

# Gustavo Nino

## List of Publications by Year in descending order

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Version: 2024-02-01

106  
papers

1,745  
citations

361413  
20  
h-index

361022  
35  
g-index

108  
all docs

108  
docs citations

108  
times ranked

2237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining Age-related OSA Features in Robin Sequence Using Polysomnographic-based Analyses of Respiratory Arousal Responses and Gas-exchange Parameters. Cleft Palate-Craniofacial Journal, 2023, 60, 142-150.	0.9	2
2	Predicting Failure of Non-Invasive Ventilation With RAM Cannula in Bronchiolitis. Journal of Intensive Care Medicine, 2022, 37, 120-127.	2.8	5
3	Human neonatal and infant airway epithelial biology: the new frontier for developmental immunology. Expert Review of Respiratory Medicine, 2022, , 1-3.	2.5	1
4	Developing artificial intelligence technology for pediatric pulmonology: Lessons from COVID-19. Pediatric Pulmonology, 2022, 57, 1588-1589.	2.0	3
5	The Next Frontier of Prematurity: Predicting Respiratory Morbidity During the First Two Years of Life in Extremely Premature Babies. Cureus, 2022, 14, e23505.	0.5	0
6	Pediatric sleep apnea and viral respiratory infections: what do clinicians need to know?. Expert Review of Respiratory Medicine, 2022, 16, 253-255.	2.5	3
7	0532 Defining Sleep Architecture in Pediatric Patients with Prader Willi Syndrome. Sleep, 2022, 45, A234-A235.	1.1	0
8	Emergency department-initiated home oxygen for viral bronchiolitis: A cost-effectiveness analysis. Pediatric Pulmonology, 2022, 57, 2154-2160.	2.0	1
9	Central breathing abnormalities in children with trisomy 21: Effect of age, sex, and concomitant OSA. Pediatric Pulmonology, 2021, 56, 472-478.	2.0	7
10	Effects of COVID-19 pandemic on adherence to obstructive sleep apnea therapy: A case report. Clinical Case Reports (discontinued), 2021, 9, 12-14.	0.5	5
11	Cost-effectiveness analysis of phenotypic-guided versus guidelines-guided bronchodilator therapy in viral bronchiolitis. Pediatric Pulmonology, 2021, 56, 187-195.	2.0	4
12	Pediatric Lung Imaging features of COVID-19: A systematic review and meta-analysis. Pediatric Pulmonology, 2021, 56, 252-263.	2.0	42
13	For which infants with viral bronchiolitis could it be deemed appropriate to use albuterol, at least on a therapeutic trial basis?. Allergologia Et Immunopathologia, 2021, 49, 153-158.	1.7	10
14	Airway Remodeling Factors During Early-Life Rhinovirus Infection and the Effect of Premature Birth. Frontiers in Pediatrics, 2021, 9, 610478.	1.9	11
15	Single-cell characterization of a model of poly I:C-stimulated peripheral blood mononuclear cells in severe asthma. Respiratory Research, 2021, 22, 122.	3.6	8
16	IFN Stimulates ACE2 Expression in Pediatric Airway Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 515-518.	2.9	11
17	Maternal pre-pregnancy weight and early life lower respiratory tract infections in a low-income urban minority birth cohort. Scientific Reports, 2021, 11, 9790.	3.3	7
18	Defining the patterns of PAP adherence in pediatric obstructive sleep apnea: a clustering analysis using real-world data. Journal of Clinical Sleep Medicine, 2021, 17, 1005-1013.	2.6	12

