Arvind Sehgal

List of Publications by Year
in descending order

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85	2,443	257101	223531
papers	citations	24 h-index	46 g-index

86	86	86	1915
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sequelae associated with systemic hypertension in infants with severe bronchopulmonary dysplasia. Journal of Perinatology, 2022, , .	0.9	4
2	M-mode imaging of the diaphragm in phrenic nerve palsy due to birth trauma. Journal of Pediatrics, 2022, , .	0.9	0
3	Type 2 immune polarization is associated with cardiopulmonary disease in preterm infants. Science Translational Medicine, 2022, 14, eaaz8454.	5.8	14
4	Mitral valve Doppler for cardiac output assessment in preterm neonates. Echocardiography, 2022, 39, 717-723.	0.3	0
5	Hemodynamic consequences of respiratory interventions in preterm infants. Journal of Perinatology, 2022, 42, 1153-1160.	0.9	5
6	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.	0.7	6
7	Assessing pulmonary circulation in severe bronchopulmonary dysplasia using functional echocardiography. Physiological Reports, 2021, 9, e14690.	0.7	5
8	Fifteen-minute consultation: How to spot serious heart disease in the newborn. Archives of Disease in Childhood: Education and Practice Edition, 2021, , edpract-2020-320330.	0.3	1
9	Early detection of significant congenital heart disease: The contribution of fetal cardiac ultrasound and newborn pulse oximetry screening. Journal of Paediatrics and Child Health, 2021, 57, 323-327.	0.4	5
10	Impact of Acute and Chronic Hypoxia-Ischemia on the Transitional Circulation. Pediatrics, 2021, 147, .	1.0	9
11	Reply. Journal of Pediatrics, 2021, 230, 275-276.	0.9	0
12	Nucleated Red Blood Cells as Markers of Perinatal Adaptation in Preterm Neonates Receiving Minimally Invasive Surfactant Therapy. American Journal of Perinatology, 2021, , .	0.6	0
13	The often forgotten systemic effects of ductus arteriosus: impact on decision-making and future trials. Journal of Perinatology, 2021, 41, 2363-2366.	0.9	3
14	Hemodynamic optimization for neonates with neonatal encephalopathy caused by a hypoxic ischemic event: Physiological and therapeutic considerations. Seminars in Fetal and Neonatal Medicine, 2021, 26, 101277.	1.1	15
15	Impact of Skin-to-Skin Parent-Infant Care on Preterm Circulatory Physiology. Journal of Pediatrics, 2020, 222, 91-97.e2.	0.9	16
16	Cardiovascular response and sequelae after minimally invasive surfactant therapy in growth-restricted preterm infants. Journal of Perinatology, 2020, 40, 1178-1184.	0.9	12
17	The Left Heart, Systemic Circulation, and Bronchopulmonary Dysplasia: Relevance to Pathophysiology and Therapeutics. Journal of Pediatrics, 2020, 225, 13-22.e2.	0.9	20
18	The Cerebral Hemodynamic Response to Pain in Preterm Infants With Fetal Growth Restriction. Frontiers in Pediatrics, 2020, 8, 268.	0.9	2

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19	Diuretic use in infants with developing or established chronic lung disease: A practice looking for evidence. Journal of Paediatrics and Child Health, 2020, 56, 1189-1193.	0.4	13
20	Fetal Growth Restriction and Hypertension in the Offspring: Mechanistic Links and Therapeutic Directions. Journal of Pediatrics, 2020, 224, 115-123.e2.	0.9	20
21	Preterm growth restriction and bronchopulmonary dysplasia: the vascular hypothesis and related physiology. Journal of Physiology, 2019, 597, 1209-1220.	1.3	46
22	Cardiorespiratory Physiology following Minimally Invasive Surfactant Therapy in Preterm Infants. Neonatology, 2019, 116, 278-285.	0.9	11
23	Fetal growth restriction is associated with an altered cardiopulmonary and cerebral hemodynamic response to surfactant therapy in preterm lambs. Pediatric Research, 2019, 86, 47-54.	1.1	6
24	Effects of Maternal Sildenafil Treatment on Vascular Function in Growth-Restricted Fetal Sheep. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 731-740.	1.1	16
25	Letter to the editor. Journal of Paediatrics and Child Health, 2019, 55, 1512-1513.	0.4	0
26	Placental histopathology in preterm fetal growth restriction. Journal of Paediatrics and Child Health, 2019, 55, 582-587.	0.4	19
27	Vascular changes in fetal growth restriction: clinical relevance and future therapeutics. Journal of Perinatology, 2019, 39, 366-374.	0.9	12
28	Cardiac Function Assessments in Left Bochdalekâ€™s Hernia: Clinical Relevance. Pediatric Cardiology, 2018, 39, 829-836.	0.6	3
29	Threeâ€dimensional ultrasound cranial imaging and early neurodevelopment in preterm growthâ€restricted infants. Journal of Paediatrics and Child Health, 2018, 54, 420-425.	0.4	9
30	International perspective on management of a patent ductus arteriosus: Lessons learned. Seminars in Fetal and Neonatal Medicine, 2018, 23, 278-284.	1.1	15
31	Oral Paracetamol for Patent Ductus Arteriosus Rescue Closure. Pediatric Cardiology, 2018, 39, 183-190.	0.6	13
32	ACE inhibition for severe bronchopulmonary dysplasia - an approach based on physiology. Physiological Reports, 2018, 6, e13821.	0.7	17
33	Application of Neonatologist Performed Echocardiography in the assessment and management of persistent pulmonary hypertension of the newborn. Pediatric Research, 2018, 84, 68-77.	1.1	85
34	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.	0.2	3
35	Bronchopulmonary dysplasia associated pulmonary hypertension: Making the best use of bedside echocardiography. Progress in Pediatric Cardiology, 2017, 46, 39-43.	0.2	15
36	Delayed versus Immediate Cord Clamping in Preterm Infants. New England Journal of Medicine, 2017, 377, 2445-2455.	13.9	228

