

Sudarshan R Jadcherla

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

2,805
citations

159585

30
h-index

223800

46
g-index

115
all docs

115
docs citations

115
times ranked

1509
citing authors

#	ARTICLE	IF	CITATIONS
1	Mortality, In-Hospital Morbidity, Care Practices, and 2-Year Outcomes for Extremely Preterm Infants in the US, 2013-2018. JAMA - Journal of the American Medical Association, 2022, 327, 248.	7.4	222
2	Esophageal and upper esophageal sphincter motor function in babies. American Journal of Medicine, 2001, 111, 64-68.	1.5	133
3	Dysphagia in the high-risk infant: potential factors and mechanisms. American Journal of Clinical Nutrition, 2016, 103, 622S-628S.	4.7	99
4	Feeding Methods at Discharge Predict Long-Term Feeding and Neurodevelopmental Outcomes in Preterm Infants Referred for Gastrostomy Evaluation. Journal of Pediatrics, 2017, 181, 125-130.e1.	1.8	77
5	Studies of Feeding Intolerance in Very Low Birth Weight Infants: Definition and Significance. Pediatrics, 2002, 109, 516-517.	2.1	74
6	Neonatal Histamine-2 Receptor Antagonist and Proton Pump Inhibitor Treatment at United States Children's Hospitals. Journal of Pediatrics, 2016, 174, 63-70.e3.	1.8	71
7	Esophago-Glottal Closure Reflex in Human Infants: A Novel Reflex Elicited With Concurrent Manometry and Ultrasonography. American Journal of Gastroenterology, 2007, 102, 2286-2293.	0.4	68
8	Spatiotemporal Characteristics of Acid Refluxate and Relationship to Symptoms in Premature and Term Infants with Chronic Lung Disease. American Journal of Gastroenterology, 2008, 103, 720-728.	0.4	68
9	Effect of Postnatal Maturation on the Mechanisms of Esophageal Propulsion in Preterm Human Neonates: Primary and Secondary Peristalsis. American Journal of Gastroenterology, 2009, 104, 411-419.	0.4	67
10	Definition and Implications of Novel Pharyngo-Glottal Reflex in Human Infants Using Concurrent Manometry Ultrasonography. American Journal of Gastroenterology, 2009, 104, 2572-2582.	0.4	59
11	Impact of Feeding Strategies on the Frequency and Clearance of Acid and Nonacid Gastroesophageal Reflux Events in Dysphagic Neonates. Journal of Parenteral and Enteral Nutrition, 2012, 36, 449-455.	2.6	58
12	Lower esophageal sphincter relaxation reflex kinetics: effects of peristaltic reflexes and maturation in human premature neonates. American Journal of Physiology - Renal Physiology, 2010, 299, G1386-G1395.	3.4	57
13	Practice Variance, Prevalence, and Economic Burden of Premature Infants Diagnosed With GERD. Hospital Pediatrics, 2013, 3, 335-341.	1.3	56
14	Dysphagia Care Across the Continuum: A Multidisciplinary Dysphagia Research Society Taskforce Report of Service-Delivery During the COVID-19 Global Pandemic. Dysphagia, 2021, 36, 170-182.	1.8	56
15	Respiratory Events in Infants Presenting with Apparent Life Threatening Events: Is There an Explanation from Esophageal Motility?. Journal of Pediatrics, 2014, 165, 250-255.e1.	1.8	54
16	Impact of Personalized Feeding Program in 100 NICU Infants. Journal of Pediatric Gastroenterology and Nutrition, 2012, 54, 62-70.	1.8	52
17	Safety and Efficacy of Oral Feeding in Infants with BPD on Nasal CPAP. Dysphagia, 2015, 30, 121-127.	1.8	51
18	Significance of Gastroesophageal Refluxate in Relation to Physical, Chemical, and Spatiotemporal Characteristics in Symptomatic Intensive Care Unit Neonates. Pediatric Research, 2011, 70, 192-198.	2.3	50

