

Ronald I Clyman

List of Publications by Year in descending order

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70961

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88477

70
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107
all docs

107
docs citations

107
times ranked

2420
citing authors

#	ARTICLE	IF	CITATIONS
1	Bronchopulmonary Dysplasia: Executive Summary of a Workshop. <i>Journal of Pediatrics</i> , 2018, 197, 300-308.	0.9	516
2	Patent Ductus Arteriosus: Are Current Neonatal Treatment Options Better or Worse Than No Treatment at All?. <i>Seminars in Perinatology</i> , 2012, 36, 123-129.	1.1	227
3	Patent Ductus Arteriosus and Its Treatment as Risk Factors for Neonatal and Neurodevelopmental Morbidity. <i>Pediatrics</i> , 2007, 119, 1165-1174.	1.0	224
4	Mechanisms Regulating the Ductus Arteriosus. <i>Neonatology</i> , 2006, 89, 330-335.	0.9	215
5	PDA-TOLERATE Trial: An Exploratory Randomized Controlled Trial of Treatment of Moderate-to-Large Patent Ductus Arteriosus at 1 Week of Age. <i>Journal of Pediatrics</i> , 2019, 205, 41-48.e6.	0.9	147
6	Early Surgical Ligation Versus a Conservative Approach for Management of Patent Ductus Arteriosus That Fails to Close after Indomethacin Treatment. <i>Journal of Pediatrics</i> , 2010, 157, 381-387.e1.	0.9	142
7	Patent Ductus Arteriosus: Evidence for and against Treatment. <i>Journal of Pediatrics</i> , 2007, 150, 216-219.	0.9	141
8	The Role of Patent Ductus Arteriosus Ligation in Bronchopulmonary Dysplasia: Reexamining a Randomized Controlled Trial. <i>Journal of Pediatrics</i> , 2009, 154, 873-876.	0.9	134
9	Permanent Anatomic Closure of the Ductus Arteriosus in Newborn Baboons: The Roles of Postnatal Constriction, Hypoxia, and Gestation. <i>Pediatric Research</i> , 1999, 45, 19-29.	1.1	128
10	Ibuprofen-Induced Patent Ductus Arteriosus Closure: Physiologic, Histologic, and Biochemical Effects on the Premature Lung. <i>Pediatrics</i> , 2008, 121, 945-956.	1.0	122
11	Prophylactic indomethacin: Factors determining permanent ductus arteriosus closure. <i>Journal of Pediatrics</i> , 2000, 136, 330-337.	0.9	110
12	Regulation of Ductus Arteriosus Patency by Nitric Oxide in Fetal Lambs: The Role of Gestation, Oxygen Tension, and Vasa Vasorum. <i>Pediatric Research</i> , 1998, 43, 633-644.	1.1	108
13	Increased shunt through the patent ductus arteriosus after surfactant replacement therapy. <i>Journal of Pediatrics</i> , 1982, 100, 101-107.	0.9	103
14	Managing the patent ductus arteriosus: current treatment options. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014, 99, F431-F436.	1.4	103
15	Circulating prostaglandin E2 concentrations and patent ductus arteriosus in fetal and neonatal lambs. <i>Journal of Pediatrics</i> , 1980, 97, 455-461.	0.9	101
16	Cardiovascular effects of patent ductus arteriosus in preterm lambs with respiratory distress. <i>Journal of Pediatrics</i> , 1987, 111, 579-587.	0.9	95
17	A Randomized, Double-Blind, Placebo-Controlled Trial on Intravenous Ibuprofen L-Lysine for the Early Closure of Nonsymptomatic Patent Ductus Arteriosus within 72 Hours of Birth in Extremely Low-Birth-Weight Infants. <i>American Journal of Perinatology</i> , 2009, 26, 235-245.	0.6	92
18	The role of patent ductus arteriosus and its treatments in the development of bronchopulmonary dysplasia. <i>Seminars in Perinatology</i> , 2013, 37, 102-107.	1.1	91

