Anthony Bosco

List of Publications by Year
in descending order

68 papers	2,612 citations	201674 27 h-index	206112 48 g-index
72 all docs	72 docs citations	72 times ranked	4298 citing authors

#	Article	IF	Citations
1	Dynamic versus static biomarkers in cancer immune checkpoint blockade: unravelling complexity. Nature Reviews Drug Discovery, 2017, 16, 264-272.	46.4	204
2	Interactions between Innate Antiviral and Atopic Immunoinflammatory Pathways Precipitate and Sustain Asthma Exacerbations in Children. Journal of Immunology, 2009, 183, 2793-2800.	0.8	190
3	Sensitization to immune checkpoint blockade through activation of a STAT1/NK axis in the tumor microenvironment. Science Translational Medicine, 2019, 11, .	12.4	147
4	Toward improved prediction of risk for atopy and asthma among preschoolers: A prospective cohort study. Journal of Allergy and Clinical Immunology, 2010, 125, 653-659.e7.	2.9	128
5	Regulation of Dendritic Cell Recruitment into Resting and Inflamed Airway Epithelium: Use of Alternative Chemokine Receptors as a Function of Inducing Stimulus. Journal of Immunology, 2001, 167, 228-234.	0.8	117
6	Interferon regulatory factor 7 is a major hub connecting interferon-mediated responses in virus-induced asthma exacerbations in vivo. Journal of Allergy and Clinical Immunology, 2012, 129, 88-94.	2.9	111
7	CpG methylation patterns in the IFNγ promoter in naive T cells: Variations during Th1 and Th2 differentiation and between atopics and non-atopics. Pediatric Allergy and Immunology, 2006, 17, 557-564.	2.6	94
8	Epigenome-wide analysis links SMAD3 methylation at birth to asthma in children of asthmatic mothers. Journal of Allergy and Clinical Immunology, 2017, 140, 534-542.	2.9	94
9	Airway Epithelial Cells Regulate the Functional Phenotype of Locally Differentiating Dendritic Cells: Implications for the Pathogenesis of Infectious and Allergic Airway Disease. Journal of Immunology, 2009, 182, 72-83.	0.8	89
10	Respiratory viral infections and host responses; insights from genomics. Respiratory Research, 2016, 17, 156.	3.6	74
11	Allergen-enhanced thrombomodulin (blood dendritic cell antigen 3, CD141) expression on dendritic cells is associated with a TH2-skewed immune response. Journal of Allergy and Clinical Immunology, 2009, 123, 209-216.e4.	2.9	65
12	Distinguishing benign from pathologic TH2 immunity in atopic children. Journal of Allergy and Clinical Immunology, 2016, 137, 379-387.	2.9	64
13	Network analysis of immunotherapy-induced regressing tumours identifies novel synergistic drug combinations. Scientific Reports, 2015, 5, 12298.	3.3	63
14	Airway Epithelial Cell Immunity Is Delayed During Rhinovirus Infection in Asthma and COPD. Frontiers in Immunology, 2020, 11, 974.	4.8	60
15	Interleukin-10/Interleukin-5 Responses at Birth Predict Risk for Respiratory Infections in Children with Atopic Family History. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 205-211.	5.6	57
16	CFTR-dependent defect in alternatively-activated macrophages in cystic fibrosis. Journal of Cystic Fibrosis, 2017, 16, 475-482.	0.7	57
17	The Effects of In Utero Vitamin D Deficiency on Airway Smooth Muscle Mass and Lung Function. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 664-675.	2.9	55
18	Interferon regulatory factor 7 regulates airway epithelial cell responses to human rhinovirus infection. BMC Genomics, 2016, 17, 76.	2.8	50

