

Jean-Paul Praud

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

1,512
citations

304368

22
h-index

414034

32
g-index

117
all docs

117
docs citations

117
times ranked

766
citing authors

#	ARTICLE	IF	CITATIONS
1	Conventional vs high-frequency ventilation for weaning from total liquid ventilation in lambs. <i>Respiratory Physiology and Neurobiology</i> , 2022, 299, 103867.	0.7	1
2	Effects of upper airway obstruction or hypoxia on gastroesophageal reflux in newborn lambs. <i>Pediatric Research</i> , 2021, 89, 496-501.	1.1	0
3	Nasal respiratory support and tachypnea and oral feeding in full-term newborn lambs. <i>Journal of Applied Physiology</i> , 2021, 130, 1436-1447.	1.2	5
4	Respiratory activity of the cricopharyngeus muscle in the neonatal period. <i>Respiratory Physiology and Neurobiology</i> , 2021, 290, 103671.	0.7	1
5	Safety of Bottle-Feeding Under Nasal Respiratory Support in Preterm Lambs With and Without Tachypnoea. <i>Frontiers in Physiology</i> , 2021, 12, 785086.	1.3	2
6	Long-Term Non-invasive Ventilation in Children: Current Use, Indications, and Contraindications. <i>Frontiers in Pediatrics</i> , 2020, 8, 584334.	0.9	20
7	Cardiorespiratory Alterations in a Newborn Ovine Model of Systemic Inflammation Induced by Lipopolysaccharide Injection. <i>Frontiers in Physiology</i> , 2020, 11, 585.	1.3	3
8	Effect of Low Versus High Tidal-Volume Total Liquid Ventilation on Pulmonary Inflammation. <i>Frontiers in Physiology</i> , 2020, 11, 603.	1.3	5
9	Influence of nasal CPAP on cardiorespiratory control in healthy neonate. <i>Journal of Applied Physiology</i> , 2019, 127, 1370-1385.	1.2	7
10	Influence of Moderate Hyperbilirubinemia on Cardiorespiratory Control in Preterm Lambs. <i>Frontiers in Physiology</i> , 2019, 10, 468.	1.3	4
11	Mechanical ventilation causes diaphragm dysfunction in newborn lambs. <i>Critical Care</i> , 2019, 23, 123.	2.5	12
12	Drug-induced sleep endoscopy compared with systematic adenotonsillectomy in the management of obstructive sleep apnoea in children: a systematic review and meta-analysis protocol. <i>BMJ Open</i> , 2019, 9, e028242.	0.8	3
13	A new ovine model of spine and chest wall deformity at birth with alteration of respiratory system mechanics and lung development: a feasibility study. <i>European Spine Journal</i> , 2019, 28, 114-120.	1.0	2
14	Nocturnal oximetry in pediatric respiratory disease: Urgent need for developing standardized interpretation rules. <i>Pediatric Pulmonology</i> , 2018, 53, 1001-1003.	1.0	2
15	Nasal high-frequency oscillatory ventilation inhibits gastroesophageal reflux in the neonatal period. <i>Respiratory Physiology and Neurobiology</i> , 2018, 251, 28-33.	0.7	6
16	Perflubron Distribution During Transition From Gas to Total Liquid Ventilation. <i>Frontiers in Physiology</i> , 2018, 9, 1723.	1.3	5
17	Assessment of tobacco smoke effects on neonatal cardiorespiratory control using a semi-automated processing approach. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 2025-2037.	1.6	7
18	Optimal Control of Inspired Perfluorocarbon Temperature for Ultrafast Hypothermia Induction by Total Liquid Ventilation in an Adult Patient Model. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2760-2770.	2.5	10

