

Gustavo Nino

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

1,745
citations

361045

20
h-index

360668

35
g-index

108
all docs

108
docs citations

108
times ranked

2237
citing authors

#	ARTICLE	IF	CITATIONS
1	Federated learning for predicting clinical outcomes in patients with COVID-19. <i>Nature Medicine</i> , 2021, 27, 1735-1743.	15.2	300
2	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.	1.0	72
3	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.	0.9	61
4	Preoperative evaluation and comprehensive risk assessment for children with Down syndrome. <i>Paediatric Anaesthesia</i> , 2016, 26, 356-362.	0.6	61
5	Airway Secretory microRNAome Changes during Rhinovirus Infection in Early Childhood. <i>PLoS ONE</i> , 2016, 11, e0162244.	1.1	48
6	Rhinovirus infection in young children is associated with elevated airway TSLP levels. <i>European Respiratory Journal</i> , 2014, 44, 1075-1078.	3.1	45
7	Pediatric Lung Imaging features of COVID-19: A systematic review and meta-analysis. <i>Pediatric Pulmonology</i> , 2021, 56, 252-263.	1.0	42
8	Mechanism regulating proasthmatic effects of prolonged homologous β_2 -adrenergic receptor desensitization in airway smooth muscle. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 297, L746-L757.	1.3	40
9	Rhinovirus-induced airway cytokines and respiratory morbidity in severely premature children. <i>Pediatric Allergy and Immunology</i> , 2015, 26, 145-152.	1.1	37
10	Nocturnal phenotypical features of obstructive sleep apnea (OSA) in asthmatic children. <i>Pediatric Pulmonology</i> , 2013, 48, 592-600.	1.0	36
11	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.	1.1	34
12	Mechanism of glucocorticoid protection of airway smooth muscle from proasthmatic effects of long-acting β_2 -adrenoceptor agonist exposure. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 1020-1027.	1.5	30
13	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.	1.1	30
14	Prolonged heterologous β_2 -adrenoceptor desensitization promotes proasthmatic airway smooth muscle function via PKA/ERK1/2-mediated phosphodiesterase-4 induction. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 294, L1055-L1067.	1.3	28
15	Impact of Obesity on Clinical Outcomes in Urban Children Hospitalized for Status Asthmaticus. <i>Hospital Pediatrics</i> , 2016, 6, 211-218.	0.6	28
16	Characterization of Cytomegalovirus Lung Infection in Non-HIV Infected Children. <i>Viruses</i> , 2014, 6, 2038-2051.	1.5	27
17	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.	2.5	27
18	Characterization of mucoid and serous middle ear effusions from patients with chronic otitis media: implication of different biological mechanisms?. <i>Pediatric Research</i> , 2018, 84, 296-305.	1.1	27

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19	Premature infants have impaired airway antiviral IFN γ responses to human metapneumovirus compared to respiratory syncytial virus. <i>Pediatric Research</i> , 2015, 78, 389-394.	1.1	26
20	Th2 cytokine-induced upregulation of 11 β -hydroxysteroid dehydrogenase-1 facilitates glucocorticoid suppression of proasthmatic airway smooth muscle function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 296, L790-L803.	1.3	23
21	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.	0.6	22
22	Airway mir-155 responses are associated with TH1 cytokine polarization in young children with viral respiratory infections. <i>PLoS ONE</i> , 2020, 15, e0233352.	1.1	22
23	Purification and characterization of microRNAs within middle ear fluid exosomes: implication in otitis media pathophysiology. <i>Pediatric Research</i> , 2017, 81, 911-918.	1.1	20
24	Clinical Definition of Respiratory Viral Infections in Young Children and Potential Bronchiolitis Misclassification. <i>Journal of Investigative Medicine</i> , 2018, 66, 46-51.	0.7	20
25	G Protein $\beta\gamma$ -Subunit Signaling Mediates Airway Hyperresponsiveness and Inflammation in Allergic Asthma. <i>PLoS ONE</i> , 2012, 7, e32078.	1.1	20
26	Cost-effectiveness analysis of daily versus intermittent inhaled corticosteroids in mild-to-moderate persistent asthma. <i>Pediatric Pulmonology</i> , 2015, 50, 735-746.	1.0	18
27	Systematic review of instruments aimed at evaluating the severity of bronchiolitis. <i>Paediatric Respiratory Reviews</i> , 2018, 25, 43-57.	1.2	18
28	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.	2.5	17
29	Predictors of Prolonged Length of Hospital Stay for Infants with Bronchiolitis. <i>Journal of Investigative Medicine</i> , 2018, 66, 986-991.	0.7	17
30	Challenges and Clinical Implications of the Diagnosis of Cytomegalovirus Lung Infection in Children. <i>Current Infectious Disease Reports</i> , 2019, 21, 24.	1.3	17
31	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.	0.9	16
32	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.	1.0	16
33	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.	0.3	16
34	Nasopharyngeal Microbiome in Premature Infants and Stability during Rhinovirus Infection. <i>Journal of Investigative Medicine</i> , 2017, 65, 984-990.	0.7	16
35	Pro-Asthmatic Cytokines Regulate Unliganded and Ligand-Dependent Glucocorticoid Receptor Signaling in Airway Smooth Muscle. <i>PLoS ONE</i> , 2013, 8, e60452.	1.1	16
36	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.	1.2	14