#	ARTICLE	IF	CITATIONS
19	Impaired Upper Esophageal Sphincter Reflexes in Patients With Supraesophageal Reflux Disease. <i>Gastroenterology</i> , 2015, 149, 1381-1391.	1.3	48
20	Evaluation and Management of Neonatal Dysphagia: Impact of Pharyngoesophageal Motility Studies and Multidisciplinary Feeding Strategy. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2009, 48, 186-192.	1.8	47
21	Utilization of Inhaled Corticosteroids for Infants with Bronchopulmonary Dysplasia. <i>PLoS ONE</i> , 2014, 9, e106838.	2.5	43
22	Manometric evaluation of esophageal-protective reflexes in infants and children. <i>American Journal of Medicine</i> , 2003, 115, 157-160.	1.5	42
23	Upper and lower esophageal sphincter kinetics are modified during maturation: effect of pharyngeal stimulus in premature infants. <i>Pediatric Research</i> , 2015, 77, 99-106.	2.3	41
24	Physiology and Pathophysiology of Glottic Reflexes and Pulmonary Aspiration: From Neonates to Adults. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2010, 31, 554-560.	2.1	40
25	Systematic Review of Inhaled Bronchodilator and Corticosteroid Therapies in Infants with Bronchopulmonary Dysplasia: Implications and Future Directions. <i>PLoS ONE</i> , 2016, 11, e0148188.	2.5	39
26	Quality Improvement Study of Effectiveness of Cue-Based Feeding in Infants With Bronchopulmonary Dysplasia in the Neonatal Intensive Care Unit. <i>JOGNN - Journal of Obstetric, Gynecologic, and Neonatal Nursing</i> , 2013, 42, 629-640.	0.5	38
27	Correlation of Glottal Closure Using Concurrent Ultrasonography and Nasolaryngoscopy in Children: A Novel Approach to Evaluate Glottal Status. <i>Dysphagia</i> , 2006, 21, 75-81.	1.8	37
28	Impact of Process Optimization and Quality Improvement Measures on Neonatal Feeding Outcomes at an All-Referral Neonatal Intensive Care Unit. <i>Journal of Parenteral and Enteral Nutrition</i> , 2016, 40, 646-655.	2.6	37
29	Advances with Neonatal Aerodigestive Science in the Pursuit of Safe Swallowing in Infants: Invited Review. <i>Dysphagia</i> , 2017, 32, 15-26.	1.8	36
30	Esophageal sensation in premature human neonates: temporal relationships and implications of aerodigestive reflexes and electrocortical arousals. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, G134-G144.	3.4	35
31	Effect of nasal noninvasive respiratory support methods on pharyngeal provocation-induced aerodigestive reflexes in infants. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, G1006-G1014.	3.4	32
32	Upstream effect of esophageal distention: Effect on airway. <i>Current Gastroenterology Reports</i> , 2006, 8, 190-194.	2.5	30
33	Gastrostomy Tube Feeding in Extremely Low Birthweight Infants: Frequency, Associated Comorbidities, and Long-term Outcomes. <i>Journal of Pediatrics</i> , 2019, 214, 41-46.e5.	1.8	29
34	Feeding and Swallowing Difficulties in Neonates. <i>Clinics in Perinatology</i> , 2020, 47, 223-241.	2.1	29
35	Pathophysiology of Aerodigestive Pulmonary Disorders in the Neonate. <i>Clinics in Perinatology</i> , 2012, 39, 639-654.	2.1	28
36	Mechanisms of Aerodigestive Symptoms in Infants with Varying Acid Reflux Index Determined by Esophageal Manometry. <i>Journal of Pediatrics</i> , 2019, 206, 240-247.	1.8	28