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37	Pulmonary hypertension associated with bronchopulmonary dysplasia in preterm infants. Journal of Reproductive Immunology, 2017, 124, 21-29.	0.8	56
38	Vasopressin in perioperative management of congenital diaphragmatic hernia. Annals of Pediatric Surgery, 2017, 13, 47-49.	0.1	1
39	Cardiac Morphology and Function in Preterm Growth Restricted Infants: Relevance for Clinical Sequelae. Journal of Pediatrics, 2017, 188, 128-134.e2.	0.9	34
40	Doctor please feel my pulses! An aid to diagnosis in the newborn. Journal of Paediatrics and Child Health, 2016, 52, 983-990.	0.4	5
41	A New Look at Bronchopulmonary Dysplasia: Postcapillary Pathophysiology and Cardiac Dysfunction. Pulmonary Circulation, 2016, 6, 508-515.	0.8	33
42	Ventilation-induced lung injury is not exacerbated by growth restriction in preterm lambs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L213-L223.	1.3	19
43	Right Ventricular Function in Infants with Bronchopulmonary Dysplasia: Association with Respiratory Sequelae. Neonatology, 2016, 109, 289-296.	0.9	37
44	Altered cardiovascular function at birth in growth-restricted preterm lambs. Pediatric Research, 2016, 80, 538-546.	1.1	29
45	Nitric therapy in preterm infants: rationalised approach based on functional neonatal echocardiography. Acta Paediatrica, International Journal of Paediatrics, 2016, 105, 165-171.	0.7	11
46	Hemodynamic Effects of Nasal Continuous Positive Airway Pressure inÂPreterm Infants with Evolving Chronic Lung Disease, AÂCrossoverÂRandomized Trial. Journal of Pediatrics, 2015, 166, 477-479.	0.9	5
47	Sildenafil therapy in bronchopulmonary dysplasia-associated pulmonary hypertension: a retrospective study of efficacy and safety. European Journal of Pediatrics, 2015, 174, 1109-1115.	1.3	49
48	A Patent Ductus Arteriosus Severity Score Predicts Chronic Lung Disease or Death before Discharge. Journal of Pediatrics, 2015, 167, 1354-1361.e2.	0.9	151
49	Indomethacin vs ibuprofen: comparison of efficacy in the setting of conservative therapeutic approach. European Journal of Pediatrics, 2015, 174, 615-620.	1.3	9
50	Cardiac Sonography by the Neonatologist. Journal of Ultrasound in Medicine, 2014, 33, 1401-1406.	0.8	26
51	Vasopressin as an adjunct therapy for pulmonary hypertension: a case report. European Journal of Pediatrics, 2014, 173, 1651-1654.	1.3	11
52	Cardiac function and arterial indices in infants born small for gestational age: analysis by speckle tracking. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, e49-54.	0.7	25
53	Cardiac Function and Its Evolution with Pulmonary Vasodilator Therapy: A Myocardial Deformation Study. Echocardiography, 2014, 31, E185-8.	0.3	7
54	Targeted Neonatal Echocardiography Services. Journal of Ultrasound in Medicine, 2014, 33, 1833-1841.	0.8	30

