i>Journal of Pediatrics</i> , 2016, 177, 144-152.e6.	1.8	184
2	Outcomes of Two Trials of Oxygen-Saturation Targets in Preterm Infants. <i>New England Journal of Medicine</i> , 2016, 374, 749-760.	27.0	161
3	Docosahexaenoic Acid and Bronchopulmonary Dysplasia in Preterm Infants. <i>New England Journal of Medicine</i> , 2017, 376, 1245-1255.	27.0	135
4	Development of the nuclei and cell migration in the medulla oblongata. <i>Anatomy and Embryology</i> , 1991, 183, 321-43.	1.5	113
5	<i>Alcaligenes</i> infection in cystic fibrosis. <i>Pediatric Pulmonology</i> , 2002, 34, 101-104.	2.0	76
6	An Outbreak of Necrotizing Enterocolitis Associated With Norovirus Genotype GII.3. <i>Pediatric Infectious Disease Journal</i> , 2010, 29, 644-647.	2.0	66
7	Characterization of the pathoimmunology of necrotizing enterocolitis reveals novel therapeutic opportunities. <i>Nature Communications</i> , 2020, 11, 5794.	12.8	53
8	Sildenafil therapy in bronchopulmonary dysplasia-associated pulmonary hypertension: a retrospective study of efficacy and safety. <i>European Journal of Pediatrics</i> , 2015, 174, 1109-1115.	2.7	49
9	Standardized practices for RNA diagnostics using clinically accessible specimens reclassifies 75% of putative splicing variants. <i>Genetics in Medicine</i> , 2022, 24, 130-145.	2.4	45
10	Using cognitive task analysis to facilitate the integration of decision support systems into the neonatal intensive care unit. <i>Artificial Intelligence in Medicine</i> , 2005, 35, 243-257.	6.5	43
11	Systemic arterial stiffness in infants with bronchopulmonary dysplasia: potential cause of systemic hypertension. <i>Journal of Perinatology</i> , 2016, 36, 564-569.	2.0	42
12	Skin antisepsis for reducing central venous catheter-related infections. <i>The Cochrane Library</i> , 2016, 7, CD010140.	2.8	38
13	Right Ventricular Function in Infants with Bronchopulmonary Dysplasia: Association with Respiratory Sequelae. <i>Neonatology</i> , 2016, 109, 289-296.	2.0	37
14	Comparison of Singleton and Multiple-Birth Outcomes of Infants Born at or Before 32 Weeks of Gestation. <i>Obstetrics and Gynecology</i> , 2008, 111, 365-371.	2.4	35
15	A New Look at Bronchopulmonary Dysplasia: Postcapillary Pathophysiology and Cardiac Dysfunction. <i>Pulmonary Circulation</i> , 2016, 6, 508-515.	1.7	33
16	Outbreak of vanB vancomycin-resistant <i>Enterococcus faecium</i> colonization in a neonatal service. <i>American Journal of Infection Control</i> , 2015, 43, 1061-1065.	2.3	31
17	Digital stethoscopes in paediatric medicine. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 814-822.	1.5	31
18	Clinical decision support systems for neonatal care. <i>The Cochrane Library</i> , 2005, , CD004211.	2.8	29

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19	Antibiotic lock for the prevention of catheter-related infection in neonates. The Cochrane Library, 2015, 2015, CD010336.	2.8	27
20	A survey of central venous catheter practices in Australian and New Zealand tertiary neonatal units. Australian Critical Care, 2014, 27, 36-42.	1.3	26
21	A quality improvement initiative to reduce central line infection in neonates using checklists. European Journal of Pediatrics, 2017, 176, 639-646.	2.7	25
22	Blastocystis hominis : evidence for caspase-3-like activity in cells undergoing programmed cell death. Parasitology Research, 2001, 87, 559-565.	1.6	23
23	Spectral Doppler waveforms in systemic arteries and physiological significance of a patent ductus arteriosus. Journal of Perinatology, 2011, 31, 150-156.	2.0	23
24	Increased energy intake for preterm infants with (or developing) bronchopulmonary dysplasia/chronic lung disease. The Cochrane Library, 2006, , CD005093.	2.8	22
25	Surfactant for bacterial pneumonia in late preterm and term infants. The Cochrane Library, 2012, , CD008155.	2.8	21
26	Antimicrobial dressings for the prevention of catheter-related infections in newborn infants with central venous catheters. The Cochrane Library, 2017, 2017, CD011082.	2.8	21
27	A Randomised Crossover Trial of Clinical Algorithm for Oxygen Saturation Targeting in Preterm Infants with Frequent Desaturation Episodes. Neonatology, 2015, 107, 130-136.	2.0	19
28	Prevention of central venous catheter-related infection in the neonatal unit: a literature review. Journal of Maternal-Fetal and Neonatal Medicine, 2015, 28, 1224-1230.	1.5	19