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37	Feed-thickening practices in NICUs in the current era: Variability in prescription and implementation patterns. <i>Journal of Neonatal Nursing</i> , 2015, 21, 255-262.	0.7	27
38	Mechanisms of cough provocation and cough resolution in neonates with bronchopulmonary dysplasia. <i>Pediatric Research</i> , 2015, 78, 462-469.	2.3	26
39	Hand-grasping and finger tapping induced similar functional near-infrared spectroscopy cortical responses. <i>Neurophotonics</i> , 2016, 3, 025006.	3.3	25
40	Effects of Esophageal Acidification on Troublesome Symptoms: An Approach to Characterize True Acid GERD in Dysphagic Neonates. <i>Dysphagia</i> , 2017, 32, 509-519.	1.8	24
41	Pharyngoesophageal and cardiorespiratory interactions: potential implications for premature infants at risk of clinically significant cardiorespiratory events. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, G304-G312.	3.4	23
42	Maturation of upstream and downstream esophageal reflexes in human premature neonates: the role of sleep and awake states. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G649-G658.	3.4	22
43	Maturation Modulates Pharyngeal-Stimulus Provoked Pharyngeal and Respiratory Rhythms in Human Infants. <i>Dysphagia</i> , 2018, 33, 63-75.	1.8	22
44	Pharyngeal contractile and regulatory characteristics are distinct during nutritive oral stimulus in preterm-born infants: Implications for clinical and research applications. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13650.	3.0	22
45	Esophageal Mechanosensitive Mechanisms Are Impaired in Neonates with Hypoxic-Ischemic Encephalopathy. <i>Journal of Pediatrics</i> , 2013, 162, 976-982.	1.8	21
46	Parotid Swelling in a Premature Neonate. <i>American Journal of Perinatology</i> , 2002, 19, 435-438.	1.4	20
47	Pharmacological management of gastroesophageal reflux disease in infants: current opinions. <i>Current Opinion in Pharmacology</i> , 2017, 37, 112-117.	3.5	20
48	Gastroesophageal Reflux Disease in the Neonatal Intensive Care Unit Infant. <i>Pediatric Clinics of North America</i> , 2019, 66, 461-473.	1.8	20
49	Differentiation of esophageal pH-impedance characteristics classified by the mucosal integrity marker in human neonates. <i>Pediatric Research</i> , 2019, 85, 355-360.	2.3	20
50	Neuromotor mechanisms of pharyngoesophageal motility in dysphagic infants with congenital heart disease. <i>Pediatric Research</i> , 2014, 76, 190-196.	2.3	18
51	The Role of Sleep in the Modulation of Gastroesophageal Reflux and Symptoms in NICU Neonates. <i>Pediatric Neurology</i> , 2015, 53, 226-232.	2.1	18
52	Defining pharyngeal contractile integral during high-resolution manometry in neonates: a neuromotor marker of pharyngeal vigor. <i>Pediatric Research</i> , 2018, 84, 341-347.	2.3	18
53	The Effect of Additives for Reflux or Dysphagia Management on Osmolality in Ready-to-Feed Preterm Formula: Practice Implications. <i>Journal of Parenteral and Enteral Nutrition</i> , 2019, 43, 290-297.	2.6	18
54	Sildenafil Treatment of Infants With Bronchopulmonary Dysplasia-Associated Pulmonary Hypertension. <i>Hospital Pediatrics</i> , 2016, 6, 27-33.	1.3	16

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55	Pharyngeal stimulus-induced reflexes are impaired in infants with perinatal asphyxia: Does maturation modify?. <i>Neurogastroenterology and Motility</i> , 2017, 29, e13039.	3.0	16
56	Antroduodenal Motility and Feeding Outcome among Neonatal Extracorporeal Membrane Oxygenation Survivors. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2005, 41, 347-350.	1.8	15
57	Effects of birth asphyxia on the modulation of pharyngeal provocation-induced adaptive reflexes. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, G662-G669.	3.4	15
58	Gestational and postnatal modulation of esophageal sphincter reflexes in human premature neonates. <i>Pediatric Research</i> , 2015, 78, 540-546.	2.3	15
59	Effects of pacifier and taste on swallowing, esophageal motility, transit, and respiratory rhythm in human neonates. <i>Neurogastroenterology and Motility</i> , 2016, 28, 532-542.	3.0	15
60	Characterization and mechanisms of the pharyngeal swallow activated by stimulation of the esophagus. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G827-G837.	3.4	14
61	“Pressure” to feed the preterm newborn: associated with “positive” outcomes?. <i>Pediatric Research</i> , 2017, 82, 899-900.	2.3	14
62	Gastroesophageal reflux in cystic fibrosis across the age spectrum. <i>Translational Gastroenterology and Hepatology</i> , 2019, 4, 69-69.	3.0	13
63	Effect of Severity of Esophageal Acidification on Sleep vs Wake Periods in Infants Presenting with Brief Resolved Unexplained Events. <i>Journal of Pediatrics</i> , 2016, 179, 42-48.e1.	1.8	12
64	Impact of SIMPLE Feeding Quality Improvement Strategies on Aerodigestive Milestones and Feeding Outcomes in BPD Infants. <i>Hospital Pediatrics</i> , 2019, 9, 859-866.	1.3	12
65	Role of feeding strategy bundle with acid-suppressive therapy in infants with esophageal acid reflux exposure: a randomized controlled trial. <i>Pediatric Research</i> , 2021, 89, 645-652.	2.3	12
66	Challenges to Eating, Swallowing, and Aerodigestive Functions in Infants: A Burning Platform That Needs Attention!. <i>Journal of Pediatrics</i> , 2019, 211, 7-9.	1.8	11
67	Persistent feeding difficulties among infants with fetal opioid exposure: mechanisms and clinical reasoning. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2019, 32, 3633-3639.	1.5	11
68	Impact of Feeding Strategies With Acid Suppression on Esophageal Reflexes in Human Neonates With Gastroesophageal Reflux Disease: A Single-Blinded Randomized Clinical Trial. <i>Clinical and Translational Gastroenterology</i> , 2020, 11, e00249.	2.5	11
69	Esophageal reflexes modulate frontoparietal response in neonates: Novel application of concurrent NIRS and provocative esophageal manometry. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G41-G49.	3.4	10
70	The physiologic coupling of sucking and swallowing coordination provides a unique process for neonatal survival. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 790-797.	1.5	10
71	Mechanisms of bradycardia in premature infants: Aerodigestive “cardiac regulatory” rhythm interactions. <i>Physiological Reports</i> , 2020, 8, e14495.	1.7	10
72	Antecedent Predictors of Feeding Outcomes in Premature Infants With Protracted Mechanical Ventilation. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2015, 61, 591-595.	1.8	9

