

Arvind Sehgal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

1,673
citations

20
h-index

39
g-index

86
ext. papers

2,113
ext. citations

3.7
avg, IF

4.97
L-index

#	Paper	IF	Citations
80	M-mode imaging of the diaphragm in phrenic nerve palsy due to birth trauma.. <i>Journal of Pediatrics</i> , 2022 ,	3.6	
79	Type 2 immune polarization is associated with cardiopulmonary disease in preterm infants.. <i>Science Translational Medicine</i> , 2022 , 14, eaaz8454	17.5	1
78	Toward rational management of patent ductus arteriosus: ductal disease staging and first line paracetamol. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2021 , 34, 3940-3945	2	1
77	Assessing pulmonary circulation in severe bronchopulmonary dysplasia using functional echocardiography. <i>Physiological Reports</i> , 2021 , 9, e14690	2.6	0
76	Fifteen-minute consultation: How to spot serious heart disease in the newborn. <i>Archives of Disease in Childhood: Education and Practice Edition</i> , 2021 ,	0.5	1
75	Early detection of significant congenital heart disease: The contribution of fetal cardiac ultrasound and newborn pulse oximetry screening. <i>Journal of Paediatrics and Child Health</i> , 2021 , 57, 323-327	1.3	2
74	Reply. <i>Journal of Pediatrics</i> , 2021 , 230, 275-276	3.6	
73	The often forgotten systemic effects of ductus arteriosus: impact on decision-making and future trials. <i>Journal of Perinatology</i> , 2021 , 41, 2363-2366	3.1	0
72	Hemodynamic optimization for neonates with neonatal encephalopathy caused by a hypoxic ischemic event: Physiological and therapeutic considerations. <i>Seminars in Fetal and Neonatal Medicine</i> , 2021 , 26, 101277	3.7	2
71	Impact of Skin-to-Skin Parent-Infant Care on Preterm Circulatory Physiology. <i>Journal of Pediatrics</i> , 2020 , 222, 91-97.e2	3.6	7
70	Cardiovascular response and sequelae after minimally invasive surfactant therapy in growth-restricted preterm infants. <i>Journal of Perinatology</i> , 2020 , 40, 1178-1184	3.1	2
69	The Left Heart, Systemic Circulation, and Bronchopulmonary Dysplasia: Relevance to Pathophysiology and Therapeutics. <i>Journal of Pediatrics</i> , 2020 , 225, 13-22.e2	3.6	5
68	The Cerebral Hemodynamic Response to Pain in Preterm Infants With Fetal Growth Restriction. <i>Frontiers in Pediatrics</i> , 2020 , 8, 268	3.4	1
67	Diuretic use in infants with developing or established chronic lung disease: A practice looking for evidence. <i>Journal of Paediatrics and Child Health</i> , 2020 , 56, 1189-1193	1.3	6
66	Fetal Growth Restriction and Hypertension in the Offspring: Mechanistic Links and Therapeutic Directions. <i>Journal of Pediatrics</i> , 2020 , 224, 115-123.e2	3.6	9
65	Cardiorespiratory Physiology following Minimally Invasive Surfactant Therapy in Preterm Infants. <i>Neonatology</i> , 2019 , 116, 278-285	4	6
64	Fetal growth restriction is associated with an altered cardiopulmonary and cerebral hemodynamic response to surfactant therapy in preterm lambs. <i>Pediatric Research</i> , 2019 , 86, 47-54	3.2	2

