

Christophe Delclaux

List of Publications by Year in descending order

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103
papers

4,886
citations

172207

29
h-index

95083

68
g-index

108
all docs

108
docs citations

108
times ranked

4374
citing authors

#	ARTICLE	IF	CITATIONS
1	Tidal Volume Reduction for Prevention of Ventilator-induced Lung Injury in Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 1998, 158, 1831-1838.	2.5	748
2	Association of TNF2, a TNF- β Promoter Polymorphism, With Septic Shock Susceptibility and Mortality. JAMA - Journal of the American Medical Association, 1999, 282, 561.	3.8	662
3	Treatment of Acute Hypoxemic Nonhypercapnic Respiratory Insufficiency With Continuous Positive Airway Pressure Delivered by a Face Mask. JAMA - Journal of the American Medical Association, 2000, 284, 2352.	3.8	426
4	Multicenter Prospective Study of Ventilator-Associated Pneumonia During Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2000, 161, 1942-1948.	2.5	221
5	Hemodynamic Tolerance of Intermittent Hemodialysis in Critically Ill Patients. American Journal of Respiratory and Critical Care Medicine, 2000, 162, 197-202.	2.5	207
6	Lower Respiratory Tract Colonization and Infection during Severe Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 1997, 156, 1092-1098.	2.5	178
7	Deterioration of previous acute lung injury during neutropenia recovery*. Critical Care Medicine, 2002, 30, 781-786.	0.4	129
8	Wheezing recognition algorithm using recordings of respiratory sounds at the mouth in a pediatric population. Computers in Biology and Medicine, 2016, 70, 40-50.	3.9	116
9	Corticosteroids as Adjunctive Therapy for Severe Pneumocystis carinii Pneumonia in Non-Human Immunodeficiency Virus-Infected Patients: Retrospective Study of 31 Patients. Clinical Infectious Diseases, 1999, 29, 670-672.	2.9	102
10	Increase in Alveolar Nitric Oxide in the Presence of Symptoms in Childhood Asthma. Chest, 2004, 125, 1012-1018.	0.4	102
11	Expression of Matrix Metalloproteinase Gelatinases A and B by Cultured Epithelial Cells from Human Bronchial Explants. Journal of Biological Chemistry, 1996, 271, 15580-15589.	1.6	100
12	Impairment of polymorphonuclear neutrophil functions precedes nosocomial infections in critically ill patients. Critical Care Medicine, 2002, 30, 315-322.	0.4	95
13	Both inflammation and remodeling influence nitric oxide output in children with refractory asthma. Journal of Allergy and Clinical Immunology, 2004, 113, 252-256.	1.5	94
14	Granulocyte Colony-Stimulating Factor or Neutrophil-Induced Pulmonary Toxicity: Myth or Reality?. Chest, 2001, 120, 1695-1701.	0.4	86
15	Increased Nitric Oxide Output from Alveolar Origin during Liver Cirrhosis versus Bronchial Source during Asthma. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 332-337.	2.5	82
16	High Bactericidal Efficiency of Type IIA Phospholipase A2 against <i>Bacillus anthracis</i> and Inhibition of Its Secretion by the Lethal Toxin. Journal of Immunology, 2004, 173, 521-530.	0.4	80
17	Protection Against Acute Lung Injury by Intravenous or Intratracheal Pretreatment with EPI-HNE-4, a New Potent Neutrophil Elastase Inhibitor. American Journal of Respiratory Cell and Molecular Biology, 2002, 26, 290-297.	1.4	79
18	Effect of granulocyte colony-stimulating factor on bleomycin-induced acute lung injury and pulmonary fibrosis. Critical Care Medicine, 2003, 31, 1442-1448.	0.4	68