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19	Combined Prostaglandin and Nitric Oxide Inhibition Produces Anatomic Remodeling and Closure of the Ductus Arteriosus in the Premature Newborn Baboon. <i>Pediatric Research</i> , 2001, 50, 365-373.	1.1	84
20	PGE2 is a more potent vasodilator of the lamb ductus arteriosus than is either PGI2 or 6 keto PGF _{1α} . <i>Prostaglandins</i> , 1978, 16, 259-264.	1.2	83
21	Prophylactic Indomethacin Compared with Delayed Conservative Management of the Patent Ductus Arteriosus in Extremely Preterm Infants: Effects on Neonatal Outcomes. <i>Journal of Pediatrics</i> , 2017, 187, 119-126.e1.	0.9	83
22	Prolonged Indomethacin Exposure Is Associated With Decreased White Matter Injury Detected With Magnetic Resonance Imaging in Premature Newborns at 24 to 28 Weeks' Gestation at Birth. <i>Pediatrics</i> , 2006, 117, 1626-1631.	1.0	74
23	Characterization of PGE2 receptors in fetal and newborn lamb ductus arteriosus. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H2342-H2349.	1.5	73
24	Risk Factors for Persistent Ductus Arteriosus Patency during Indomethacin Treatment. <i>Journal of Pediatrics</i> , 2007, 151, 629-634.	0.9	71
25	Ductus Arteriosus Ligation and Alveolar Growth in Preterm Baboons With a Patent Ductus Arteriosus. <i>Pediatric Research</i> , 2008, 63, 299-302.	1.1	70
26	Neurodevelopmental Outcomes Following Two Different Treatment Approaches (Early Ligation and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	70
27	Enteral Feeding during Indomethacin and Ibuprofen Treatment of a Patent Ductus Arteriosus. <i>Journal of Pediatrics</i> , 2013, 163, 406-411.e4.	0.9	66
28	Indomethacin Prophylaxis for Preterm Infants: The Impact of 2 Multicentered Randomized Controlled Trials on Clinical Practice. <i>Journal of Pediatrics</i> , 2007, 150, 46-50.e2.	0.9	60
29	Vasa Vasorum Hypoperfusion Is Responsible for Medial Hypoxia and Anatomic Remodeling in the Newborn Lamb Ductus Arteriosus. <i>Pediatric Research</i> , 2002, 51, 228-235.	1.1	58
30	Increased Indomethacin Dosing for Persistent Patent Ductus Arteriosus in Preterm Infants: A Multicenter, Randomized, Controlled Trial. <i>Journal of Pediatrics</i> , 2008, 153, 183-189.	0.9	57
31	Relationship between Duration of Infant Exposure to a Moderate-to-Large Patent Ductus Arteriosus Shunt and the Risk of Developing Bronchopulmonary Dysplasia or Death Before 36 Weeks. <i>American Journal of Perinatology</i> , 2020, 37, 216-223.	0.6	57
32	Prostaglandin E 2 â€”Mediated Relaxation of the Ductus Arteriosus. <i>Circulation</i> , 2004, 110, 2326-2332.	1.6	56
33	Effects of a Patent Ductus Arteriosus on Postprandial Mesenteric Perfusion in Premature Baboons. <i>Pediatrics</i> , 2008, 122, e1262-e1267.	1.0	56
34	Patent ductus arteriosus, its treatments, and the risks of pulmonary morbidity. <i>Seminars in Perinatology</i> , 2018, 42, 235-242.	1.1	56
35	Factors that increase the contractile tone of the ductus arteriosus also regulate its anatomic remodeling. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R291-R301.	0.9	52
36	Effect of Ductus Ligation on Cardiopulmonary Function in Premature Baboons. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 1569-1574.	2.5	52

