Giovanni Piedimonte

List of Publications by Year
in descending order

79	3,023	117625	182427
papers	citations	34 h-index	51 g-index

81	81	81	3412
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolic Abnormalities in Children with Asthma. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 441-448.	5.6	168
2	Respiratory Syncytial Virus Infection and Bronchiolitis. Pediatrics in Review, 2014, 35, 519-530.	0.4	154
3	Respiratory syncytial virus prevention and therapy: Past, present, and future. Pediatric Pulmonology, 2011, 46, 324-347.	2.0	111
4	Nerve growth factor and nerve growth factor receptors in respiratory syncytial virus-infected lungs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 283, L494-L502.	2.9	106
5	Neurotrophin Overexpression in Lower Airways of Infants with Respiratory Syncytial Virus Infection. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 233-237.	5.6	103
6	Contribution of neuroimmune mechanisms to airway inflammation and remodeling during and after respiratory syncytial virus infection. Pediatric Infectious Disease Journal, 2003, 22, S66-S75.	2.0	91
7	Exaggerated Neurogenic Inflammation and Substance P Receptor Upregulation in RSV-Infected Weanling Rats. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 101-107.	2.9	87
8	The Role of Neurotrophins in Inflammation and Allergy. Vitamins and Hormones, 2017, 104, 313-341.	1.7	79
9	Respiratory Syncytial Virus Infection and Bronchiolitis. Pediatrics in Review, 2014, 35, 519-530.	0.4	76
10	MicroRNA-221 Modulates RSV Replication in Human Bronchial Epithelium by Targeting NGF Expression. PLoS ONE, 2012, 7, e30030.	2.5	74
11	Endothelial cell infection and dysfunction, immune activation in severe COVID-19. Theranostics, 2021, 11, 8076-8091.	10.0	70
12	The Role of Neurotrophins in Inflammation and Allergy. Inflammation and Allergy: Drug Targets, 2010, 9, 173-180.	1.8	63
13	COVIDâ€19 in childhood: Transmission, clinical presentation, complications and risk factors. Pediatric Pulmonology, 2021, 56, 1342-1356.	2.0	63
14	Ongoing developments in RSV prophylaxis: a clinicianâ€™s analysis. Current Opinion in Virology, 2017, 24, 70-78.	5.4	62
15	Neurotrophins and Tonsillar Hypertrophy in Children With Obstructive Sleep Apnea. Pediatric Research, 2007, 62, 489-494.	2.3	61
16	Nerve growth factor expression correlates with severity and outcome of traumatic brain injury in children. European Journal of Paediatric Neurology, 2008, 12, 195-204.	1.6	60
17	Leukotrienes mediate neurogenic inflammation in lungs of young rats infected with respiratory syncytial virus. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L1143-L1150.	2.9	59
18	A Humanized Monoclonal Antibody against Respiratory Syncytial Virus (Palivizumab) Inhibits RSV-Induced Neurogenic-Mediated Inflammation in Rat Airways. Pediatric Research, 2000, 47, 351-356.	2.3	57