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19	Rapid recruitment of CD14+ monocytes in experimentally induced allergic rhinitis in human subjects. Journal of Allergy and Clinical Immunology, 2016, 137, 1872-1881.e12.	2.9	48
20	Identification of Novel Th2-Associated Genes in T Memory Responses to Allergens. Journal of Immunology, 2006, 176, 4766-4777.	0.8	44
21	Upper Airway Cell Transcriptomics Identify a Major New Immunological Phenotype with Strong Clinical Correlates in Young Children with Acute Wheezing. Journal of Immunology, 2019, 202, 1845-1858.	0.8	41
22	Isoforms of the Major Peanut Allergen Ara h 2: IgE Binding in Children with Peanut Allergy. International Archives of Allergy and Immunology, 2004, 135, 101-107.	2.1	40
23	<i>In Utero</i> Exposure to Arsenic Alters Lung Development and Genes Related to Immune and Mucociliary Function in Mice. Environmental Health Perspectives, 2013, 121, 244-250.	6.0	38
24	Differential gene network analysis for the identification of asthma-associated therapeutic targets in allergen-specific T-helper memory responses. BMC Medical Genomics, 2016, 9, 9.	1.5	38
25	Assessing the unified airway hypothesis in children via transcriptional profiling of the airway epithelium. Journal of Allergy and Clinical Immunology, 2020, 145, 1562-1573.	2.9	35
26	A Network Modeling Approach to Analysis of the Th2 Memory Responses Underlying Human Atopic Disease. Journal of Immunology, 2009, 182, 6011-6021.	0.8	34
27	Very Early Identification and Intervention for Infants at Risk of Neurodevelopmental Disorders: AÂTransdiagnostic Approach. Child Development Perspectives, 2019, 13, 97-103.	3.9	34
28	QuantSeq. 3â€² Sequencing combined with Salmon provides a fast, reliable approach for high throughput RNA expression analysis. Scientific Reports, 2019, 9, 18895.	3.3	33
29	Pneumococcal conjugate vaccination at birth in a high-risk setting: No evidence for neonatal T-cell tolerance. Vaccine, 2011, 29, 5414-5420.	3.8	31
30	Innate immune activation occurs in acute food proteinâ€"induced enterocolitis syndrome reactions. Journal of Allergy and Clinical Immunology, 2019, 144, 600-602.e2.	2.9	31
31	Personalized Transcriptomics Reveals Heterogeneous Immunophenotypes in Children with Viral Bronchiolitis. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1537-1549.	5.6	28
32	Effect of human rhinovirus infection on airway epithelium tight junction protein disassembly and transepithelial permeability. Experimental Lung Research, 2016, 42, 380-395.	1.2	26
33	A genome-by-environment interaction classifier for precision medicine: personal transcriptome response to rhinovirus identifies children prone to asthma exacerbations. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 1116-1126.	4.4	23
34	Genomic Responses during Acute Human Anaphylaxis Are Characterized by Upregulation of Innate Inflammatory Gene Networks. PLoS ONE, 2014, 9, e101409.	2.5	22
35	A genomics-based approach to assessment of vaccine safety and immunogenicity in children. Vaccine, 2012, 30, 1865-1874.	3.8	21
36	Airway Epithelial Cells Condition Dendritic Cells to Express Multiple Immune Surveillance Genes. PLoS ONE, 2012, 7, e44941.	2.5	19