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19	Efficacy and Cost of Home-Initiated Auto-nCPAP versus Conventional nCPAP. <i>Sleep</i> , 2003, 26, 156-160.	0.6	64
20	Factors Associated With Dyspnea in Adult Patients With Sickle Cell Disease. <i>Chest</i> , 2005, 128, 3336-3344.	0.4	61
21	Exacerbation with granulocyte colony-stimulating factor of prior acute lung injury during neutropenia recovery in rats. <i>Critical Care Medicine</i> , 2003, 31, 157-165.	0.4	51
22	Measurement of Dynamic Hyperinflation After a 6-Minute Walk Test in Patients With COPD. <i>Chest</i> , 2009, 136, 1466-1472.	0.4	51
23	Inspiratory flow in the nose: a model coupling flow and vasoerectile tissue distensibility. <i>Journal of Applied Physiology</i> , 2005, 98, 288-295.	1.2	43
24	Exacerbation by granulocyte colony-stimulating factor of prior acute lung injury: Implication of neutrophils. <i>Critical Care Medicine</i> , 2002, 30, 2115-2122.	0.4	41
25	Intravenous Immunoglobulin Therapy in Pediatric Narcolepsy: A Nonrandomized, Open-Label, Controlled, Longitudinal Observational Study. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 441-453.	1.4	35
26	Cell-Matrix Interactions Modulate 92-kD Gelatinase Expression by Human Bronchial Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 18, 813-822.	1.4	34
27	Relationship between pressure-volume curve and markers for collagen turn-over in early acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2006, 32, 413-420.	3.9	34
28	Predictive Value of Pulmonary Function Parameters for Sleep Apnea Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000, 162, 2208-2212.	2.5	32
29	Impairment of Nitric Oxide Output of Conducting Airways in Primary Ciliary Dyskinesia. <i>Pediatric Pulmonology</i> , 2006, 41, 158-163.	1.0	32
30	Beneficial effects of nitric oxide inhalation on pulmonary bacterial clearance. <i>Critical Care Medicine</i> , 2002, 30, 442-447.	0.4	30
31	Longitudinal strain of systemic right ventricle correlates with exercise capacity in adult with transposition of the great arteries after atrial switch. <i>International Journal of Cardiology</i> , 2016, 217, 28-34.	0.8	30
32	Overweight is not a comorbidity factor during childhood asthma: the GrowthOb study. <i>European Respiratory Journal</i> , 2012, 39, 1120-1126.	3.1	29
33	Neutrophil Proteinases in Hydrochloric Acid- and Endotoxin-Induced Acute Lung Injury: Evaluation of Interstitial Protease Activity by in situ Zymography. <i>Laboratory Investigation</i> , 2002, 82, 133-145.	1.7	25
34	Diffusing Capacity for Carbon Monoxide is Linked to Ventilatory Demand in Patients with Chronic Obstructive Pulmonary Disease. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2012, 9, 16-21.	0.7	25
35	Relationships between Specific Airway Resistance and Forced Expiratory Flows in Asthmatic Children. <i>PLoS ONE</i> , 2009, 4, e5270.	1.1	24
36	Granulocyte colony-stimulating factor enhances host defenses against bacterial pneumonia following peritonitis in nonneutropenic rats*. <i>Critical Care Medicine</i> , 2002, 30, 2107-2114.	0.4	23