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19	NGF Is an Essential Survival Factor for Bronchial Epithelial Cells during Respiratory Syncytial Virus Infection. PLoS ONE, 2009, 4, e6444.	2.5	57
20	Less Air Pollution Leads to Rapid Reduction of Airway Inflammation and Improved Airway Function in Asthmatic Children. Pediatrics, 2009, 123, 1051-1058.	2.1	55
21	Immunomodulatory effects of sensory nerves during respiratory syncytial virus infection in rats. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 285, L105-L113.	2.9	54
22	Persistent Airway Inflammation after Resolution of Respiratory Syncytial Virus Infection in Rats. Pediatric Research, 2004, 55, 657-665.	2.3	52
23	Leukotriene synthesis during respiratory syncytial virus bronchiolitis: Influence of age and atopy. Pediatric Pulmonology, 2005, 40, 285-291.	2.0	52
24	Neural Mechanisms of Respiratory Syncytial Virus-induced Inflammation and Prevention of Respiratory Syncytial Virus Sequelae. American Journal of Respiratory and Critical Care Medicine, 2001, 163, S18-S21.	5.6	51
25	How Exposures to Biologics Influence the Induction and Incidence of Asthma. Environmental Health Perspectives, 2006, 114, 620-626.	6.0	51
26	Neurotrophins Regulate Bone Marrow Stromal Cell IL-6 Expression through the MAPK Pathway. PLoS ONE, 2010, 5, e9690.	2.5	48
27	Respiratory Syncytial Virus Infection in Human Bone Marrow Stromal Cells. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 277-286.	2.9	48
28	Tachykinin Peptides, Receptors, and Peptidases in Airway Disease. Experimental Lung Research, 1995, 21, 809-834.	1.2	47
29	Metabolic Asthma. Immunology and Allergy Clinics of North America, 2014, 34, 777-784.	1.9	44
30	Elevated IL-3 and IL-12p40 levels in the lower airway of infants with RSV-induced bronchiolitis correlate with recurrent wheezing. Cytokine, 2015, 76, 417-423.	3.2	44
31	Palivizumab in the prophylaxis of respiratory syncytial virus infection. Expert Review of Anti-Infective Therapy, 2005, 3, 719-726.	4.4	41
32	Respiratory syncytial virus and asthma. Current Opinion in Pediatrics, 2013, 25, 344-349.	2.0	40
33	Disruption of the airway epithelial barrier in a murine model of respiratory syncytial virus infection. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L358-L368.	2.9	40
34	Effects of Titanium Dioxide Nanoparticle Exposure on Neuroimmune Responses in Rat Airways. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2010, 73, 1353-1369.	2.3	38
35	Vertical Transmission of Respiratory Syncytial Virus Modulates Pre- and Postnatal Innervation and Reactivity of Rat Airways. PLoS ONE, 2013, 8, e61309.	2.5	35
36	Sinus and adenoid inflammation in children with chronic rhinosinusitis and asthma. Annals of Allergy, Asthma and Immunology, 2015, 114, 103-110.	1.0	35

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37	Maternal high-fat hypercaloric diet during pregnancy results in persistent metabolic and respiratory abnormalities in offspring. Pediatric Research, 2016, 79, 278-286.	2.3	34
38	Biomarkers of respiratory syncytial virus (RSV) infection: specific neutrophil and cytokine levels provide increased accuracy in predicting disease severity. Paediatric Respiratory Reviews, 2015, 16, 232-240.	1.8	33
39	Effect of Respiratory Syncytial Virus on Apnea in Weanling Rats. Pediatric Research, 2005, 57, 819-825.	2.3	32
40	cAMP-dependent activation of protein kinase A attenuates respiratory syncytial virus-induced human airway epithelial barrier disruption. PLoS ONE, 2017, 12, e0181876.	2.5	31
41	Alternative mechanisms for respiratory syncytial virus (RSV) infection and persistence: could RSV be transmitted through the placenta and persist into developing fetal lungs?. Current Opinion in Pharmacology, 2014, 16, 82-88.	3.5	29
42	Nerve growth factor modulates human rhinovirus infection in airway epithelial cells by controlling ICAM-1 expression. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L1057-L1066.	2.9	28
43	Detection of airborne respiratory syncytial virus in a pediatric acute care clinic. Pediatric Pulmonology, 2017, 52, 684-688.	2.0	26
44	Titanium dioxide nanoparticles exaggerate respiratory syncytial virus-induced airway epithelial barrier dysfunction. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L481-L496.	2.9	24
45	Enterovirus D68: A clinically important respiratory enterovirus. Cleveland Clinic Journal of Medicine, 2015, 82, 26-31.	1.3	23
46	Induction of high-mobility group Box-1 in vitro and in vivo by respiratory syncytial virus. Pediatric Research, 2018, 83, 1049-1056.	2.3	22
47	Ruthenium red, but not capsazepine reduces plasma extravasation by cigarette smoke in rat airways. British Journal of Pharmacology, 1993, 108, 646-650.	5.4	21
48	Effects of Vertical Transmission of Respiratory Viruses to the Offspring. Frontiers in Immunology, 2022, 13, 853009.	4.8	21
49	Detection of respiratory syncytial virus (RSV) at birth in a newborn with respiratory distress. Pediatric Pulmonology, 2017, 52, E81-E84.	2.0	20
50	Mediastinal lymphadenopathy caused byMycobacterium avium-intracellulare complex in a child with normal immunity: Successful treatment with anti-mycobacterial drugs and laser bronchoscopy. , 1997, 24, 287-291.		19
51	Pathophysiological mechanisms for the respiratory syncytial virus-reactive airway disease link. Respiratory Research, 2002, 3, S21-5.	3.6	18
52	Prenatal Exposure to Respiratory Syncytial Virus Alters Postnatal Immunity and Airway Smooth Muscle Contractility during Early-Life Reinfections. PLoS ONE, 2017, 12, e0168786.	2.5	18
53	Asthma predisposition and respiratory syncytial virus infection modulate transient receptor potential vanilloid 1 function in children's airways. Journal of Allergy and Clinical Immunology, 2018, 141, 414-416.e4.	2.9	17
54	Parent-reported asthma in Puerto Rican children. Pediatric Pulmonology, 2004, 37, 453-460.	2.0	16

