Jean-Paul Praud

List of Publications by Year
in descending order

101	1,512	304368	414034
papers	citations	22 h-index	32 g-index

117	117	117	766
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thyroarytenoid Muscle Electrical Activity During Spontaneous Apneas in Preterm Lambs. American Journal of Respiratory and Critical Care Medicine, 1999, 159, 1396-1404.	2.5	70
2	Postnatal maturation of laryngeal chemoreflexes in the preterm lamb. Journal of Applied Physiology, 2007, 102, 1429-1438.	1.2	63
3	Laryngeal sensitivity in the neonatal period: From bench to bedside. Pediatric Pulmonology, 2007, 42, 674-682.	1.0	52
4	Laryngeal response to nasal ventilation in nonsedated newborn lambs. Journal of Applied Physiology, 2007, 102, 2149-2157.	1.2	48
5	Upper airway reflexes in response to gastric reflux. Paediatric Respiratory Reviews, 2010, 11, 208-212.	1.2	46
6	Upper airways and neonatal respiration. Respiratory Physiology and Neurobiology, 2005, 149, 131-141.	0.7	41
7	Spirometric pulmonary function in 3- to 5-year-old children. Pediatric Pulmonology, 2007, 42, 263-271.	1.0	37
8	Laryngeal chemoreflexes induced by acid, water, and saline in nonsedated newborn lambs during quiet sleep. Journal of Applied Physiology, 2005, 98, 2197-2203.	1.2	35
9	Radio telemetry devices to monitor breathing in non-sedated animals. Respiratory Physiology and Neurobiology, 2011, 179, 111-118.	0.7	34
10	Effects of capsaicin pretreatment on expiratory laryngeal closure during pulmonary edema in lambs. Journal of Applied Physiology, 1999, 86, 1570-1577.	1.2	33
11	Obstructive sleep disordered breathing in children: Beyond adenotonsillectomy. Pediatric Pulmonology, 2008, 43, 837-843.	1.0	33
12	Trigeminal Airstream Stimulation. Chest, 1990, 98, 92-96.	0.4	32
13	Active glottal closure during central apneas limits oxygen desaturation in premature lambs. Journal of Applied Physiology, 2003, 94, 1949-1954.	1.2	32
14	Coordination between glottic adductor muscle and diaphragm EMG activity in fetal lambs in utero. Journal of Applied Physiology, 1998, 84, 1560-1565.	1.2	31
15	A Prototype of Volume-Controlled Tidal Liquid Ventilator Using Independent Piston Pumps. ASAIO Journal, 2006, 52, 638-645.	0.9	31
16	Effect of nasal continuous or intermittent positive airway pressure on nonnutritive swallowing in the newborn lamb. Journal of Applied Physiology, 2005, 99, 1636-1642.	1.2	30
17	Total liquid ventilation efficacy in an ovine model of severe meconium aspiration syndrome. Critical Care Medicine, 2011, 39, 1097-1103.	0.4	30
18	Mechanisms of active laryngeal closure during noninvasive intermittent positive pressure ventilation in nonsedated lambs. Journal of Applied Physiology, 2008, 105, 1406-1412.	1.2	29