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19	Early Microbialâ€“Immune Interactions and Innate Immune Training of the Respiratory System during Health and Disease. <i>Children</i> , 2021, 8, 413.	1.5	10
20	The interplay between airway epithelium and the immune system â€“ A primer for the respiratory clinician. <i>Paediatric Respiratory Reviews</i> , 2021, 38, 2-8.	1.8	2
21	Budesonide/formoterol as maintenance and reliever therapy compared to fixed-budesonide/formoterol plus albuterol reliever for pediatric asthma: A cost-utility analysis in Colombia. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 3816-3818.e2.	3.8	8
22	The airway epithelium during infancy and childhood: A complex multicellular immune barrier. Basic review for clinicians. <i>Paediatric Respiratory Reviews</i> , 2021, 38, 9-15.	1.8	4
23	Genes, environment, and developmental timing: New insights from translational approaches to understand early origins of respiratory diseases. <i>Pediatric Pulmonology</i> , 2021, 56, 3157-3165.	2.0	4
24	Lower respiratory tract infections in early life are associated with obstructive sleep apnea diagnosis during childhood in a large birth cohort. <i>Sleep</i> , 2021, 44, .	1.1	9
25	Federated learning for predicting clinical outcomes in patients with COVID-19. <i>Nature Medicine</i> , 2021, 27, 1735-1743.	30.7	300
26	Chest Xâ€“ray lung imaging features in pediatric COVIDâ€“19 and comparison with viral lower respiratory infections in young children. <i>Pediatric Pulmonology</i> , 2021, 56, 3891-3898.	2.0	6
27	The impact of viral bronchiolitis phenotyping: Is it time to consider phenotype-specific responses to individualize pharmacological management?. <i>Paediatric Respiratory Reviews</i> , 2020, 34, 53-58.	1.8	14
28	A Generic Approach to Lung Field Segmentation From Chest Radiographs Using Deep Space and Shape Learning. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1206-1220.	4.2	13
29	TSLP Production in the Human Infant Airway Epithelium and Clinical Relevance during Viral Respiratory Infections. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 62, 115-117.	2.9	8
30	Bedside clinical assessment predicts recurrence after hospitalization due to viral lower respiratory tract infection in young children. <i>Journal of Investigative Medicine</i> , 2020, 68, 756-761.	1.6	4
31	Panel 2- recent advance in otitis media bioinformatics. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 130, 109834.	1.0	0
32	The use of Î² <sub>2</sub> -adrenoreceptor agonists in viral bronchiolitis: scientific rationale beyond evidence-based guidelines. <i>ERJ Open Research</i> , 2020, 6, 00135-2020.	2.6	9
33	Characterization of Sex-based Genetic Differences in Antibody-associated Childhood Arthritis. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, AB34.	2.9	0
34	Epigenetic Dynamics of the Infant Immune System Reveals a Tumor Necrosis Factor Superfamily Signature in Early Human Life. <i>Epigenomes</i> , 2020, 4, 12.	1.8	3
35	Epigenomics and Early Life Human Humoral Immunity: Novel Paradigms and Research Opportunities. <i>Frontiers in Immunology</i> , 2020, 11, 1766.	4.8	3
36	Innate IFNâ€“lambda responses to dsRNA in the human infant airway epithelium and clinical regulatory factors during viral respiratory infections in early life. <i>Clinical and Experimental Allergy</i> , 2020, 50, 1044-1054.	2.9	13