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19	New insights into sucking, swallowing and breathing central generators: A complexity analysis of rhythmic motor behaviors. <i>Neuroscience Letters</i> , 2017, 638, 90-95.	1.0	10
20	Noninvasive high-frequency oscillatory ventilation for preterm newborns: The time has come for consideration. <i>Pediatric Pulmonology</i> , 2017, 52, 1526-1528.	1.0	2
21	Reflex cardiorespiratory events from esophageal origin are heightened by preterm birth. <i>Journal of Applied Physiology</i> , 2017, 123, 489-497.	1.2	7
22	Nasal continuous positive airway pressure influences bottle-feeding in preterm lambs. <i>Pediatric Research</i> , 2017, 82, 926-933.	1.1	14
23	Effects of Nasal Continuous Positive Airway Pressure and High-Flow Nasal Cannula on Sucking, Swallowing, and Breathing during Bottle-Feeding in Lambs. <i>Frontiers in Pediatrics</i> , 2017, 5, 296.	0.9	11
24	Moderate Hyperbilirubinemia Alters Neonatal Cardiorespiratory Control and Induces Inflammation in the Nucleus Tractus Solitarius. <i>Frontiers in Physiology</i> , 2016, 7, 437.	1.3	8
25	Pediatric Pulmonology year in review 2015: Part 2. <i>Pediatric Pulmonology</i> , 2016, 51, 740-746.	1.0	0
26	Recursive Model Identification for the Evaluation of Baroreflex Sensitivity. <i>Acta Biotheoretica</i> , 2016, 64, 469-478.	0.7	1
27	Effect of ultra-fast mild hypothermia using total liquid ventilation on hemodynamics and respiratory mechanics. <i>Cryobiology</i> , 2016, 73, 99-101.	0.3	9
28	Inhibitory Effect of Nasal Intermittent Positive Pressure Ventilation on Gastroesophageal Reflux. <i>PLoS ONE</i> , 2016, 11, e0146742.	1.1	8
29	Pediatric Pulmonology year in review 2014: Part 1. <i>Pediatric Pulmonology</i> , 2015, 50, 621-629.	1.0	0
30	Effects of Inspiratory Pressure Rise Time and Hypoxic or Hypercapnic Breathing on Inspiratory Laryngeal Constrictor Muscle Activity During Nasal Pressure Support Ventilation. <i>Critical Care Medicine</i> , 2015, 43, e296-e303.	0.4	4
31	Recursive identification of an arterial baroreflex model for the evaluation of cardiovascular autonomic modulation. <i>Computers in Biology and Medicine</i> , 2015, 66, 287-294.	3.9	9
32	Core Body Temperature Control by Total Liquid Ventilation Using a Virtual Lung Temperature Sensor. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 2859-2868.	2.5	13
33	Laryngeal narrowing during nasal ventilation does not originate from bronchopulmonary C-fibers. <i>Respiratory Physiology and Neurobiology</i> , 2014, 202, 32-34.	0.7	2
34	Effects of reflux laryngitis on non-nutritive swallowing in newborn lambs. <i>Respiratory Physiology and Neurobiology</i> , 2014, 200, 57-63.	0.7	0
35	Nasal Continuous Positive Airway Pressure Inhibits Gastroesophageal Reflux in Newborn Lambs. <i>PLoS ONE</i> , 2014, 9, e107736.	1.1	16
36	Mathematical Modeling of Respiratory System Mechanics in the Newborn Lamb. <i>Acta Biotheoretica</i> , 2013, 61, 91-107.	0.7	12

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37	Effects of postnatal environmental tobacco smoke on non-nutritive swallowing-breathing coordination in newborn lambs. <i>Respiratory Physiology and Neurobiology</i> , 2013, 185, 446-453.	0.7	4
38	Milk Temperature Influences Esophageal Motility in the Newborn Lamb. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2013, 56, 27-29.	0.9	1
39	Effects of caffeine and/or nasal CPAP treatment on laryngeal chemoreflexes in preterm lambs. <i>Journal of Applied Physiology</i> , 2013, 114, 637-646.	1.2	20
40	Absence of Effect of Nasal Continuous Positive Airway Pressure on the Esophageal Phase of Nutritive Swallowing in Newborn Lambs. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2013, 57, 188-191.	0.9	5
41	Relevance of animal research on the effects of postnatal exposure to environmental tobacco smoke. <i>Laboratory Animals</i> , 2012, 46, 264-265.	0.5	1
42	Newborn Lamb as a New Model for Studying Gastroesophageal Reflux. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2012, 55, 745-746.	0.9	4
43	Absence of inspiratory laryngeal constrictor muscle activity during nasal neurally adjusted ventilatory assist in newborn lambs. <i>Journal of Applied Physiology</i> , 2012, 113, 63-70.	1.2	23
44	Effects of nasal continuous positive-airway pressure on nutritive swallowing in lambs. <i>Journal of Applied Physiology</i> , 2012, 112, 1984-1991.	1.2	17
45	Influence of Hypoxia and Hypercapnia on Sleep State-Dependent Heart Rate Variability Behavior in Newborn Lambs. <i>Sleep</i> , 2012, 35, 1541-9.	0.6	17
46	Total liquid ventilation efficacy in an ovine model of severe meconium aspiration syndrome. <i>Critical Care Medicine</i> , 2011, 39, 1097-1103.	0.4	30
47	Effects of simulated reflux laryngitis on laryngeal chemoreflexes in newborn lambs. <i>Journal of Applied Physiology</i> , 2011, 111, 400-406.	1.2	18
48	Radio telemetry devices to monitor breathing in non-sedated animals. <i>Respiratory Physiology and Neurobiology</i> , 2011, 179, 111-118.	0.7	34
49	Pulmonary Function Testing in Children with Restrictive Chest Wall Disorders. <i>Pediatric, Allergy, Immunology, and Pulmonology</i> , 2011, 24, 89-94.	0.3	6
50	Presence of task-1 channel in the laryngeal mucosa in the newborn lamb. <i>Experimental Lung Research</i> , 2011, 37, 205-211.	0.5	3
51	Experimental Validation of Cardiac Index Measurement Using Transpulmonary Thermodilution Technique in Neonatal Total Liquid Ventilation. <i>ASAIO Journal</i> , 2010, 56, 557-562.	0.9	4
52	Neonatal total liquid ventilation: is low-frequency forced oscillation technique suitable for respiratory mechanics assessment?. <i>Journal of Applied Physiology</i> , 2010, 109, 501-510.	1.2	6
53	Upper airway reflexes in response to gastric reflux. <i>Paediatric Respiratory Reviews</i> , 2010, 11, 208-212.	1.2	46
54	The future in paediatric respirology. <i>Respirology</i> , 2010, 15, 733-741.	1.3	11