63	Effects of Maternal Sildenafil Treatment on Vascular Function in Growth-Restricted Fetal Sheep. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 731-740	9.4	8
62	Preterm growth restriction and bronchopulmonary dysplasia: the vascular hypothesis and related physiology. <i>Journal of Physiology</i> , 2019 , 597, 1209-1220	3.9	23
61	Letter to the editor. <i>Journal of Paediatrics and Child Health</i> , 2019 , 55, 1512-1513	1.3	
60	Placental histopathology in preterm fetal growth restriction. <i>Journal of Paediatrics and Child Health</i> , 2019 , 55, 582-587	1.3	10
59	Vascular changes in fetal growth restriction: clinical relevance and future therapeutics. <i>Journal of Perinatology</i> , 2019 , 39, 366-374	3.1	4
58	Cardiac Function Assessments in Left Bochdalek Hernia: Clinical Relevance. <i>Pediatric Cardiology</i> , 2018 , 39, 829-836	2.1	2
57	Three-dimensional ultrasound cranial imaging and early neurodevelopment in preterm growth-restricted infants. <i>Journal of Paediatrics and Child Health</i> , 2018 , 54, 420-425	1.3	5
56	International perspective on management of a patent ductus arteriosus: Lessons learned. <i>Seminars in Fetal and Neonatal Medicine</i> , 2018 , 23, 278-284	3.7	10
55	Oral Paracetamol for Patent Ductus Arteriosus Rescue Closure. <i>Pediatric Cardiology</i> , 2018 , 39, 183-190	2.1	11
54	Application of Neonatologist Performed Echocardiography in the assessment and management of persistent pulmonary hypertension of the newborn. <i>Pediatric Research</i> , 2018 , 84, 68-77	3.2	40
53	ACE inhibition for severe bronchopulmonary dysplasia - an approach based on physiology. <i>Physiological Reports</i> , 2018 , 6, e13821	2.6	5
52	Interstitial deletion of chromosome 1 (1p21.1p12) in an infant with congenital diaphragmatic hernia, hydrops fetalis, and interrupted aortic arch. <i>Clinical Case Reports (discontinued)</i> , 2017 , 5, 164-169	0.7	2
51	Bronchopulmonary dysplasia associated pulmonary hypertension: Making the best use of bedside echocardiography. <i>Progress in Pediatric Cardiology</i> , 2017 , 46, 39-43	0.4	10
50	Delayed versus Immediate Cord Clamping in Preterm Infants. <i>New England Journal of Medicine</i> , 2017 , 377, 2445-2455	59.2	156
49	Pulmonary hypertension associated with bronchopulmonary dysplasia in preterm infants. <i>Journal of Reproductive Immunology</i> , 2017 , 124, 21-29	4.2	30
48	Vasopressin in perioperative management of congenital diaphragmatic hernia. <i>Annals of Pediatric Surgery</i> , 2017 , 13, 47-49	0.8	
47	Cardiac Morphology and Function in Preterm Growth Restricted Infants: Relevance for Clinical Sequelae. <i>Journal of Pediatrics</i> , 2017 , 188, 128-134.e2	3.6	20
46	Altered cardiovascular function at birth in growth-restricted preterm lambs. <i>Pediatric Research</i> , 2016 , 80, 538-46	3.2	20

45	Nitric therapy in preterm infants: rationalised approach based on functional neonatal echocardiography. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016 , 105, 165-71	3.1	7
44	Doctor please feel my pulses! An aid to diagnosis in the newborn. <i>Journal of Paediatrics and Child Health</i> , 2016 , 52, 983-990	1.3	2
43	A new look at bronchopulmonary dysplasia: postcapillary pathophysiology and cardiac dysfunction. <i>Pulmonary Circulation</i> , 2016 , 6, 508-515	2.7	20
42	Ventilation-induced lung injury is not exacerbated by growth restriction in preterm lambs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L213-23	5.8	14
41	Right Ventricular Function in Infants with Bronchopulmonary Dysplasia: Association with Respiratory Sequelae. <i>Neonatology</i> , 2016 , 109, 289-96	4	24
40	Sildenafil therapy in bronchopulmonary dysplasia-associated pulmonary hypertension: a retrospective study of efficacy and safety. <i>European Journal of Pediatrics</i> , 2015 , 174, 1109-15	4.1	36
39	A Patent Ductus Arteriosus Severity Score Predicts Chronic Lung Disease or Death before Discharge. <i>Journal of Pediatrics</i> , 2015 , 167, 1354-1361.e2	3.6	100
38	Indomethacin vs ibuprofen: comparison of efficacy in the setting of conservative therapeutic approach. <i>European Journal of Pediatrics</i> , 2015 , 174, 615-20	4.1	8
37	Hemodynamic effects of nasal continuous positive airway pressure in preterm infants with evolving chronic lung disease, a crossover randomized trial. <i>Journal of Pediatrics</i> , 2015 , 166, 477-9	3.6	5
36	Cardiac function and arterial indices in infants born small for gestational age: analysis by speckle tracking. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2014 , 103, e49-54	3.1	20
35	Cardiac function and its evolution with pulmonary vasodilator therapy: a myocardial deformation study. <i>Echocardiography</i> , 2014 , 31, E185-8	1.5	4
34	Targeted neonatal echocardiography services: need for standardized training and quality assurance. <i>Journal of Ultrasound in Medicine</i> , 2014 , 33, 1833-41	2.9	16
33	Cyclooxygenase inhibitors in preterm infants with patent ductus arteriosus: effects on cardiac and vascular indices. <i>Pediatric Cardiology</i> , 2014 , 35, 1429-36	2.1	9
32	Use of inhaled nitric oxide in preterm infants: a regional survey of practices. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2014 , 43, 347-50	2.6	8
31	Echocardiographic assessment of left ventricular outflow tract diameter in preterm infants. <i>Australasian Journal of Ultrasound in Medicine</i> , 2014 , 17, 146-149	0.6	3
30	Cardiac sonography by the neonatologist: clinical usefulness and educational perspective. <i>Journal of Ultrasound in Medicine</i> , 2014 , 33, 1401-6	2.9	18
29	Vasopressin as an adjunct therapy for pulmonary hypertension: a case report. <i>European Journal of Pediatrics</i> , 2014 , 173, 1651-4	4.1	10
28	Speckle tracking derived strain in infants with severe perinatal asphyxia: a comparative case control study. <i>Cardiovascular Ultrasound</i> , 2013 , 11, 34	2.4	21