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37	Transcriptional Regulation During Development of the Ductus Arteriosus. <i>Circulation Research</i> , 2008, 103, 388-395.	2.0	52
38	Patent Ductus Arteriosus Increases Lung Fluid Filtration in Preterm Lambs. <i>Pediatric Research</i> , 1991, 30, 616-621.	1.1	49
39	Hypotension following Patent Ductus Arteriosus Ligation: The Role of Adrenal Hormones. <i>Journal of Pediatrics</i> , 2014, 164, 1449-1455.e1.	0.9	46
40	Developmental Changes in Prostaglandin E ₂ Receptor Subtypes in Porcine Ductus Arteriosus. <i>Circulation</i> , 1999, 100, 1751-1756.	1.6	44
41	Comparative effectiveness of drugs used to constrict the patent ductus arteriosus: a secondary analysis of the PDA-TOLERATE trial (NCT01958320). <i>Journal of Perinatology</i> , 2019, 39, 599-607.	0.9	44
42	Effect of gestational age on ductus arteriosus response to circulating prostaglandin E ₂ . <i>Journal of Pediatrics</i> , 1983, 102, 907-911.	0.9	39
43	The Role of Monocyte-Derived Cells and Inflammation in Baboon Ductus Arteriosus Remodeling. <i>Pediatric Research</i> , 2005, 57, 254-262.	1.1	39
44	Relationship between Circulating Platelet Counts and Ductus Arteriosus Patency after Indomethacin Treatment. <i>Journal of Pediatrics</i> , 2011, 158, 919-923.e2.	0.9	37
45	Effect of Patent Ductus Arteriosus on Water Accumulation and Protein Permeability in the Lungs of Mechanically Ventilated Premature Lambs. <i>Pediatric Research</i> , 1989, 26, 570-571.	1.1	36
46	Combined Treatment With a Nonselective Nitric Oxide Synthase Inhibitor (L-NMMA) and Indomethacin Increases Ductus Constriction in Extremely Premature Newborns. <i>Pediatric Research</i> , 2005, 58, 1216-1221.	1.1	36
47	Expression, Activity, and Function of Phosphodiesterases in the Mature and Immature Ductus Arteriosus. <i>Pediatric Research</i> , 2008, 64, 477-481.	1.1	36
48	Oxygen-Induced Tension in the Sheep Ductus Arteriosus: Effects of Gestation on Potassium and Calcium Channel Regulation. <i>Pediatric Research</i> , 2009, 65, 285-290.	1.1	35
49	Phospholipase C β Activation, Phosphatidylinositol Hydrolysis, and Calcium Mobilization are Not Required for FGF Receptor-Mediated Chemotaxis. <i>Cell Adhesion and Communication</i> , 1994, 1, 333-342.	1.7	34
50	Patent Ductus Arteriosus Ligation Alters Pulmonary Gene Expression in Preterm Baboons. <i>Pediatric Research</i> , 2011, 69, 212-216.	1.1	34
51	Patent Ductus Arteriosus: A New Light on an Old Problem. <i>Pediatric Research</i> , 1978, 12, 92-94.	1.1	33
52	Lack of Equipoise in the PDA-TOLERATE Trial: A Comparison of Eligible Infants Enrolled in the Trial and Those Treated Outside the Trial. <i>Journal of Pediatrics</i> , 2019, 213, 222-226.e2.	0.9	33
53	Patterns of Gene Expression in the Ductus Arteriosus Are Related to Environmental and Genetic Risk Factors for Persistent Ductus Patency. <i>Pediatric Research</i> , 2010, 68, 292-297.	1.1	32
54	Chronic In Utero Cyclooxygenase Inhibition Alters PGE ₂ -Regulated Ductus Arteriosus Contractile Pathways and Prevents Postnatal Closure. <i>Pediatric Research</i> , 2009, 66, 155-161.	1.1	31