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19	Radiotelemetry system for apnea study in lambs. Respiration Physiology, 1999, 116, 85-93.	2.8	26
20	Asynchronous Chest Wall Movements during Non-Rapid Eye Movement and Rapid Eye Movement Sleep in Children with Bronchopulmonary Dysplasia. The American Review of Respiratory Disease, 1993, 147, 1175-1184.	2.9	25
21	Absence of inspiratory laryngeal constrictor muscle activity during nasal neurally adjusted ventilatory assist in newborn lambs. Journal of Applied Physiology, 2012, 113, 63-70.	1.2	23
22	Non-nutritive swallowing and respiration coordination in full-term newborn lambs. Respiratory Physiology and Neurobiology, 2003, 134, 209-218.	0.7	22
23	Active upper airway closure during induced central apneas in lambs is complete at the laryngeal level only. Journal of Applied Physiology, 2003, 95, 97-103.	1.2	22
24	Passive compliance of total respiratory system in preterm newborn infants with respiratory distress syndrome. Journal of Pediatrics, 1988, 112, 778-781.	0.9	21
25	Active glottal closure during anoxic gasping in lambs. Respiration Physiology, 2001, 128, 205-218.	2.8	21
26	Prolonged active glottic closure after barbiturate-induced respiratory arrest in lambs. Respiration Physiology, 1996, 104, 221-229.	2.8	20
27	Nonnutritive swallowing and respiration relationships in preterm lambs. Journal of Applied Physiology, 2004, 97, 1283-1290.	1.2	20
28	Effects of caffeine and/or nasal CPAP treatment on laryngeal chemoreflexes in preterm lambs. Journal of Applied Physiology, 2013, 114, 637-646.	1.2	20
29	Long-Term Non-invasive Ventilation in Children: Current Use, Indications, and Contraindications. Frontiers in Pediatrics, 2020, 8, 584334.	0.9	20
30	Laryngeal Response to Hypoxia in Awake Lambs during the First Postnatal Days. Pediatric Research, 1995, 37, 482-488.	1.1	19
31	Effects of simulated reflux laryngitis on laryngeal chemoreflexes in newborn lambs. Journal of Applied Physiology, 2011, 111, 400-406.	1.2	18
32	Laryngeal and abdominal muscle electrical activity during periodic breathing in nonsedated lambs. Journal of Applied Physiology, 1998, 84, 669-675.	1.2	17
33	Postnatal maturation of vagal respiratory reflexes in preterm and full-term lambs. Journal of Applied Physiology, 2003, 94, 1978-1986.	1.2	17
34	Effects of postnatal smoke exposure on laryngeal chemoreflexes in newborn lambs. Journal of Applied Physiology, 2010, 109, 1820-1826.	1.2	17
35	Effects of nasal continuous positive-airway pressure on nutritive swallowing in lambs. Journal of Applied Physiology, 2012, 112, 1984-1991.	1.2	17
36	Influence of Hypoxia and Hypercapnia on Sleep State-Dependent Heart Rate Variability Behavior in Newborn Lambs. Sleep, 2012, 35, 1541-9.	0.6	17

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37	Influence of Sleep States on Laryngeal and Abdominal Muscle Response to Upper Airway Occlusion in Lambs. Pediatric Research, 1997, 41, 862-871.	1.1	17
38	Inferior pharyngeal constrictor electromyographic activity during permeability pulmonary edema in lambs. Journal of Applied Physiology, 1996, 81, 1598-1604.	1.2	16
39	Nasal Continuous Positive Airway Pressure Inhibits Gastroesophageal Reflux in Newborn Lambs. PLoS ONE, 2014, 9, e107736.	1.1	16
40	Effects of C fiber blockade on cardiorespiratory responses to laryngeal stimulation in concious lambs. Respiratory Physiology and Neurobiology, 2003, 136, 13-23.	0.7	14
41	Effects of hypoxia and hypercapnia on nonnutritive swallowing in newborn lambs. Journal of Applied Physiology, 2007, 103, 1180-1188.	1.2	14
42	Validation of a new automatic smoking machine to study the effects of cigarette smoke in newborn lambs. Laboratory Animals, 2010, 44, 290-297.	0.5	14
43	Nasal continuous positive airway pressure influences bottle-feeding in preterm lambs. Pediatric Research, 2017, 82, 926-933.	1.1	14
44	Core Body Temperature Control by Total Liquid Ventilation Using a Virtual Lung Temperature Sensor. IEEE Transactions on Biomedical Engineering, 2014, 61, 2859-2868.	2.5	13
45	Periodic breathing induced on demand in awake newborn lamb. Journal of Applied Physiology, 1997, 82, 607-612.	1.2	12
46	Consequences of capsaicin treatment on pulmonary vagal reflexes and chemoreceptor activity in lambs. Journal of Applied Physiology, 2000, 89, 1709-1718.	1.2	12
47	Mathematical Modeling of Respiratory System Mechanics in the Newborn Lamb. Acta Biotheoretica, 2013, 61, 91-107.	0.7	12
48	Mechanical ventilation causes diaphragm dysfunction in newborn lambs. Critical Care, 2019, 23, 123.	2.5	12
49	Influence of vagal afferents on diphasic ventilatory response to hypoxia in newborn lambs. Respiration Physiology, 1995, 99, 29-39.	2.8	11
50	Abolition of breathing rhythmicity in lambs by CO2 unloading in the first hours of life. Respiration Physiology, 1997, 110, 1-8.	2.8	11
51	The future in paediatric respirology. Respirology, 2010, 15, 733-741.	1.3	11
52	Effects of Nasal Continuous Positive Airway Pressure and High-Flow Nasal Cannula on Sucking, Swallowing, and Breathing during Bottle-Feeding in Lambs. Frontiers in Pediatrics, 2017, 5, 296.	0.9	11
53	Vagal afferents and active upper airway closure during pulmonary edema in lambs. Journal of Applied Physiology, 1999, 86, 1561-1569.	1.2	10
54	Laryngeal function and nasal ventilatory support in the neonatal period. Paediatric Respiratory Reviews, 2006, 7, S180-S182.	1.2	10