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55	Effects of postnatal smoke exposure on laryngeal chemoreflexes in newborn lambs. <i>Journal of Applied Physiology</i> , 2010, 109, 1820-1826.	1.2	17
56	Validation of a new automatic smoking machine to study the effects of cigarette smoke in newborn lambs. <i>Laboratory Animals</i> , 2010, 44, 290-297.	0.5	14
57	Postnatal autonomic activity in the preterm lamb. <i>Research in Veterinary Science</i> , 2010, 89, 242-249.	0.9	7
58	Obstructive sleep disordered breathing in children: Beyond adenotonsillectomy. <i>Pediatric Pulmonology</i> , 2008, 43, 837-843.	1.0	33
59	FEV0.75/FVC: AN ALTERNATIVE TO FEV1/FVC IN PRESCHOOL CHILDREN. <i>Chest</i> , 2008, 134, 24S.	0.4	0
60	Mechanisms of active laryngeal closure during noninvasive intermittent positive pressure ventilation in nonsedated lambs. <i>Journal of Applied Physiology</i> , 2008, 105, 1406-1412.	1.2	29
61	Origins of the inhibiting effects of nasal CPAP on nonnutritive swallowing in newborn lambs. <i>Journal of Applied Physiology</i> , 2008, 105, 1083-1090.	1.2	9
62	Cricothyroid muscle electrical activity during respiration and apneas in lambs. <i>Respiratory Physiology and Neurobiology</i> , 2007, 155, 147-155.	0.7	10
63	Postnatal maturation of laryngeal chemoreflexes in the preterm lamb. <i>Journal of Applied Physiology</i> , 2007, 102, 1429-1438.	1.2	63
64	Laryngeal response to nasal ventilation in nonsedated newborn lambs. <i>Journal of Applied Physiology</i> , 2007, 102, 2149-2157.	1.2	48
65	Effects of hypoxia and hypercapnia on nonnutritive swallowing in newborn lambs. <i>Journal of Applied Physiology</i> , 2007, 103, 1180-1188.	1.2	14
66	Spirometric pulmonary function in 3- to 5-year-old children. <i>Pediatric Pulmonology</i> , 2007, 42, 263-271.	1.0	37
67	Laryngeal sensitivity in the neonatal period: From bench to bedside. <i>Pediatric Pulmonology</i> , 2007, 42, 674-682.	1.0	52
68	Laryngeal function and nasal ventilatory support in the neonatal period. <i>Paediatric Respiratory Reviews</i> , 2006, 7, S180-S182.	1.2	10
69	C-fiber blockade influence on non-nutritive swallowing in full-term lambs. <i>Respiratory Physiology and Neurobiology</i> , 2006, 152, 27-35.	0.7	2
70	A Prototype of Volume-Controlled Tidal Liquid Ventilator Using Independent Piston Pumps. <i>ASAIO Journal</i> , 2006, 52, 638-645.	0.9	31
71	Effect of nasal continuous or intermittent positive airway pressure on nonnutritive swallowing in the newborn lamb. <i>Journal of Applied Physiology</i> , 2005, 99, 1636-1642.	1.2	30
72	Laryngeal chemoreflexes induced by acid, water, and saline in nonsedated newborn lambs during quiet sleep. <i>Journal of Applied Physiology</i> , 2005, 98, 2197-2203.	1.2	35