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55	Prolonged Tracheal Intubation and the Association Between Patent Ductus Arteriosus and Bronchopulmonary Dysplasia: A Secondary Analysis of the PDA-TOLERATE trial. <i>Journal of Pediatrics</i> , 2021, 229, 283-288.e2.	0.9	31
56	Transforming Growth Factor β 1 Inhibits Fetal Lamb Ductus Arteriosus Smooth Muscle Cell Migration. <i>Pediatric Research</i> , 1995, 37, 561-570.	1.1	29
57	Calcium-dependent and calcium-sensitizing pathways in the mature and immature ductus arteriosus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R1650-R1656.	0.9	29
58	Effect of Early Targeted Treatment of Ductus Arteriosus with Ibuprofen on Survival Without Cerebral Palsy at 2 Years in Infants with Extreme Prematurity: A Randomized Clinical Trial. <i>Journal of Pediatrics</i> , 2021, 233, 33-42.e2.	0.9	28
59	Influence of Increased Pulmonary Vascular Pressures on the Closure of the Ductus Arteriosus in Newborn Lambs. <i>Pediatric Research</i> , 1989, 25, 136-142.	1.1	27
60	The Effects of Caffeine on the Preterm Sheep Ductus Arteriosus. <i>Pediatric Research</i> , 2007, 62, 167-169.	1.1	27
61	Postnatal Estradiol Up-regulates Lung Nitric Oxide Synthases and Improves Lung Function in Bronchopulmonary Dysplasia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 492-500.	2.5	26
62	Anatomic Closure of the Premature Patent Ductus Arteriosus: The Role of CD14+/CD163+ Mononuclear Cells and VEGF in Neointimal Mound Formation. <i>Pediatric Research</i> , 2011, 70, 332-338.	1.1	26
63	Postnatal constriction, ATP depletion, and cell death in the mature and immature ductus arteriosus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 290, R359-R364.	0.9	25
64	Feeding Practices and Patent Ductus Arteriosus Ligation Preferences—Are They Related?. <i>American Journal of Perinatology</i> , 2010, 27, 667-674.	0.6	24
65	Tissue hypoxia inhibits prostaglandin and nitric oxide production and prevents ductus arteriosus reopening. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000, 279, R278-R286.	0.9	23
66	Antenatal Betamethasone: A Prolonged Time Interval from Administration to Delivery Is Associated with an Increased Incidence of Severe Intraventricular Hemorrhage in Infants Born before 28 Weeks Gestation. <i>Journal of Pediatrics</i> , 2016, 177, 114-120.e1.	0.9	23
67	Vessel remodeling in the newborn: platelets fill the gap. <i>Nature Medicine</i> , 2010, 16, 33-35.	15.2	22
68	Effects of Advancing Gestation and Non-Caucasian Race on Ductus Arteriosus Gene Expression. <i>Journal of Pediatrics</i> , 2015, 167, 1033-1041.e2.	0.9	22
69	Endothelin-receptor blockade does not alter closure of the ductus arteriosus. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 275, H1620-H1626.	1.5	21
70	Piriprost: A Putative Leukotriene Synthesis Inhibitor Increases Pulmonary Blood Flow in Fetal Lambs. <i>Pediatric Research</i> , 1987, 22, 350-354.	1.1	20
71	Developmental and Neuropathological Consequences of Ductal Ligation in the Preterm Baboon. <i>Pediatric Research</i> , 2009, 65, 209-214.	1.1	20
72	The effect of prolonged tracheal intubation on the association between patent ductus arteriosus and bronchopulmonary dysplasia (grades 2 and 3). <i>Journal of Perinatology</i> , 2020, 40, 1358-1365.	0.9	20