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37	Is there a place for granulocyte colony-stimulating factor in non-neutropenic critically ill patients?. Intensive Care Medicine, 2004, 30, 10-17.	3.9	22
38	BENEFICIAL EFFECT OF AN INHIBITOR OF LEUKOCYTE ELASTASE (EPI-hNE-4) IN PRESENCE OF REPEATED LUNG INJURIES. Shock, 2004, 22, 131-136.	1.0	22
39	Validity criteria and comparison of analytical methods of flow-independent exhaled NO parameters. Respiratory Physiology and Neurobiology, 2006, 153, 148-156.	0.7	20
40	Use of specific airway resistance to assess bronchodilator response in children. Respiriology, 2011, 16, 666-671.	1.3	20
41	Baseline and post- β bronchodilator interrupter resistance and spirometry in asthmatic children. Pediatric Pulmonology, 2012, 47, 987-993.	1.0	20
42	Arginine administration to critically ill patients with a low nitric oxide fraction in the airways: a pilot study. Intensive Care Medicine, 2013, 39, 1663-1665.	3.9	20
43	Increased ventilatory variability and complexity in patients with hyperventilation disorder. Journal of Applied Physiology, 2016, 120, 1165-1172.	1.2	19
44	Protective Effect of Endotoxin Instillation on Subsequent Bacteria-induced Acute Lung Injury in Rats. American Journal of Respiratory and Critical Care Medicine, 1998, 158, 1702-1708.	2.5	18
45	Cross-sectional assessment of exertional dyspnea in otherwise healthy children. Pediatric Pulmonology, 2014, 49, 772-781.	1.0	18
46	Alveolar Nitric Oxide and Effect of Deep Inspiration During Methacholine Challenge. Chest, 2005, 127, 1696-1702.	0.4	17
47	Lumen areas and homothety factor influence airway resistance in COPD. Respiratory Physiology and Neurobiology, 2010, 173, 1-10.	0.7	17
48	Exhaled nitric oxide and clinical phenotypes of childhood asthma. Respiratory Research, 2011, 12, 65.	1.4	16
49	Bactericidal activity response of blood neutrophils from critically ill patients to in vitro granulocyte colony-stimulating factor stimulation. Intensive Care Medicine, 2003, 29, 396-402.	3.9	14
50	Use of Glass Capillaries Avoids the Time Changes in High Blood Po ₂ Observed With Plastic Syringes. Chest, 2001, 120, 1651-1654.	0.4	13
51	PREDICTION OF NOSOCOMIAL INFECTION ACQUISITION IN VENTILATED PATIENTS BY NASAL NITRIC OXIDE. Shock, 2010, 34, 217-221.	1.0	13
52	Relationships between respiratory and airway resistances and activity-related dyspnea in patients with chronic obstructive pulmonary disease. International Journal of COPD, 2012, 7, 165.	0.9	13
53	Activity-related dyspnea is not modified by psychological status in people with COPD, interstitial lung disease or obesity. Respiratory Physiology and Neurobiology, 2012, 182, 18-25.	0.7	13
54	The utility of acoustic pharyngometry and rhinometry in pediatric obstructive sleep apnea syndrome. Sleep Medicine, 2019, 58, 75-81.	0.8	13