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37	Validation of a new predictive model to improve risk stratification in bronchopulmonary dysplasia. Scientific Reports, 2020, 10, 613.	3.3	7
38	Phenotypical Sub-setting of the First Episode of Severe Viral Respiratory Infection Based on Clinical Assessment and Underlying Airway Disease: A Pilot Study. Frontiers in Pediatrics, 2020, 8, 121.	1.9	12
39	Airway mir-155 responses are associated with TH1 cytokine polarization in young children with viral respiratory infections. PLoS ONE, 2020, 15, e0233352.	2.5	22
40	Challenges and Clinical Implications of the Diagnosis of Cytomegalovirus Lung Infection in Children. Current Infectious Disease Reports, 2019, 21, 24.	3.0	17
41	Soluble Markers of Antibody Secreting Cell Function as Predictors of Infection Risk in Rheumatoid Arthritis. Journal of Immunology Research, 2019, 2019, 1-10.	2.2	9
42	Human primary middle ear epithelial cell culture: A novel in vitro model to study otitis media. Laryngoscope Investigative Otolaryngology, 2019, 4, 663-672.	1.5	9
43	Asthma is associated with increased probability of needing CPAP in children with severe obstructive sleep apnea. Pediatric Pulmonology, 2019, 54, 342-347.	2.0	13
44	Pulp revascularization with and without platelet-rich plasma in two anterior teeth with horizontal radicular fractures: a case report. Restorative Dentistry & Endodontics, 2019, 44, e35.	1.5	7
45	Characterization of Sex-Based Dna Methylation Signatures in the Airways During Early Life. Scientific Reports, 2018, 8, 5526.	3.3	12
46	MRI determination of volumes for the upper airway and pharyngeal lymphoid tissue in preterm and term infants. Clinical Imaging, 2018, 50, 51-56.	1.5	10
47	Impaired type I interferon regulation in the blood transcriptome of recurrent asthma exacerbations. BMC Medical Genomics, 2018, 11, 21.	1.5	10
48	Predictors of Prolonged Length of Hospital Stay for Infants with Bronchiolitis. Journal of Investigative Medicine, 2018, 66, 986-991.	1.6	17
49	Systematic review of instruments aimed at evaluating the severity of bronchiolitis. Paediatric Respiratory Reviews, 2018, 25, 43-57.	1.8	18
50	Clinical Definition of Respiratory Viral Infections in Young Children and Potential Bronchiolitis Misclassification. Journal of Investigative Medicine, 2018, 66, 46-51.	1.6	20
51	Phenotypical characterization of human rhinovirus infections in severely premature children. Pediatrics and Neonatology, 2018, 59, 244-250.	0.9	6
52	Pulmonary inflammatory myofibroblastic tumour misdiagnosed as a round pneumonia. BMJ Case Reports, 2018, 2018, bcr-2017-224091.	0.5	2
53	O790 Disparities in Severe Obstructive Sleep Apnea Diagnosis among Inner-city Children. Sleep, 2018, 41, A293-A294.	1.1	3
54	Characterization of mucoid and serous middle ear effusions from patients with chronic otitis media: implication of different biological mechanisms?. Pediatric Research, 2018, 84, 296-305.	2.3	27

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55	Children's Environmental Health in the Digital Era: Understanding Early Screen Exposure as a Preventable Risk Factor for Obesity and Sleep Disorders. <i>Children</i> , 2018, 5, 31.	1.5	22
56	LungAIR: an automated technique to predict hospitalization due to LRTI using fused information. , 2018, , .		0
57	A systematic review of instruments aimed at evaluating metered-dose inhaler administration technique in children. <i>Journal of Asthma</i> , 2017, 54, 173-185.	1.7	9
58	Marginal shape deep learning: applications to pediatric lung field segmentation. <i>Proceedings of SPIE</i> , 2017, 10133, .	0.8	7
59	Purification and characterization of microRNAs within middle ear fluid exosomes: implication in otitis media pathophysiology. <i>Pediatric Research</i> , 2017, 81, 911-918.	2.3	20
60	Nasopharyngeal Microbiome in Premature Infants and Stability during Rhinovirus Infection. <i>Journal of Investigative Medicine</i> , 2017, 65, 984-990.	1.6	16
61	Conditional reprogramming of pediatric airway epithelial cells: A new human model to investigate early-life respiratory disorders. <i>Pediatric Allergy and Immunology</i> , 2017, 28, 810-817.	2.6	30
62	Age-Related Effect of Viral-Induced Wheezing in Severe Prematurity. <i>Children</i> , 2016, 3, 19.	1.5	5
63	Airway Secretory microRNAome Changes during Rhinovirus Infection in Early Childhood. <i>PLoS ONE</i> , 2016, 11, e0162244.	2.5	48
64	Novel Mutation of Interferon- $\beta$ Receptor 1 Gene Presenting as Early Life Mycobacterial Bronchial Disease. <i>Journal of Investigative Medicine High Impact Case Reports</i> , 2016, 4, 232470961667546.	0.6	7
65	Impact of Obesity on Clinical Outcomes in Urban Children Hospitalized for Status Asthmaticus. <i>Hospital Pediatrics</i> , 2016, 6, 211-218.	1.3	28
66	Premature Infants Rehospitalized because of an Apparent Life-Threatening Event Had Distinctive Autonomic Developmental Trajectories. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 379-381.	5.6	17
67	Automatic tissue characterization of air trapping in chest radiographs using deep neural networks. , 2016, 2016, 97-100.		6
68	Preoperative evaluation and comprehensive risk assessment for children with Down syndrome. <i>Paediatric Anaesthesia</i> , 2016, 26, 356-362.	1.1	61
69	Human Metapneumovirus Infection is Associated with Severe Respiratory Disease in Preschool Children with History of Prematurity. <i>Pediatrics and Neonatology</i> , 2016, 57, 27-34.	0.9	16
70	Stable Isotope Labeled by Amino Acid in Culture (Silac) Strategy to Analyze Human Middle Ear Epithelial Cells (HMEEC) Secretome in Response to Nthi Lysates: Evidence of the Implication of in Otitis Media. <i>Journal of Investigative Medicine</i> , 2016, 64, 806-806.	1.6	0
71	Severity quantification of pediatric viral respiratory illnesses in chest X-ray images. , 2015, 2015, 165-8.		8
72	Pharmacologically-induced mitotic synchrony in airway epithelial cells as a mechanism of action of anti-inflammatory drugs. <i>Respiratory Research</i> , 2015, 16, 132.	3.6	4