29	Inpatient outcomes of preterm infants receiving 3 enriched lipid emulsion (SMOFlipid): an observational study. European Journal of Pediatrics, 2018, 177, 723-731.	2.7	18
30	Nasal and exhaled nitric oxide in response to occupational latex exposure. Allergy: European Journal of Allergy and Clinical Immunology, 2001, 56, 627-632.	5.7	15
31	Telemedicine for the support of parents of high-risk newborn infants. The Cochrane Library, 2012, , CD006818.	2.8	15
32	Type 2 immune polarization is associated with cardiopulmonary disease in preterm infants. Science Translational Medicine, 2022, 14, eaaz8454.	12.4	14
33	Knowledge elicitation for validation of a neonatal ventilation expert system utilising modified Delphi and focus group techniques. International Journal of Human Computer Studies, 2010, 68, 344-354.	5.6	13
34	Oral Paracetamol for Patent Ductus Arteriosus Rescue Closure. Pediatric Cardiology, 2018, 39, 183-190.	1.3	13
35	Assessment of breath sounds at birth using digital stethoscope technology. European Journal of Pediatrics, 2020, 179, 781-789.	2.7	13
36	Vasopressin as an adjunct therapy for pulmonary hypertension: a case report. European Journal of Pediatrics, 2014, 173, 1651-1654.	2.7	11

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37	Phototherapy in transport for neonates with unconjugated hyperbilirubinaemia. Journal of Paediatrics and Child Health, 2016, 52, 67-71.	0.8	11
38	Nitric therapy in preterm infants: rationalised approach based on functional neonatal echocardiography. Acta Paediatrica, International Journal of Paediatrics, 2016, 105, 165-171.	1.5	11
39	Real-Time Multi-Level Neonatal Heart and Lung Sound Quality Assessment for Telehealth Applications. IEEE Access, 2022, 10, 10934-10948.	4.2	10
40	Indomethacin vs ibuprofen: comparison of efficacy in the setting of conservative therapeutic approach. European Journal of Pediatrics, 2015, 174, 615-620.	2.7	9
41	Dexmedetomidine for analgesia and sedation in newborn infants receiving mechanical ventilation. The Cochrane Library, 0, , .	2.8	9
42	Point-of-care testing of neonatal coagulation. International Journal of Laboratory Hematology, 2006, 28, 117-121.	0.2	8
43	Rapid exome sequencing and adjunct RNA studies confirm the pathogenicity of a novel homozygous <i>ASNS</i> splicing variant in a critically ill neonate. Human Mutation, 2020, 41, 1884-1891.	2.5	8
44	Stopping enteral feeds for prevention of transfusion-associated necrotising enterocolitis in preterm infants. The Cochrane Library, 2019, 2019, .	2.8	8
45	Cardiac Function and Its Evolution with Pulmonary Vasodilator Therapy: A Myocardial Deformation Study. Echocardiography, 2014, 31, E185-8.	0.9	7
46	Toward rational management of patent ductus arteriosus: ductal disease staging and first line paracetamol. Journal of Maternal-Fetal and Neonatal Medicine, 2021, 34, 3940-3945.	1.5	6
47	Protocol for assessing if behavioural functioning of infants born <29 weeksâ€™ gestation is improved by omega-3 long-chain polyunsaturated fatty acids: follow-up of a randomised controlled trial. BMJ Open, 2021, 11, e044740.	1.9	6
48	Co-bedding in neonatal nursery for promoting growth and neurodevelopment in stable preterm twins. , 2012, 12, CD008313.		5
49	Co-bedding in neonatal nursery for promoting growth and neurodevelopment in stable preterm twins. The Cochrane Library, 2017, 2017, CD008313.	2.8	5
50	An Application of Convolutional Neural Networks for the Early Detection of Late-onset Neonatal Sepsis. , 2019, , .		5
51	Epidemiology and healthcare factors associated with neonatal enterococcal infections. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F480-F485.	2.8	5
52	Using intermittent pulse oximetry to guide neonatal oxygen therapy in a low-resource context. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 316-321.	2.8	5
53	Respiratory management and bronchopulmonary dysplasia in extremely preterm infants: a comparison of practice between centres in Oxford and Melbourne. Journal of Perinatology, 2022, 42, 53-57.	2.0	5
54	Early-onset sepsis in very preterm neonates in Australia and New Zealand, 2007â€“2018. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2023, 108, 31-37.	2.8	5

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55	Dry Lung Syndrome: A Distinct Clinical Entity. Indian Journal of Pediatrics, 2010, 77, 1029-1031.	0.8	4