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55	Nanoparticles-induced apoptosis of human airway epithelium is mediated by proNGF/p75^{NTR} signaling. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 53-68.	2.3	16
56	A comparison of hospitalized children with enterovirus D68 to those with rhinovirus. Pediatric Pulmonology, 2017, 52, 827-832.	2.0	15
57	Nanoparticles increase human bronchial epithelial cell susceptibility to respiratory syncytial virus infection via nerve growth factor-induced autophagy. Physiological Reports, 2017, 5, e13344.	1.7	15
58	Respiratory syncytial virus exhibits differential tropism for distinct human placental cell types with Hofbauer cells acting as a permissive reservoir for infection. PLoS ONE, 2019, 14, e0225767.	2.5	15
59	Transformational and Transactional Leadership in Healthcare Seen Through the Lens of Pediatrics. Journal of Pediatrics, 2019, 204, 7-9.e1.	1.8	15
60	Pharmacological management of acute bronchiolitis. Therapeutics and Clinical Risk Management, 2008, Volume 4, 895-903.	2.0	13
61	Combined effects of chronic nicotine and acute virus exposure on neurotrophin expression in rat lung. Pediatric Pulmonology, 2009, 44, 1075-1084.	2.0	13
62	Effects of maternalâ˜fetal transmission of viruses and other environmental agents on lung development. Pediatric Research, 2020, 87, 420-426.	2.3	12
63	RSV-induced changes in a 3-dimensional organoid model of human fetal lungs. PLoS ONE, 2022, 17, e0265094.	2.5	12
64	Nerve growth factor mediates steroid-resistant inflammation in respiratory syncytial virus infection. Pediatric Pulmonology, 2007, 42, 496-504.	2.0	11
65	RSV attenuates epithelial cell restitution by inhibiting actin cytoskeleton-dependent cell migration. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L189-L203.	2.9	11
66	Social Media in Pediatrics: A Call for Guidelines. Journal of Pediatrics, 2015, 166, 511-512.	1.8	10
67	Respiratory syncytial virus seropositivity at birth is associated with adverse neonatal respiratory outcomes. Pediatric Pulmonology, 2020, 55, 3074-3079.	2.0	10
68	RSV infection potentiates TRPV₁-mediated calcium transport in bronchial epithelium of asthmatic children. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L1074-L1084.	2.9	10
69	Neuroimmune interactions in respiratory syncytial virus-infected airways. Pediatric Infectious Disease Journal, 2002, 21, 462-467.	2.0	9
70	Associations of Metabolic and Obstetric Risk Parameters with Timing of Lactogenesis II. Nutrients, 2022, 14, 876.	4.1	8
71	Anti-inflammatory effect of albuterol enantiomers during respiratory syncytial virus infection in rats. Pediatric Pulmonology, 2005, 40, 228-234.	2.0	7
72	Respiratory syncytial virus induces Î² ₂ -adrenergic receptor dysfunction in human airway smooth muscle cells. Science Signaling, 2021, 14, .	3.6	6

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73	Serum neurotrophins at birth correlate with respiratory and neurodevelopmental outcomes of premature infants. Pediatric Pulmonology, 2019, 54, 303-312.	2.0	5
74	Small Airways Disease in Asthma. Current Respiratory Medicine Reviews, 2006, 2, 279-283.	0.2	1
75	Taking Precise Aim at Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 255-256.	5.6	1
76	Advances in viral respiratory infections: new experimental models. Drug Discovery Today: Disease Models, 2004, 1, 303-309.	1.2	0
77	In My Opinionâ€"Interview with the Expert. Pediatric Asthma, Allergy and Immunology, 2008, 21, 55-58.	0.2	0
78	Neuro-Immune Interactions in RSV-Infected Airways. Japanese Journal of Pediatric Pulmonology, 2003, 14, 35-36.	0.0	0
79	Effect of Intra-nasal Inoculation of Respiratory Syncytial Virus (RSV) on Neurogenic Inflammation And Permeability in Rat Airway. â€ 1807. Pediatric Research, 1997, 41, 304-304.	2.3	0