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73	Rhinovirus-Induced Airway Disease: A Model to Understand the Antiviral and Th2 Epithelial Immune Dysregulation in Childhood Asthma. <i>Journal of Investigative Medicine</i> , 2015, 63, 792-795.	1.6	9
74	Respiratory syncytial virus, adenoviruses, and mixed acute lower respiratory infections in children in a developing country. <i>Journal of Medical Virology</i> , 2015, 87, 774-781.	5.0	27
75	Rhinovirus-induced airway cytokines and respiratory morbidity in severely premature children. <i>Pediatric Allergy and Immunology</i> , 2015, 26, 145-152.	2.6	37
76	Premature infants have impaired airway antiviral IFN $\gamma$ responses to human metapneumovirus compared to respiratory syncytial virus. <i>Pediatric Research</i> , 2015, 78, 389-394.	2.3	26
77	Validation of the Spanish version of the Pediatric Asthma Caregiver Quality of Life Questionnaire (PACQLQ) in a population of Hispanic children. <i>Journal of Asthma</i> , 2015, 52, 749-754.	1.7	5
78	Adolescent form of sporadic lymphangioleiomyomatosis (S-LAM). <i>Allergologia Et Immunopathologia</i> , 2015, 43, 111-114.	1.7	1
79	Cost-utility analysis of daily versus intermittent inhaled corticosteroids in mild-persistent asthma. <i>Pediatric Pulmonology</i> , 2015, 50, 735-746.	2.0	18
80	Characterization of Cytomegalovirus Lung Infection in Non-HIV Infected Children. <i>Viruses</i> , 2014, 6, 2038-2051.	3.3	27
81	Rhinovirus infection in young children is associated with elevated airway TSLP levels. <i>European Respiratory Journal</i> , 2014, 44, 1075-1078.	6.7	45
82	Predictors of severity and mortality in children hospitalized with respiratory syncytial virus infection in a tropical region. <i>Pediatric Pulmonology</i> , 2014, 49, 269-276.	2.0	72
83	Validation of the Spanish Version of the Test for Respiratory and Asthma Control in Kids (TRACK) in a Population of Hispanic Preschoolers. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2014, 2, 326-331.e3.	3.8	12
84	Validation of the Spanish version of the childhood asthma control test (cACT) in a population of Hispanic children. <i>Journal of Asthma</i> , 2014, 51, 855-862.	1.7	16
85	The Link between Rhinitis and Rapid-Eye-Movement Sleep Breathing Disturbances in Children with Obstructive Sleep Apnea. <i>American Journal of Rhinology and Allergy</i> , 2014, 28, e56-e61.	2.0	16
86	Directional Secretory Response of Double Stranded RNA-Induced Thymic Stromal Lymphopoietin (TSLP) and CCL11/Eotaxin-1 in Human Asthmatic Airways. <i>PLoS ONE</i> , 2014, 9, e115398.	2.5	34
87	Phenotypical Features of Obstructive Sleep Apnea (OSA) in Children with Chronic Rhinitis. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, AB41.	2.9	1
88	Validation of a scale to assess the severity of bronchiolitis in a population of hospitalized infants. <i>Journal of Asthma</i> , 2013, 50, 1056-1061.	1.7	61
89	Oximetry Signal Processing Identifies REM Sleep-Related Vulnerability Trait in Asthmatic Children. <i>Sleep Disorders</i> , 2013, 2013, 1-6.	1.4	10
90	Nocturnal phenotypical features of obstructive sleep apnea (OSA) in asthmatic children. <i>Pediatric Pulmonology</i> , 2013, 48, 592-600.	2.0	36