56	Prediction of clinicians' treatment in preterm infants with suspected late-onset sepsis – An ML approach. , 2018, , .		4
57	A nonclonal outbreak of vancomycin-sensitive <i>Enterococcus faecalis</i> bacteremia in a neonatal intensive care unit. Infection Control and Hospital Epidemiology, 2019, 40, 1116-1122.	1.8	4
58	Clearance of infant vancomycin-resistant <i>Enterococcus faecium</i> carriage after a neonatal inpatient outbreak. American Journal of Infection Control, 2016, 44, 1172-1173.	2.3	3
59	Interstitial deletion of chromosome 1 (1p21.1p12) in an infant with congenital diaphragmatic hernia, hydrops fetalis, and interrupted aortic arch. Clinical Case Reports (discontinued), 2017, 5, 164-169.	0.5	3
60	Cardiac Function Assessments in Left Bochdalek's Hernia: Clinical Relevance. Pediatric Cardiology, 2018, 39, 829-836.	1.3	3
61	C-reactive protein and immature-to-total neutrophil ratio have no utility in guiding lumbar puncture in suspected neonatal sepsis. Journal of Paediatrics and Child Health, 2018, 54, 848-854.	0.8	3
62	Predicting the length of stay for neonates using heart-rate Markov models. , 2008, 2008, 2912-5.		2
63	Heart rate monitoring in Neonatal Intensive Care using Markov models. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	2
64	Transjugular retrieval of a knotted peripherally inserted central venous catheter (Epicutaneo-Cava) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.2	2
65	A Blind Filtering Framework for Noisy Neonatal Chest Sounds. IEEE Access, 2022, 10, 50715-50727.	4.2	2
66	A mathematical model of CO ₂ variation in the ventilated neonate. Physiological Measurement, 2003, 24, 703-715.	2.1	1
67	Neonatal heart rate prediction. , 2009, 2009, 4695-8.		1
68	Comparison of Singleton and Multiple-birth Outcomes of Infants Born at or Before 32 Weeks of Gestation. Obstetric Anesthesia Digest, 2009, 29, 18.	0.1	1
69	A new look at bronchopulmonary dysplasia: Role of systemic vascular & cardiac function in therapeutic options. Heart Lung and Circulation, 2015, 24, S422.	0.4	1
70	Automated oxygen delivery for preterm infants with respiratory dysfunction. The Cochrane Library, 0, , .	2.8	1
71	Estimating Respiratory Parameters Using Intra-Arterial Partial Pressure Measurements. , 2006, , .		0
72	Estimating respiratory parameters using intra-arterial partial pressure measurements and stochastic differential equations. , 2009, , .		0

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73	1187 Outcome of Preterm Infants with Necrotising Enterocolitis or Spontaneous Intestinal Perforation Requiring Laparotomy From a Level Iii Nicu. Pediatric Research, 2010, 68, 587-587.	2.3	0
74	1776 Response Thresholds to Pulse Oximetry Alarms in the NICU - An Observational Study. Archives of Disease in Childhood, 2012, 97, A502-A502.	1.9	0
75	284 Opiate Administration to Preterm Infants - A Risk Factor for Necrotising Enterocolitis?. Archives of Disease in Childhood, 2012, 97, A83-A83.	1.9	0
76	PO-0767â€œ...Overnight Pulse Oximetry Studies For Preterm Infants With Chronic Neonatal Lung Disease â€œ“ An Audit From A Level Iii Nicu: Abstract PO-0767 Table 1. Archives of Disease in Childhood, 2014, 99, A506.2-A506.	1.9	0
77	PO-0766â€œ...Exploring A Physiological Definition For Bronchopulmonary Dysplasia. Archives of Disease in Childhood, 2014, 99, A506.1-A506.	1.9	0
78	Lutein and zeaxanthin for reducing morbidity and mortality in preterm infants. The Cochrane Library, 2016,, .	2.8	0
79	Heated and humidified inspired gas through heated humidifiers in comparison to non-heated and non-humidified gas in hospitalised neonates receiving respiratory support. The Cochrane Library, 2017, , .	2.8	0
80	Stopping feeds for prevention of transfusion-associated necrotising enterocolitis in preterm infants. The Cochrane Library, 0, , .	2.8	0
81	Regional or national collaborative quality improvement initiatives in neonatology. Translational Pediatrics, 2019, 8, 167-169.	1.2	0
82	Rapid exome sequencing and adjunct rna studies confirm pathogenicity of a novel homozygous asns splicing variant in a critically ill neonate. Pathology, 2020, 52, S106.	0.6	0
83	Predicting the Length of Stay using Bayesian Model Selection for Neonatal Heart Rate Monitoring. , 2011,, .		0
84	Right ventricular function in infants with bronchopulmonary dysplasia: Association with respiratory sequelae. , 2016,, .		0