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55	Risk factors for airway hyperresponsiveness in severely obese women. <i>Respiratory Physiology and Neurobiology</i> , 2013, 186, 137-145.	0.7	12
56	Homothety ratio of airway diameters and site of airway resistance in healthy and COPD subjects. <i>Respiratory Physiology and Neurobiology</i> , 2014, 191, 38-43.	0.7	12
57	Loop gain in severely obese women with obstructive sleep apnoea. <i>Respiratory Physiology and Neurobiology</i> , 2016, 221, 49-53.	0.7	12
58	Abdominal Muscle Activity in Sleep Apnea During Continuous Positive Airway Pressure Titration. <i>Chest</i> , 2001, 120, 390-396.	0.4	11
59	Effect of partial liquid ventilation on bacterial clearance during <i>Pseudomonas aeruginosa</i> -induced lung injury in rats. <i>Intensive Care Medicine</i> , 2003, 29, 1151-1156.	3.9	11
60	Granulocyte colony-stimulating factor enhances alpha-naphthylthiourea-induced pulmonary hypertension. <i>Journal of Applied Physiology</i> , 2003, 94, 2027-2033.	1.2	11
61	BLOOD NEUTROPHIL BACTERICIDAL ACTIVITY AGAINST METHICILLIN-RESISTANT AND METHICILLIN-SENSITIVE STAPHYLOCOCCUS AUREUS DURING CARDIAC SURGERY. <i>Shock</i> , 2005, 24, 109-113.	1.0	11
62	Obstructive Apneas in a Mouse Model of Congenital Central Hypoventilation Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 1200-1210.	2.5	11
63	Decrease in lung nitric oxide production after peritonitis in mice with sickle cell disease*. <i>Critical Care Medicine</i> , 2007, 35, 502-509.	0.4	10
64	Cross-Sectional Assessment of the Relationships between Dyspnea Domains and Lung Function in Diffuse Parenchymal Lung Disease. <i>Respiration</i> , 2014, 87, 105-112.	1.2	10
65	Impaired atrioventricular transport in patients with transposition of the great arteries palliated by atrial switch and preserved systolic right ventricular function: A magnetic resonance imaging study. <i>Congenital Heart Disease</i> , 2017, 12, 458-466.	0.0	10
66	Lung Function Impairment Evidenced by Sequential Specific Airway Resistance in Childhood Persistent Asthma: A Longitudinal Study. <i>Journal of Asthma</i> , 2010, 47, 655-659.	0.9	9
67	Breathing under Anesthesia. <i>Anesthesiology</i> , 2019, 130, 995-1006.	1.3	9
68	Cross-sectional case-control study of the relationships between pharyngeal compliance and heart rate variability indices in childhood obstructive sleep apnoea. <i>Journal of Sleep Research</i> , 2021, 30, e13337.	1.7	9
69	Decreased exhaled nitric oxide as a marker of postinsult immune paralysis. <i>Journal of Applied Physiology</i> , 2004, 97, 1188-1194.	1.2	8
70	Prevalence of overestimation or underestimation of the functional capacity using MRC score as compared to 6-minute walk test in patients with cardio-respiratory disorders. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2014, 11, 496-502.	0.7	8
71	Prevalence of mouth breathing, with or without nasal obstruction, in children with moderate to severe obstructive sleep apnea. <i>Sleep Medicine</i> , 2022, 98, 98-105.	0.8	8
72	Adenovirus-Mediated Fibroblast Growth Factor 1 Expression in the Lung Induces Epithelial Cell Proliferation: Consequences to Hyperoxic Lung Injury in Rats. <i>Human Gene Therapy</i> , 2004, 15, 793-804.	1.4	7

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73	Avoidable Emergency Visits for Acute Asthma in Children: Prevalence and Risk Factors. <i>Pediatric, Allergy, Immunology, and Pulmonology</i> , 2016, 29, 130-136.	0.3	7
74	No need for pulmonologists to interpret pulmonary function tests. <i>European Respiratory Journal</i> , 2019, 54, 1900829.	3.1	7
75	Lung evaluation in 10-year survivors of pediatric allogeneic hematopoietic stem cell transplantation. <i>European Journal of Pediatrics</i> , 2019, 178, 1833-1839.	1.3	7
76	Cross-sectional study of loop gain abnormalities in childhood obstructive sleep apnea syndrome. <i>Sleep Medicine</i> , 2020, 69, 172-178.	0.8	7
77	Health-related quality of life and physical activity in children with inherited cardiac arrhythmia or inherited cardiomyopathy: the prospective multicentre controlled QUALIMYORRYTHM study rationale, design and methods. <i>Health and Quality of Life Outcomes</i> , 2021, 19, 187.	1.0	7
78	Offline Exhaled Nitric Oxide in Emergency Department and Subsequent Acute Asthma Control. <i>Journal of Asthma</i> , 2008, 45, 867-873.	0.9	6
79	Too rapid increase and too much breathlessness are distinct indices of exertional dyspnea in COPD. <i>Respiratory Physiology and Neurobiology</i> , 2011, 176, 32-38.	0.7	6
80	Usefulness of alveolar nitric oxide measurement in asthma: Still debated. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 1255-1256.	1.5	6
81	Pathophysiology of dyspnoea in acute pulmonary embolism: A cross-sectional evaluation. <i>Respirology</i> , 2017, 22, 771-777.	1.3	6
82	Cross-sectional phenotyping of small airway dysfunction in preschool asthma using the impulse oscillometry system. <i>Journal of Asthma</i> , 2021, 58, 573-585.	0.9	6
83	Effects of obesity on pulmonary function considering the transition from obstructive to restrictive pattern from childhood to young adulthood. <i>Obesity Reviews</i> , 2021, 22, e13327.	3.1	6
84	Impulse oscillometry indices to detect an abnormal lung clearance index in childhood cystic fibrosis. <i>Pediatric Pulmonology</i> , 2021, 56, 3752-3757.	1.0	6
85	Cross-Sectional Assessment of the Roles of Comorbidities in Resting and Activity-Related Dyspnea in Severely Obese Women. <i>Journal of Asthma</i> , 2013, 50, 565-572.	0.9	5
86	Mazindol: a risk factor for pulmonary arterial hypertension?. <i>Sleep Medicine</i> , 2017, 34, 168-169.	0.8	5
87	Comparison of methods of chemical loop gain measurement during tidal ventilation in awake healthy subjects. <i>Journal of Applied Physiology</i> , 2018, 125, 1681-1692.	1.2	5
88	Evaluation of Tonsillotomy Effects on Pharyngeal Volume and Compliance in Children. <i>Otolaryngology - Head and Neck Surgery</i> , 2020, 162, 230-233.	1.1	5
89	Tracheal section is an independent predictor of asthma in patients with nasal polyposis. <i>Respiratory Physiology and Neurobiology</i> , 2014, 203, 15-18.	0.7	4
90	Salbutamol Worsens the Autonomic Nervous System Dysfunction of Children With Sickle Cell Disease. <i>Frontiers in Physiology</i> , 2020, 11, 31.	1.3	4