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73	Sustaining careers of physician-scientists in neonatology and pediatric critical care medicine: formulating supportive departmental policies. <i>Pediatric Research</i> , 2016, 80, 635-640.	2.3	9
74	Somatic stimulation causes frontoparietal cortical changes in neonates: a functional near-infrared spectroscopy study. <i>Neurophotonics</i> , 2016, 4, 011004.	3.3	9
75	Pilot Study of Pharyngoesophageal Dysmotility Mechanisms in Dysphagic Infants of Diabetic Mothers. <i>American Journal of Perinatology</i> , 2019, 36, 1237-1242.	1.4	9
76	Novel Use of Impedance Technology Shows That Esophageal Air Events Can Be Temporally Associated With Gastroesophageal Reflux Disease-like Symptoms. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020, 70, e7-e11.	1.8	9
77	Differentiating esophageal sensitivity phenotypes using pH-impedance in intensive care unit infants referred for gastroesophageal reflux symptoms. <i>Pediatric Research</i> , 2021, 89, 636-644.	2.3	9
78	Transitioning from gavage to full oral feeds in premature infants: When should we discontinue the nasogastric tube?. <i>Journal of Perinatology</i> , 2019, 39, 1257-1262.	2.0	8
79	Gastroesophageal Reflux Disease in the Neonatal Intensive Care Unit Neonate. <i>Clinics in Perinatology</i> , 2020, 47, 243-263.	2.1	8
80	Mechanical Small Bowel Obstruction in Premature Infants Diagnosed by Intestinal Manometry. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2005, 41, 247-250.	1.8	7
81	The Dysphagia Research Society Accelerating a Priority Research Agenda. <i>Dysphagia</i> , 2017, 32, 11-14.	1.8	7
82	Approach to Feeding Difficulties in Neonates and Infants. <i>Clinics in Perinatology</i> , 2020, 47, 265-276.	2.1	7
83	Physiology of Aerodigestive Reflexes in Neonates and Adults. , 2012, , 893-918.		6
84	Physiology of esophageal sensorimotor malfunctions in neonatal neurological illness. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, G574-G582.	3.4	6
85	Mechanisms and management considerations of parent-chosen feeding approaches to infants with swallowing difficulties: an observational study. <i>Scientific Reports</i> , 2021, 11, 19934.	3.3	6
86	The effect of body position on esophageal reflexes in cats: a possible mechanism of SIDS?. <i>Pediatric Research</i> , 2018, 83, 731-738.	2.3	5
87	Gastroesophageal Reflux Disease in Neonates: Facts and Figures. <i>NeoReviews</i> , 2021, 22, e104-e117.	0.8	5
88	Pharyngoesophageal motility reflex mechanisms in the human neonate: importance of integrative cross-systems physiology. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, G139-G148.	3.4	5
89	Unique Patterns of Body Composition and Anthropometric Measurements During Maturation in Neonatal Intensive Care Unit Neonates: Opportunities for Modifying Nutritional Therapy and Influencing Clinical Outcomes. <i>Journal of Parenteral and Enteral Nutrition</i> , 2018, 42, 231-238.	2.6	5
90	Brain Lesions among Orally Fed and Gastrostomy-Fed Dysphagic Preterm Infants: Can Routine Qualitative or Volumetric Quantitative Magnetic Resonance Imaging Predict Feeding Outcomes?. <i>Frontiers in Pediatrics</i> , 2017, 5, 73.	1.9	4