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37	Asthma is associated with increased probability of needing CPAP in children with severe obstructive sleep apnea. <i>Pediatric Pulmonology</i> , 2019, 54, 342-347.	1.0	13
38	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.	2.5	13
39	Innate IFN λ 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.	1.4	13
40	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.	2.0	12
41	Characterization of Sex-Based Dna Methylation Signatures in the Airways During Early Life. <i>Scientific Reports</i> , 2018, 8, 5526.	1.6	12
42	Phenotypical Sub-setting of the First Episode of Severe Viral Respiratory Infection Based on Clinical Assessment and Underlying Airway Disease: A Pilot Study. <i>Frontiers in Pediatrics</i> , 2020, 8, 121.	0.9	12
43	Defining the patterns of PAP adherence in pediatric obstructive sleep apnea: a clustering analysis using real-world data. <i>Journal of Clinical Sleep Medicine</i> , 2021, 17, 1005-1013.	1.4	12
44	IL-13-induced changes in endogenous glucocorticoid metabolism in the lung regulate the proasthmatic response. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 303, L382-L390.	1.3	11
45	Abdominal Adiposity Correlates with Adenotonsillectomy Outcome in Obese Adolescents with Severe Obstructive Sleep Apnea. <i>Pulmonary Medicine</i> , 2012, 2012, 1-8.	0.5	11
46	Airway Remodeling Factors During Early-Life Rhinovirus Infection and the Effect of Premature Birth. <i>Frontiers in Pediatrics</i> , 2021, 9, 610478.	0.9	11
47	IFN Stimulates ACE2 Expression in Pediatric Airway Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 515-518.	1.4	11
48	Use of intrapulmonary percussive ventilation (IPV) in the management of pulmonary complications of an infant with osteogenesis imperfecta. <i>Pediatric Pulmonology</i> , 2009, 44, 1151-1154.	1.0	10
49	Oximetry Signal Processing Identifies REM Sleep-Related Vulnerability Trait in Asthmatic Children. <i>Sleep Disorders</i> , 2013, 2013, 1-6.	0.8	10
50	MRI determination of volumes for the upper airway and pharyngeal lymphoid tissue in preterm and term infants. <i>Clinical Imaging</i> , 2018, 50, 51-56.	0.8	10
51	Impaired type I interferon regulation in the blood transcriptome of recurrent asthma exacerbations. <i>BMC Medical Genomics</i> , 2018, 11, 21.	0.7	10
52	For which infants with viral bronchiolitis could it be deemed appropriate to use albuterol, at least on a therapeutic trial basis?. <i>Allergologia Et Immunopathologia</i> , 2021, 49, 153-158.	1.0	10
53	Early Microbial-Immune Interactions and Innate Immune Training of the Respiratory System during Health and Disease. <i>Children</i> , 2021, 8, 413.	0.6	10
54	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.	0.7	9