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73	Treatment and Nontreatment of the Patent Ductus Arteriosus: Identifying Their Roles in Neonatal Morbidity. <i>Journal of Pediatrics</i> , 2017, 189, 13-17.	0.9	19
74	Microarray gene expression analysis in ovine ductus arteriosus during fetal development and birth transition. <i>Pediatric Research</i> , 2016, 80, 610-618.	1.1	18
75	Effects of Prophylactic Indomethacin on Vasopressor-Dependent Hypotension in Extremely Preterm Infants. <i>Journal of Pediatrics</i> , 2017, 182, 21-27.e2.	0.9	18
76	Effects of antenatal betamethasone on preterm human and mouse ductus arteriosus: comparison with baboon data. <i>Pediatric Research</i> , 2018, 84, 458-465.	1.1	17
77	Intrauterine Growth Restriction and Patent Ductus Arteriosus in Very and Extremely Preterm Infants: A Systematic Review and Meta-Analysis. <i>Frontiers in Endocrinology</i> , 2019, 10, 58.	1.5	16
78	Patent ductus arteriosus, tracheal ventilation, and the risk of bronchopulmonary dysplasia. <i>Pediatric Research</i> , 2022, 91, 652-658.	1.1	16
79	Transcriptional profiling of the ductus arteriosus: Comparison of rodent microarrays and human RNA sequencing. <i>Seminars in Perinatology</i> , 2018, 42, 212-220.	1.1	15
80	Clamp late and maintain perfusion (CLAMP) policy: delayed cord clamping in preterm infants. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2016, 29, 1-5.	0.7	13
81	Surgical Ligation of the Patent Ductus Arteriosus: Treatment or Morbidity?. <i>Journal of Pediatrics</i> , 2012, 161, 583-584.	0.9	12
82	Superior Mesenteric Artery Blood Flow Velocities following Medical Treatment of a Patent Ductus Arteriosus. <i>Journal of Pediatrics</i> , 2014, 164, 661-663.	0.9	11
83	Predicting the Need for Home Oxygen Therapy in Preterm Infants Born Before 28 Weeks' Gestation. <i>American Journal of Perinatology</i> , 2016, 33, 034-039.	0.6	11
84	<i>CYP2C9*2</i> is associated with indomethacin treatment failure for patent ductus arteriosus. <i>Pharmacogenomics</i> , 2019, 20, 939-946.	0.6	11
85	Platelet Counts and Patent Ductus Arteriosus in Preterm Infants: An Updated Systematic Review and Meta-Analysis. <i>Frontiers in Pediatrics</i> , 2020, 8, 613766.	0.9	8
86	A role for neonatal bacteremia in deaths due to intestinal perforation: spontaneous intestinal perforation compared with perforated necrotizing enterocolitis. <i>Journal of Perinatology</i> , 2020, 40, 1662-1670.	0.9	8
87	Patent Ductus Arteriosus in the Preterm Infant. , 2012, , 751-761.		7
88	Dopamine-Resistant Hypotension and Severe Retinopathy of Prematurity. <i>Journal of Pediatrics</i> , 2013, 163, 400-405.	0.9	7
89	Ibuprofen Treatment for Closure of Patent Ductus Arteriosus Is Not Associated With Increased Risk of Neuropathology. <i>Pediatric Research</i> , 2010, 68, 298-302.	1.1	6
90	Transcatheter patent ductus arteriosus closure—will history repeat itself?. <i>Journal of Perinatology</i> , 2019, 39, 1435-1436.	0.9	6

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91	The Very Low Birth Weight Neonate with Hemodynamically Significant Ductus Arteriosus During the First Postnatal Week. , 2012, , 269-291.		5
92	Paracetamol (Acetaminophen) for Patent Ductus Arteriosus: Where Do We Stand?. Journal of Pediatrics, 2020, 222, 18-21.	0.9	5
93	Management of persistent ductus arteriosus in very premature neonates. Results of the French TRIOCAP1 trial, perspectives for clinicians, and subsequent studies on this topic. Archives De Pediatrie, 2021, 28, 501-503.	0.4	3
94	An Update on Patent Ductus Arteriosus and What is Coming Next. , 2022, 57, 118-131.		3
95	Response to Coceani et al.. Pediatric Research, 2017, 82, 175-175.	1.1	1
96	Mechanisms Regulating Closure of the Ductus Arteriosus. , 2017, , 592-599.e4.		1
97	Patent Ductus Arteriosus in the Preterm Infant. , 2018, , 790-800.e6.		0
98	Interactions between PDA-associated polymorphisms and genetic ancestry alter ductus arteriosus gene expression. Pediatric Research, 2021, , .	1.1	0
99	Reply. Journal of Pediatrics, 2021, 234, 291-292.	0.9	0