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73	Monitoring pulse oximetry via radiotelemetry in freely-moving lambs. <i>Respiratory Physiology and Neurobiology</i> , 2005, 147, 65-72.	0.7	4
74	Upper airways and neonatal respiration. <i>Respiratory Physiology and Neurobiology</i> , 2005, 149, 131-141.	0.7	41
75	Nonnutritive swallowing and respiration relationships in preterm lambs. <i>Journal of Applied Physiology</i> , 2004, 97, 1283-1290.	1.2	20
76	Non-nutritive swallowing and respiration coordination in full-term newborn lambs. <i>Respiratory Physiology and Neurobiology</i> , 2003, 134, 209-218.	0.7	22
77	Effects of C fiber blockade on cardiorespiratory responses to laryngeal stimulation in conscious lambs. <i>Respiratory Physiology and Neurobiology</i> , 2003, 136, 13-23.	0.7	14
78	Fetal Hemoglobin Synthesis Determined by \hat{A} -mRNA/ \hat{A} -mRNA + \hat{A} -mRNA Quantitation in Infants at Risk for Sudden Infant Death Syndrome Being Monitored at Home for Apnea. <i>Pediatrics</i> , 2003, 112, e285-e285.	1.0	8
79	Active glottal closure during central apneas limits oxygen desaturation in premature lambs. <i>Journal of Applied Physiology</i> , 2003, 94, 1949-1954.	1.2	32
80	Postnatal maturation of vagal respiratory reflexes in preterm and full-term lambs. <i>Journal of Applied Physiology</i> , 2003, 94, 1978-1986.	1.2	17
81	Active upper airway closure during induced central apneas in lambs is complete at the laryngeal level only. <i>Journal of Applied Physiology</i> , 2003, 95, 97-103.	1.2	22
82	Active glottal closure during anoxic gasping in lambs. <i>Respiration Physiology</i> , 2001, 128, 205-218.	2.8	21
83	Consequences of capsaicin treatment on pulmonary vagal reflexes and chemoreceptor activity in lambs. <i>Journal of Applied Physiology</i> , 2000, 89, 1709-1718.	1.2	12
84	Effects of capsaicin pretreatment on expiratory laryngeal closure during pulmonary edema in lambs. <i>Journal of Applied Physiology</i> , 1999, 86, 1570-1577.	1.2	33
85	Vagal afferents and active upper airway closure during pulmonary edema in lambs. <i>Journal of Applied Physiology</i> , 1999, 86, 1561-1569.	1.2	10
86	Thyroarytenoid Muscle Electrical Activity During Spontaneous Apneas in Preterm Lambs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999, 159, 1396-1404.	2.5	70
87	Radiotelemetry system for apnea study in lambs. <i>Respiration Physiology</i> , 1999, 116, 85-93.	2.8	26
88	Laryngeal and abdominal muscle electrical activity during periodic breathing in nonsedated lambs. <i>Journal of Applied Physiology</i> , 1998, 84, 669-675.	1.2	17
89	Coordination between glottic adductor muscle and diaphragm EMG activity in fetal lambs in utero. <i>Journal of Applied Physiology</i> , 1998, 84, 1560-1565.	1.2	31
90	Abolition of breathing rhythmicity in lambs by CO ₂ unloading in the first hours of life. <i>Respiration Physiology</i> , 1997, 110, 1-8.	2.8	11

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91	Periodic breathing induced on demand in awake newborn lamb. <i>Journal of Applied Physiology</i> , 1997, 82, 607-612.	1.2	12
92	Influence of Sleep States on Laryngeal and Abdominal Muscle Response to Upper Airway Occlusion in Lambs. <i>Pediatric Research</i> , 1997, 41, 862-871.	1.1	17
93	Prolonged active glottic closure after barbiturate-induced respiratory arrest in lambs. <i>Respiration Physiology</i> , 1996, 104, 221-229.	2.8	20
94	Inferior pharyngeal constrictor electromyographic activity during permeability pulmonary edema in lambs. <i>Journal of Applied Physiology</i> , 1996, 81, 1598-1604.	1.2	16
95	Laryngeal Response to Hypoxia in Awake Lambs during the First Postnatal Days. <i>Pediatric Research</i> , 1995, 37, 482-488.	1.1	19
96	Influence of vagal afferents on diphasic ventilatory response to hypoxia in newborn lambs. <i>Respiration Physiology</i> , 1995, 99, 29-39.	2.8	11
97	Asynchronous Chest Wall Movements during Non-Rapid Eye Movement and Rapid Eye Movement Sleep in Children with Bronchopulmonary Dysplasia. <i>The American Review of Respiratory Disease</i> , 1993, 147, 1175-1184.	2.9	25
98	Radionuclide Evaluation of Cardiac Function during Sleep in Children with Bronchopulmonary Dysplasia. <i>Chest</i> , 1991, 100, 721-725.	0.4	8
99	Trigeminal Airstream Stimulation. <i>Chest</i> , 1990, 98, 92-96.	0.4	32
100	Passive compliance of total respiratory system in preterm newborn infants with respiratory distress syndrome. <i>Journal of Pediatrics</i> , 1988, 112, 778-781.	0.9	21
101	Lung Mechanics and Breathing Pattern During Wakefulness and Sleep in Children with Enlarged Tonsils. <i>Sleep</i> , 1984, 7, 304-312.	0.6	8