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55	A systematic review of instruments aimed at evaluating metered-dose inhaler administration technique in children. <i>Journal of Asthma</i> , 2017, 54, 173-185.	0.9	9
56	Soluble Markers of Antibody Secreting Cell Function as Predictors of Infection Risk in Rheumatoid Arthritis. <i>Journal of Immunology Research</i> , 2019, 2019, 1-10.	0.9	9
57	Human primary middle ear epithelial cell culture: A novel in vitro model to study otitis media. <i>Laryngoscope Investigative Otolaryngology</i> , 2019, 4, 663-672.	0.6	9
58	The use of β_2 -adrenoreceptor agonists in viral bronchiolitis: scientific rationale beyond evidence-based guidelines. <i>ERJ Open Research</i> , 2020, 6, 00135-2020.	1.1	9
59	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, .	0.6	9
60	Severity quantification of pediatric viral respiratory illnesses in chest X-ray images. , 2015, 2015, 165-8.		8
61	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.	1.4	8
62	Single-cell characterization of a model of poly I:C-stimulated peripheral blood mononuclear cells in severe asthma. <i>Respiratory Research</i> , 2021, 22, 122.	1.4	8
63	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.	2.0	8
64	Lipid laden macrophage indices and reflux finding score in canine gastroesophageal reflux model. <i>Pediatric Pulmonology</i> , 2007, 42, 1181-1186.	1.0	7
65	Current concepts on the use of glucocorticosteroids and beta-2-adrenoreceptor agonists to treat childhood asthma. <i>Current Opinion in Pediatrics</i> , 2010, 22, 290-295.	1.0	7
66	Novel Mutation of Interferon- β Receptor 1 Gene Presenting as Early Life Mycobacterial Bronchial Disease. <i>Journal of Investigative Medicine High Impact Case Reports</i> , 2016, 4, 232470961667546.	0.3	7
67	Marginal shape deep learning: applications to pediatric lung field segmentation. <i>Proceedings of SPIE</i> , 2017, 10133, .	0.8	7
68	Validation of a new predictive model to improve risk stratification in bronchopulmonary dysplasia. <i>Scientific Reports</i> , 2020, 10, 613.	1.6	7
69	Central breathing abnormalities in children with trisomy 21: Effect of age, sex, and concomitant OSA. <i>Pediatric Pulmonology</i> , 2021, 56, 472-478.	1.0	7
70	Maternal pre-pregnancy weight and early life lower respiratory tract infections in a low-income urban minority birth cohort. <i>Scientific Reports</i> , 2021, 11, 9790.	1.6	7
71	Pulp revascularization with and without platelet-rich plasma in two anterior teeth with horizontal radicular fractures: a case report. <i>Restorative Dentistry & Endodontics</i> , 2019, 44, e35.	0.6	7
72	Residual NADPH Oxidase Activity and Isolated Lung Involvement in X-Linked Chronic Granulomatous Disease. <i>Case Reports in Pediatrics</i> , 2012, 2012, 1-6.	0.2	6