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55	Cricothyroid muscle electrical activity during respiration and apneas in lambs. Respiratory Physiology and Neurobiology, 2007, 155, 147-155.	0.7	10
56	Optimal Control of Inspired Perfluorocarbon Temperature for Ultrafast Hypothermia Induction by Total Liquid Ventilation in an Adult Patient Model. IEEE Transactions on Biomedical Engineering, 2017, 64, 2760-2770.	2.5	10
57	New insights into sucking, swallowing and breathing central generators: A complexity analysis of rhythmic motor behaviors. Neuroscience Letters, 2017, 638, 90-95.	1.0	10
58	Origins of the inhibiting effects of nasal CPAP on nonnutritive swallowing in newborn lambs. Journal of Applied Physiology, 2008, 105, 1083-1090.	1.2	9
59	Recursive identification of an arterial baroreflex model for the evaluation of cardiovascular autonomic modulation. Computers in Biology and Medicine, 2015, 66, 287-294.	3.9	9
60	Effect of ultra-fast mild hypothermia using total liquid ventilation on hemodynamics and respiratory mechanics. Cryobiology, 2016, 73, 99-101.	0.3	9
61	Lung Mechanics and Breathing Pattern During Wakefulness and Sleep in Children with Enlarged Tonsils. Sleep, 1984, 7, 304-312.	0.6	8
62	Radionuclide Evaluation of Cardiac Function during Sleep in Children with Bronchopulmonary Dysplasia. Chest, 1991, 100, 721-725.	0.4	8
63	Fetal Hemoglobin Synthesis Determined by Â-mRNA/Â-mRNA + Â-mRNA Quantitation in Infants at Risk for Sudden Infant Death Syndrome Being Monitored at Home for Apnea. Pediatrics, 2003, 112, e285-e285.	1.0	8
64	Moderate Hyperbilirubinemia Alters Neonatal Cardiorespiratory Control and Induces Inflammation in the Nucleus Tractus Solitarius. Frontiers in Physiology, 2016, 7, 437.	1.3	8
65	Inhibitory Effect of Nasal Intermittent Positive Pressure Ventilation on Gastroesophageal Reflux. PLoS ONE, 2016, 11, e0146742.	1.1	8
66	Postnatal autonomic activity in the preterm lamb. Research in Veterinary Science, 2010, 89, 242-249.	0.9	7
67	Reflex cardiorespiratory events from esophageal origin are heightened by preterm birth. Journal of Applied Physiology, 2017, 123, 489-497.	1.2	7
68	Assessment of tobacco smoke effects on neonatal cardiorespiratory control using a semi-automated processing approach. Medical and Biological Engineering and Computing, 2018, 56, 2025-2037.	1.6	7
69	Influence of nasal CPAP on cardiorespiratory control in healthy neonate. Journal of Applied Physiology, 2019, 127, 1370-1385.	1.2	7
70	Neonatal total liquid ventilation: is low-frequency forced oscillation technique suitable for respiratory mechanics assessment?. Journal of Applied Physiology, 2010, 109, 501-510.	1.2	6
71	Pulmonary Function Testing in Children with Restrictive Chest Wall Disorders. Pediatric, Allergy, Immunology, and Pulmonology, 2011, 24, 89-94.	0.3	6
72	Nasal high-frequency oscillatory ventilation inhibits gastroesophageal reflux in the neonatal period. Respiratory Physiology and Neurobiology, 2018, 251, 28-33.	0.7	6