27	Functional echocardiography in staging for ductal disease severity : role in predicting outcomes. <i>European Journal of Pediatrics</i> , 2013 , 172, 179-84	4.1	52
26	Cardiac function and arterial biophysical properties in small for gestational age infants: postnatal manifestations of fetal programming. <i>Journal of Pediatrics</i> , 2013 , 163, 1296-300	3.6	68
25	Pulmonary hypertension in an infant treated with ibuprofen. <i>Indian Journal of Pediatrics</i> , 2013 , 80, 697-93		9
24	Interparametric correlation between echocardiographic markers in preterm infants with patent ductus arteriosus. <i>Pediatric Cardiology</i> , 2013 , 34, 1212-7	2.1	18
23	Evaluation of the coronary arteries in the foetus and newborn and their physiologic significance. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2013 , 26, 1042-7	2	
22	Cerebral oxygenation during subclinical seizures in neonatal hypoxic-ischaemic encephalopathy. <i>European Journal of Paediatric Neurology</i> , 2012 , 16, 304-7	3.8	8
21	The ductus arteriosus: a refined approach!. <i>Seminars in Perinatology</i> , 2012 , 36, 105-13	3.3	38
20	Global myocardial function is compromised in infants with pulmonary hypertension. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2012 , 101, 410-3	3.1	23
19	Coronary artery perfusion and myocardial performance after patent ductus arteriosus ligation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 143, 1271-8	1.5	25
18	Use of targeted neonatal echocardiography to prevent postoperative cardiorespiratory instability after patent ductus arteriosus ligation. <i>Journal of Pediatrics</i> , 2012 , 160, 584-589.e1	3.6	99
17	Cardiovascular support in preterm infants: a survey of practices in Australia and New Zealand. <i>Journal of Paediatrics and Child Health</i> , 2012 , 48, 317-23	1.3	24
16	Reduced cardiac output and its correlation with coronary blood flow and troponin in asphyxiated infants treated with therapeutic hypothermia. <i>European Journal of Pediatrics</i> , 2012 , 171, 1511-7	4.1	24
15	Measurement of the lateral ventricles in the neonatal head: comparison of 2-D and 3-D techniques. <i>Ultrasound in Medicine and Biology</i> , 2012 , 38, 2051-7	3.5	14
14	Indomethacin impairs coronary perfusion in infants with hemodynamically significant ductus arteriosus. <i>Neonatology</i> , 2012 , 101, 20-7	4	21
13	Use of milrinone in the management of haemodynamic instability following duct ligation. <i>European Journal of Pediatrics</i> , 2011 , 170, 115-9	4.1	18
12	Doppler manifestations of ductal steal: role in decision making. <i>European Journal of Pediatrics</i> , 2011 , 170, 795-8	4.1	9
11	Haemodynamically unstable preterm infant: an unresolved management conundrum. <i>European Journal of Pediatrics</i> , 2011 , 170, 1237-45	4.1	19
10	Suprasternal optical window to Doppler the superior vena cava in neonates. <i>Journal of Echocardiography</i> , 2011 , 9, 121-2	1.6	2

9	Haemodynamic changes after delivery room surfactant administration to very low birth weight infants. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2010 , 95, F345-51	4.7	19
8	Surfactant and patent ductus arteriosus. <i>Indian Journal of Pediatrics</i> , 2010 , 77, 51-5	3	8
7	Patent ductus arteriosus ligation and post-operative hemodynamic instability: case report and framework for enhanced neonatal care. <i>Indian Journal of Pediatrics</i> , 2010 , 77, 905-7	3	15
6	Dry lung syndrome: a distinct clinical entity. <i>Indian Journal of Pediatrics</i> , 2010 , 77, 1029-31	3	2
5	Patent ductus arteriosus ligation is associated with impaired left ventricular systolic performance in premature infants weighing less than 1000 g. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010 , 140, 150-7	1.5	108
4	Early neonatal sepsis with the extended spectrum β -lactamase producing: <i>Morganella morganii</i> . <i>Journal of Neonatal-Perinatal Medicine</i> , 2009 , 2, 201-202	1.3	
3	Does echocardiography facilitate determination of hemodynamic significance attributable to the ductus arteriosus?. <i>European Journal of Pediatrics</i> , 2009 , 168, 907-14	4.1	90
2	Deviation of naso-gastric tube on frontal chest radiograph: A marker of left atria enlargement in babies with ductus arteriosus. <i>Journal of Neonatal-Perinatal Medicine</i> , 2009 , 2, 89-93	1.3	
1	Towards rational management of the patent ductus arteriosus: the need for disease staging. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2007 , 92, F424-7	4.7	234