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55	Cyclooxygenase Inhibitors in Preterm Infants With Patent Ductus Arteriosus: Effects on Cardiac and Vascular Indices. Pediatric Cardiology, 2014, 35, 1429-1436.	0.6	9
56	Use of inhaled nitric oxide in preterm infants: A regional survey of practices. Heart and Lung: Journal of Acute and Critical Care, 2014, 43, 347-350.	0.8	9
57	Echocardiographic assessment of left ventricular outflow tract diameter in preterm infants. Australasian Journal of Ultrasound in Medicine, 2014, 17, 146-149.	0.3	6
58	Speckle tracking derived strain in infants with severe perinatal asphyxia: a comparative case control study. Cardiovascular Ultrasound, 2013, 11, 34.	0.5	28
59	Functional echocardiography in staging for ductal disease severity. European Journal of Pediatrics, 2013, 172, 179-184.	1.3	71
60	Cardiac Function and Arterial Biophysical Properties in Small for Gestational Age Infants: Postnatal Manifestations of Fetal Programming. Journal of Pediatrics, 2013, 163, 1296-1300.	0.9	89
61	Pulmonary Hypertension in an Infant Treated with Ibuprofen. Indian Journal of Pediatrics, 2013, 80, 697-699.	0.3	9
62	Interparametric Correlation Between Echocardiographic Markers in Preterm Infants With Patent Ductus Arteriosus. Pediatric Cardiology, 2013, 34, 1212-1217.	0.6	20
63	Evaluation of the coronary arteries in the foetus and newborn and their physiologic significance. Journal of Maternal-Fetal and Neonatal Medicine, 2013, 26, 1042-1047.	0.7	0
64	Indomethacin Impairs Coronary Perfusion in Infants with Hemodynamically Significant Ductus Arteriosus. Neonatology, 2012, 101, 20-27.	0.9	24
65	Reduced cardiac output and its correlation with coronary blood flow and troponin in asphyxiated infants treated with therapeutic hypothermia. European Journal of Pediatrics, 2012, 171, 1511-1517.	1.3	36
66	Measurement of the Lateral Ventricles in the Neonatal Head: Comparison of 2-D and 3-D Techniques. Ultrasound in Medicine and Biology, 2012, 38, 2051-2057.	0.7	18
67	Cerebral oxygenation during subclinical seizures in neonatal hypoxic-ischaemic encephalopathy. European Journal of Paediatric Neurology, 2012, 16, 304-307.	0.7	16
68	The Ductus Arteriosus: A Refined Approach!. Seminars in Perinatology, 2012, 36, 105-113.	1.1	48
69	Global myocardial function is compromised in infants with pulmonary hypertension. Acta Paediatrica, International Journal of Paediatrics, 2012, 101, 410-413.	0.7	30
70	Coronary artery perfusion and myocardial performance after patent ductus arteriosus ligation. Journal of Thoracic and Cardiovascular Surgery, 2012, 143, 1271-1278.	0.4	29
71	Use of Targeted Neonatal Echocardiography to Prevent Postoperative Cardiorespiratory Instability after Patent Ductus Arteriosus Ligation. Journal of Pediatrics, 2012, 160, 584-589.e1.	0.9	127
72	Cardiovascular support in preterm infants: A survey of practices in Australia and New Zealand. Journal of Paediatrics and Child Health, 2012, 48, 317-323.	0.4	31

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73	Use of milrinone in the management of haemodynamic instability following duct ligation. European Journal of Pediatrics, 2011, 170, 115-119.	1.3	22
74	Doppler manifestations of ductal steal: role in decision making. European Journal of Pediatrics, 2011, 170, 795-798.	1.3	9
75	Haemodynamically unstable preterm infant: an unresolved management conundrum. European Journal of Pediatrics, 2011, 170, 1237-45.	1.3	23
76	Suprasternal optical window to Doppler the superior vena cava in neonates. Journal of Echocardiography, 2011, 9, 121-122.	0.4	2
77	Surfactant and patent ductus arteriosus. Indian Journal of Pediatrics, 2010, 77, 51-55.	0.3	12
78	Patent ductus arteriosus ligation and post-operative hemodynamic instability: Case report and framework for enhanced neonatal care. Indian Journal of Pediatrics, 2010, 77, 905-907.	0.3	17
79	Dry Lung Syndrome: A Distinct Clinical Entity. Indian Journal of Pediatrics, 2010, 77, 1029-1031.	0.3	4
80	Patent ductus arteriosus ligation is associated with impaired left ventricular systolic performance in premature infants weighing less than 1000 g. Journal of Thoracic and Cardiovascular Surgery, 2010, 140, 150-157.	0.4	129
81	Haemodynamic changes after delivery room surfactant administration to very low birth weight infants. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2010, 95, F345-F351.	1.4	28
82	Deviation of naso-gastric tube on frontal chest radiograph: A marker of left atria enlargement in babies with ductus arteriosus. Journal of Neonatal-Perinatal Medicine, 2009, 2, 89-93.	0.4	0
83	Early neonatal sepsis with the extended spectrum Î²-lactomase producing: Morganella morgagni. Journal of Neonatal-Perinatal Medicine, 2009, 2, 201-202.	0.4	0
84	Does echocardiography facilitate determination of hemodynamic significance attributable to the ductus arteriosus?. European Journal of Pediatrics, 2009, 168, 907-914.	1.3	112
85	Towards rational management of the patent ductus arteriosus: the need for disease staging. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2007, 92, F424-F427.	1.4	299