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37	Insights into respiratory disease through bioinformatics. Respirology, 2018, 23, 1117-1126.	2.3	19
38	Bilateral murine tumor models for characterizing the response to immune checkpoint blockade. Nature Protocols, 2020, 15, 1628-1648.	12.0	19
39	Towards a PBMC â€œvirogram assayâ€for precision medicine: Concordance between ex vivo and in vivo viral infection transcriptomes. Journal of Biomedical Informatics, 2015, 55, 94-103.	4.3	18
40	Persistent activation of interlinked type 2 airway epithelial gene networks in sputum-derived cells from aeroallergen-sensitized symptomatic asthmatics. Scientific Reports, 2018, 8, 1511.	3.3	18
41	Pathogenic Mechanisms of Allergic Inflammation : Atopic Asthma as a Paradigm. Advances in Immunology, 2009, 104, 51-113.	2.2	17
42	Basophil counts in PBMC populations during childhood acute wheeze/asthma are associated with future exacerbations. Journal of Allergy and Clinical Immunology, 2018, 142, 1639-1641.e5.	2.9	16
43	Unlocking immune-mediated disease mechanisms with transcriptomics. Biochemical Society Transactions, 2021, 49, 705-714.	3.4	16
44	Progressive increase of FcÎµRI expression across several PBMC subsets is associated with atopy and atopic asthma within schoolâ€aged children. Pediatric Allergy and Immunology, 2019, 30, 646-653.	2.6	15
45	Using Network Analysis to Understand Severe Asthma Phenotypes. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1409-1411.	5.6	13
46	Intracellular growth of Mycobacterium avium subspecies and global transcriptional responses in human macrophages after infection. BMC Genomics, 2014, 15, 58.	2.8	12
47	Rhinovirus-induced asthma exacerbations and risk populations. Current Opinion in Allergy and Clinical Immunology, 2016, 16, 179-185.	2.3	12
48	Critical Role of Plasmacytoid Dendritic Cells in Regulating Gene Expression and Innate Immune Responses to Human Rhinovirus-16. Frontiers in Immunology, 2017, 8, 1351.	4.8	12
49	Decoding Susceptibility to Respiratory Viral Infections and Asthma Inception in Children. International Journal of Molecular Sciences, 2020, 21, 6372.	4.1	11
50	Rewiring of gene networks underlying mite allergenâ€induced CD4Â+ÂThâ€cell responses during immunotherapy. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 2330-2341.	5.7	11
51	Protection against severe infant lower respiratory tract infections by immune training: Mechanistic studies. Journal of Allergy and Clinical Immunology, 2022, 150, 93-103.	2.9	11
52	Identification of genes differentially regulated by vitamin D deficiency that alter lung pathophysiology and inflammation in allergic airways disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L653-L663.	2.9	10
53	Searching for a technology-driven acute rheumatic fever test: the START study protocol. BMJ Open, 2021, 11, e053720.	1.9	9
54	CD8+XCR1neg Dendritic Cells Express High Levels of Toll-Like Receptor 5 and a Unique Complement of Endocytic Receptors. Frontiers in Immunology, 2018, 9, 2990.	4.8	8

#	ARTICLE	IF	CITATIONS
55	Comment on "Drug Discovery: Turning the Titanic" Science Translational Medicine, 2014, 6, 229le2.	12.4	7
56	Atopy-Dependent and Independent Immune Responses in the Heightened Severity of Atopics to Respiratory Viral Infections: Rat Model Studies. Frontiers in Immunology, 2018, 9, 1805.	4.8	7
57	PPARα and PPARδ activation is associated with pleural mesothelioma invasion but therapeutic inhibition is ineffective. IScience, 2022, 25, 103571.	4.1	7
58	Retinoic Acid Induces an IFN-Driven Inflammatory Tumour Microenvironment, Sensitizing to Immune Checkpoint Therapy. Frontiers in Oncology, 2022, 12, 849793.	2.8	7
59	Small nucleolar RNA networks are up-regulated during human anaphylaxis. Clinical and Experimental Allergy, 2021, 51, 1310-1321.	2.9	5
60	Identifying gene network patterns and associated cellular immune responses in children with or without nut allergy. World Allergy Organization Journal, 2022, 15, 100631.	3.5	5
61	Immunoinflammatory responses to febrile lower respiratory infections in infants display uniquely complex/intense transcriptomic profiles. Journal of Allergy and Clinical Immunology, 2019, 144, 1411-1413.	2.9	4
62	Differential Gene Expression of Lymphocytes Stimulated with Rhinovirus A and C in Children with Asthma. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 202-209.	5.6	4
63	IRF7-Associated Immunophenotypes Have Dichotomous Responses to Virus/Allergen Coexposure and OM-85-Induced Reprogramming. Frontiers in Immunology, 2021, 12, 699633.	4.8	4
64	Multiomics and Systems Biology Are Needed to Unravel the Complex Origins of Chronic Disease. Challenges, 2019, 10, 23.	1.7	3
65	Personal Network Inference Unveils Heterogeneous Immune Response Patterns to Viral Infection in Children with Acute Wheezing. Journal of Personalized Medicine, 2021, 11, 1293.	2.5	3
66	Network using Michaelis–Menten kinetics: constructing an algorithm to find target genes from expression data. Journal of Complex Networks, 0, , .	1.8	1
67	Determinants of House Dust Mite Allergenicity. Allergy and Clinical Immunology International, 2006, 18, 65-70.	0.3	1
68	Directing the Future Breakthroughs in Immunotherapy: The Importance of a Holistic Approach to the Tumour Microenvironment. Cancers, 2021, 13, 5911.	3.7	1