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73	Absence of Effect of Nasal Continuous Positive Airway Pressure on the Esophageal Phase of Nutritive Swallowing in Newborn Lambs. Journal of Pediatric Gastroenterology and Nutrition, 2013, 57, 188-191.	0.9	5
74	Perflubron Distribution During Transition From Gas to Total Liquid Ventilation. Frontiers in Physiology, 2018, 9, 1723.	1.3	5
75	Effect of Low Versus High Tidal-Volume Total Liquid Ventilation on Pulmonary Inflammation. Frontiers in Physiology, 2020, 11, 603.	1.3	5
76	Nasal respiratory support and tachypnea and oral feeding in full-term newborn lambs. Journal of Applied Physiology, 2021, 130, 1436-1447.	1.2	5
77	Monitoring pulse oximetry via radiotelemetry in freely-moving lambs. Respiratory Physiology and Neurobiology, 2005, 147, 65-72.	0.7	4
78	Experimental Validation of Cardiac Index Measurement Using Transpulmonary Thermodilution Technique in Neonatal Total Liquid Ventilation. ASAIO Journal, 2010, 56, 557-562.	0.9	4
79	Newborn Lamb as a New Model for Studying Gastroesophageal Reflux. Journal of Pediatric Gastroenterology and Nutrition, 2012, 55, 745-746.	0.9	4
80	Effects of postnatal environmental tobacco smoke on non-nutritive swallowing-breathing coordination in newborn lambs. Respiratory Physiology and Neurobiology, 2013, 185, 446-453.	0.7	4
81	Effects of Inspiratory Pressure Rise Time and Hypoxic or Hypercapnic Breathing on Inspiratory Laryngeal Constrictor Muscle Activity During Nasal Pressure Support Ventilation. Critical Care Medicine, 2015, 43, e296-e303.	0.4	4
82	Influence of Moderate Hyperbilirubinemia on Cardiorespiratory Control in Preterm Lambs. Frontiers in Physiology, 2019, 10, 468.	1.3	4
83	Presence of task-1 channel in the laryngeal mucosa in the newborn lamb. Experimental Lung Research, 2011, 37, 205-211.	0.5	3
84	Drug-induced sleep endoscopy compared with systematic adenotonsillectomy in the management of obstructive sleep apnoea in children: a systematic review and meta-analysis protocol. BMJ Open, 2019, 9, e028242.	0.8	3
85	Cardiorespiratory Alterations in a Newborn Ovine Model of Systemic Inflammation Induced by Lipopolysaccharide Injection. Frontiers in Physiology, 2020, 11, 585.	1.3	3
86	C-fiber blockade influence on non-nutritive swallowing in full-term lambs. Respiratory Physiology and Neurobiology, 2006, 152, 27-35.	0.7	2
87	Laryngeal narrowing during nasal ventilation does not originate from bronchopulmonary C-fibers. Respiratory Physiology and Neurobiology, 2014, 202, 32-34.	0.7	2
88	Nonâ€invasive highâ€frequency oscillatory ventilation for preterm newborns: The time has come for consideration. Pediatric Pulmonology, 2017, 52, 1526-1528.	1.0	2
89	Nocturnal oximetry in pediatric respiratory disease: Urgent need for developing standardized interpretation rules. Pediatric Pulmonology, 2018, 53, 1001-1003.	1.0	2
90	A new ovine model of spine and chest wall deformity at birth with alteration of respiratory system mechanics and lung development: a feasibility study. European Spine Journal, 2019, 28, 114-120.	1.0	2

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91	Safety of Bottle-Feeding Under Nasal Respiratory Support in Preterm Lambs With and Without Tachypnoea. Frontiers in Physiology, 2021, 12, 785086.	1.3	2
92	Relevance of animal research on the effects of postnatal exposure to environmental tobacco smoke. Laboratory Animals, 2012, 46, 264-265.	0.5	1
93	Milk Temperature Influences Esophageal Motility in the Newborn Lamb. Journal of Pediatric Gastroenterology and Nutrition, 2013, 56, 27-29.	0.9	1
94	Recursive Model Identification for the Evaluation of Baroreflex Sensitivity. Acta Biotheoretica, 2016, 64, 469-478.	0.7	1
95	Respiratory activity of the cricopharyngeus muscle in the neonatal period. Respiratory Physiology and Neurobiology, 2021, 290, 103671.	0.7	1
96	Conventional vs high-frequency ventilation for weaning from total liquid ventilation in lambs. Respiratory Physiology and Neurobiology, 2022, 299, 103867.	0.7	1
97	FEV0.75/FVC: AN ALTERNATIVE TO FEV1/FVC IN PRESCHOOL CHILDREN. Chest, 2008, 134, 24S.	0.4	0
98	Effects of reflux laryngitis on non-nutritive swallowing in newborn lambs. Respiratory Physiology and Neurobiology, 2014, 200, 57-63.	0.7	0
99	Pediatric Pulmonology year in review 2014: Part 1. Pediatric Pulmonology, 2015, 50, 621-629.	1.0	0
100	Pediatric Pulmonologyyear in review 2015: Part 2. Pediatric Pulmonology, 2016, 51, 740-746.	1.0	0
101	Effects of upper airway obstruction or hypoxia on gastroesophageal reflux in newborn lambs. Pediatric Research, 2021, 89, 496-501.	1.1	0