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91	Small airway dysfunction is an independent dimension of wheezing disease in preschool children. <i>Pediatric Allergy and Immunology</i> , 2022, 33, .	1.1	4
92	Bronchodilator Response Assessment of the Small Airways Obstructive Pattern. <i>Open Respiratory Medicine Journal</i> , 2017, 11, 47-53.	1.3	4
93	Diagnostic tests and subtypes of dysfunctional breathing in children with unexplained exertional dyspnea. <i>Pediatric Pulmonology</i> , 2022, 57, 2428-2436.	1.0	4
94	Methacholine-Induced Variations in Airway Volume and the Slope of the Alveolar Capnogram Are Distinctly Associated with Airflow Limitation and Airway Closure. <i>PLoS ONE</i> , 2015, 10, e0143550.	1.1	3
95	Beneficial short-term effect of autogenic drainage on peripheral resistance in childhood cystic fibrosis disease. <i>BMC Pulmonary Medicine</i> , 2022, 22, .	0.8	3
96	Partitioning of exhaled NO in ventilated patients undergoing cardiac surgery. <i>Respiratory Physiology and Neurobiology</i> , 2010, 171, 151-156.	0.7	2
97	Increased physiological dead space at exercise is a marker of mild pulmonary or cardiovascular disease in dyspneic subjects. <i>European Clinical Respiratory Journal</i> , 2018, 5, 1492842.	0.7	2
98	Prediction of height using ulna length in Africanâ€Caribbean children. <i>Pediatric Pulmonology</i> , 2022, 57, 2032-2039.	1.0	2
99	Association of ex vivo vascular and bronchial dysfunctions in smokers. <i>Pulmonary Pharmacology and Therapeutics</i> , 2011, 24, 227-231.	1.1	1
100	Airway anatomy as a risk factor of COPD. <i>Thorax</i> , 2015, 70, 586-586.	2.7	1
101	Longitudinal assessment of loss and gain of lung function in childhood asthma. <i>Journal of Asthma</i> , 2021, , 1-8.	0.9	1
102	Can Dead Space Ventilation Really Be Measured without PaCO ₂ ?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 1555-1556.	2.5	0
103	Altered pulmonary capillary blood volume in childhood sickle cell disease. <i>European Respiratory Journal</i> , 2020, 56, 2000379.	3.1	0