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91	Prophylactic Indomethacin in extremely preterm infants: association with death or BPD and observed early serum creatinine levels. <i>Journal of Perinatology</i> , 2021, 41, 749-755.	2.0	4
92	Development of Gut Motility. , 2017, , 21-37.		4
93	Esophageal disease in pediatrics. <i>Annals of the New York Academy of Sciences</i> , 2011, 1232, 401-404.	3.8	3
94	Characterization of Esophageal and Sphincter Reflexes across Maturation in Dysphagic Infants with Oral Feeding Success vs Infants requiring Gastrostomy. <i>Dysphagia</i> , 2022, 37, 148-157.	1.8	3
95	Clinical Perspectives on Esophageal Disorders in Infants. <i>Perspectives on Swallowing and Swallowing Disorders (Dysphagia)</i> , 2012, 21, 52-59.	0.1	3
96	Diagnostic utility of impedance-pH monitoring in infants of diabetic mothers with oral feeding difficulties. <i>Journal of Perinatology</i> , 2021, 41, 1886-1892.	2.0	3
97	Coordination of degutition and phases of respiration in preterm and term babies. <i>Gastroenterology</i> , 2001, 120, A632-A633.	1.3	2
98	Comparative effect of the sites of anterior cervical pressure on the geometry of the upper esophageal sphincter highâ€pressure zone. <i>Laryngoscope</i> , 2017, 127, 2466-2474.	2.0	2
99	Not All Children with Cystic Fibrosis Have Abnormal Esophageal Neutralization during Chemical Clearance of Acid Reflux. <i>Pediatric Gastroenterology, Hepatology and Nutrition</i> , 2017, 20, 153.	1.2	2
100	Body adiposity and oral feeding outcomes in infants: a pilot study. <i>Journal of Perinatology</i> , 2021, 41, 1059-1064.	2.0	2
101	The Emerging Importance of High-Resolution Manometry in the Evaluation and Treatment of Deglutition in Infants, Children, and Adults: New Opportunities for Speech-Language Pathologists. <i>American Journal of Speech-Language Pathology</i> , 2020, 29, 945-955.	1.8	2
102	Duration of noninvasive respiratory support and risk for bronchopulmonary dysplasia or death. <i>Journal of Perinatology</i> , 2022, 42, 454-460.	2.0	2
103	Developing a Quality Improvement Feeding Program for NICU Patients. <i>NeoReviews</i> , 2022, 23, e23-e35.	0.8	2
104	Evidence-Based Approaches to Successful Oral Feeding in Infants with Feeding Difficulties. <i>Clinics in Perinatology</i> , 2022, 49, 503-520.	2.1	2
105	Impact of esophageal mucosal permeability markers on <scp>provocationâ€induced</scp> esophageal reflexes in <scp>highâ€risk</scp> infants. <i>Physiological Reports</i> , 2022, 10, .	1.7	2
106	Pathophysiology of Gastroesophageal Reflux. , 2017, , 1643-1652.e2.		1
107	Understanding the neonatal oesophageal mysteries of gastroâ€oesophageal reflux disease using baseline impedance. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2018, 107, 1486-1487.	1.5	1
108	Development of Gastrointestinal Motility Reflexes. , 2019, , 15-27.		1

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109	Secretion Management in Tracheostomized Infants using Unconventional Approaches and Outcomes: A Case Series. <i>American Journal of Perinatology</i> , 2020, 37, 1335-1339.	1.4	1
110	The enigma of gastroesophageal reflux disease among convalescing infants in the NICU: It is time to rethink. <i>International Journal of Pediatrics and Adolescent Medicine</i> , 2020, 7, 28-32.	1.2	1
111	Neonatal Gastroenterology: Challenges, Controversies, and Recent Advances. <i>Clinics in Perinatology</i> , 2020, 47, xvii-xviii.	2.1	1
112	What Are the Factors Affecting Total Sleep Time During Video Polysomnography in Infants?. <i>American Journal of Perinatology</i> , 2022, 39, 853-860.	1.4	1
113	Airâ€swallow/GERDâ€like Symptom Associations Assessed Using a Novel Application of Esophageal Impedance Technology. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020, 71, e78.	1.8	0
114	Anemia of Prematurity and Oral Feeding Milestones in Premature Infants. <i>American Journal of Perinatology</i> , 2021, 38, 553-559.	1.4	0
115	Predictive ability of postnatal growth failure for adverse feeding-related outcomes in preterm infants: an exploratory study comparing Fenton with INTERGROWTH-21st preterm growth charts. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2021, , 1-8.	1.5	0