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73	Automatic tissue characterization of air trapping in chest radiographs using deep neural networks. , 2016, 2016, 97-100.		6
74	Phenotypical characterization of human rhinovirus infections in severely premature children. Pediatrics and Neonatology, 2018, 59, 244-250.	0.3	6
75	Chest X-ray lung imaging features in pediatric COVID-19 and comparison with viral lower respiratory infections in young children. Pediatric Pulmonology, 2021, 56, 3891-3898.	1.0	6
76	Severe Onychophagia and Finger Mutilation Associated with Obstructive Sleep Apnea. Journal of Clinical Sleep Medicine, 2013, 09, 379-381.	1.4	5
77	Validation of the Spanish version of the Pediatric Asthma Caregiver Quality of Life Questionnaire (PACQLQ) in a population of Hispanic children. Journal of Asthma, 2015, 52, 749-754.	0.9	5
78	Age-Related Effect of Viral-Induced Wheezing in Severe Prematurity. Children, 2016, 3, 19.	0.6	5
79	Effects of COVID-19 pandemic on adherence to obstructive sleep apnea therapy: A case report. Clinical Case Reports (discontinued), 2021, 9, 12-14.	0.2	5
80	Predicting Failure of Non-Invasive Ventilation With RAM Cannula in Bronchiolitis. Journal of Intensive Care Medicine, 2022, 37, 120-127.	1.3	5
81	Pharmacologically-induced mitotic synchrony in airway epithelial cells as a mechanism of action of anti-inflammatory drugs. Respiratory Research, 2015, 16, 132.	1.4	4
82	Bedside clinical assessment predicts recurrence after hospitalization due to viral lower respiratory tract infection in young children. Journal of Investigative Medicine, 2020, 68, 756-761.	0.7	4
83	Cost-effectiveness analysis of phenotypic-guided versus guidelines-guided bronchodilator therapy in viral bronchiolitis. Pediatric Pulmonology, 2021, 56, 187-195.	1.0	4
84	The airway epithelium during infancy and childhood: A complex multicellular immune barrier. Basic review for clinicians. Paediatric Respiratory Reviews, 2021, 38, 9-15.	1.2	4
85	Genes, environment, and developmental timing: New insights from translational approaches to understand early origins of respiratory diseases. Pediatric Pulmonology, 2021, 56, 3157-3165.	1.0	4
86	Robust spectral analysis of thoraco-abdominal motion and oxymetry in obstructive sleep apnea. , 2013, 2013, 2906-10.		3
87	0790 Disparities in Severe Obstructive Sleep Apnea Diagnosis among Inner-city Children. Sleep, 2018, 41, A293-A294.	0.6	3
88	Epigenetic Dynamics of the Infant Immune System Reveals a Tumor Necrosis Factor Superfamily Signature in Early Human Life. Epigenomes, 2020, 4, 12.	0.8	3
89	Epigenomics and Early Life Human Humoral Immunity: Novel Paradigms and Research Opportunities. Frontiers in Immunology, 2020, 11, 1766.	2.2	3
90	Developing artificial intelligence technology for pediatric pulmonology: Lessons from COVID-19. Pediatric Pulmonology, 2022, 57, 1588-1589.	1.0	3

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91	Pediatric sleep apnea and viral respiratory infections: what do clinicians need to know?. Expert Review of Respiratory Medicine, 2022, 16, 253-255.	1.0	3
92	The effect of surgically created gastroesophageal reflux on intrapleural pressures in dogs. Translational Research, 2008, 151, 315-321.	2.2	2
93	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.	1.0	2
94	Pulmonary inflammatory myofibroblastic tumour misdiagnosed as a round pneumonia. BMJ Case Reports, 2018, 2018, bcr-2017-224091.	0.2	2
95	The interplay between airway epithelium and the immune system – A primer for the respiratory clinician. Paediatric Respiratory Reviews, 2021, 38, 2-8.	1.2	2
96	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.	0.5	2
97	Phenotypical Features of Obstructive Sleep Apnea (OSA) in Children with Chronic Rhinitis. Journal of Allergy and Clinical Immunology, 2013, 131, AB41.	1.5	1
98	Adolescent form of sporadic lymphangiomyomatosis (S-LAM). Allergologia Et Immunopathologia, 2015, 43, 111-114.	1.0	1
99	Human neonatal and infant airway epithelial biology: the new frontier for developmental immunology. Expert Review of Respiratory Medicine, 2022, , 1-3.	1.0	1
100	Emergency department-initiated home oxygen for viral bronchiolitis: A cost-effectiveness analysis. Pediatric Pulmonology, 2022, 57, 2154-2160.	1.0	1
101	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. Journal of Investigative Medicine, 2016, 64, 806-806.	0.7	0
102	Panel 2- recent advance in otitis media bioinformatics. International Journal of Pediatric Otorhinolaryngology, 2020, 130, 109834.	0.4	0
103	Characterization of Sex-based Genetic Differences in Antibody-associated Childhood Arthritis. Journal of Allergy and Clinical Immunology, 2020, 145, AB34.	1.5	0
104	LungAIR: an automated technique to predict hospitalization due to LRTI using fused information. , 2018, , ,		0
105	The Next Frontier of Prematurity: Predicting Respiratory Morbidity During the First Two Years of Life in Extremely Premature Babies. Cureus, 2022, 14, e23505.	0.2	0
106	0532 Defining Sleep Architecture in Pediatric Patients with Prader Willi Syndrome. Sleep, 2022, 45, A234-A235.	0.6	0