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91	Robust spectral analysis of thoraco-abdominal motion and oxymetry in obstructive sleep apnea. , 2013, 2906-10.		3
92	Severe Onychophagia and Finger Mutilation Associated with Obstructive Sleep Apnea. Journal of Clinical Sleep Medicine, 2013, 09, 379-381.	2.6	5
93	Pro-Asthmatic Cytokines Regulate Unliganded and Ligand-Dependent Glucocorticoid Receptor Signaling in Airway Smooth Muscle. PLoS ONE, 2013, 8, e60452.	2.5	16
94	IL-13-induced changes in endogenous glucocorticoid metabolism in the lung regulate the proasthmatic response. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L382-L390.	2.9	11
95	Residual NADPH Oxidase Activity and Isolated Lung Involvement in X-Linked Chronic Granulomatous Disease. Case Reports in Pediatrics, 2012, 2012, 1-6.	0.4	6
96	Abdominal Adiposity Correlates with Adenotonsillectomy Outcome in Obese Adolescents with Severe Obstructive Sleep Apnea. Pulmonary Medicine, 2012, 2012, 1-8.	1.9	11
97	G Protein $\beta\gamma$ -Subunit Signaling Mediates Airway Hyperresponsiveness and Inflammation in Allergic Asthma. PLoS ONE, 2012, 7, e32078.	2.5	20
98	Scientific Rationale for the Use of Alpha-Adrenergic Agonists and Glucocorticoids in the Therapy of Pediatric Stridor. International Journal of Otolaryngology, 2011, 2011, 1-12.	0.9	2
99	Current concepts on the use of glucocorticosteroids and beta-2-adrenoreceptor agonists to treat childhood asthma. Current Opinion in Pediatrics, 2010, 22, 290-295.	2.0	7
100	Mechanism of glucocorticoid protection of airway smooth muscle from proasthmatic effects of long-acting $\beta_2$ -adrenoceptor agonist exposure. Journal of Allergy and Clinical Immunology, 2010, 125, 1020-1027.	2.9	30
101	Th2 cytokine-induced upregulation of 11 $\beta$ -hydroxysteroid dehydrogenase-1 facilitates glucocorticoid suppression of proasthmatic airway smooth muscle function. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 296, L790-L803.	2.9	23
102	Mechanism regulating proasthmatic effects of prolonged homologous $\beta_2$ -adrenergic receptor desensitization in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L746-L757.	2.9	40
103	Use of intrapulmonary percussive ventilation (IPV) in the management of pulmonary complications of an infant with osteogenesis imperfecta. Pediatric Pulmonology, 2009, 44, 1151-1154.	2.0	10
104	The effect of surgically created gastroesophageal reflux on intrapleural pressures in dogs. Translational Research, 2008, 151, 315-321.	5.0	2
105	Prolonged heterologous $\beta_2$ -adrenoceptor desensitization promotes proasthmatic airway smooth muscle function via PKA/ERK1/2-mediated phosphodiesterase-4 induction. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L1055-L1067.	2.9	28
106	Lipid laden macrophage indices and reflux finding score in canine gastroesophageal reflux model. Pediatric Pulmonology, 2007, 42, 1181-1186.	2.0	7