

# Anthony Bosco

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

2,612  
citations

201575

27  
h-index

206029

48  
g-index

72  
all docs

72  
docs citations

72  
times ranked

4298  
citing authors

#	ARTICLE	IF	CITATIONS
1	PPAR $\alpha$ and PPAR $\beta$ activation is associated with pleural mesothelioma invasion but therapeutic inhibition is ineffective. <i>IScience</i> , 2022, 25, 103571.	1.9	7
2	Identifying gene network patterns and associated cellular immune responses in children with or without nut allergy. <i>World Allergy Organization Journal</i> , 2022, 15, 100631.	1.6	5
3	Protection against severe infant lower respiratory tract infections by immune training: Mechanistic studies. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 93-103.	1.5	11
4	Retinoic Acid Induces an IFN-Driven Inflammatory Tumour Microenvironment, Sensitizing to Immune Checkpoint Therapy. <i>Frontiers in Oncology</i> , 2022, 12, 849793.	1.3	7
5	Unlocking immune-mediated disease mechanisms with transcriptomics. <i>Biochemical Society Transactions</i> , 2021, 49, 705-714.	1.6	16
6	Small nucleolar RNA networks are upregulated during human anaphylaxis. <i>Clinical and Experimental Allergy</i> , 2021, 51, 1310-1321.	1.4	5
7	IRF7-Associated Immunophenotypes Have Dichotomous Responses to Virus/Allergen Coexposure and OM-85-Induced Reprogramming. <i>Frontiers in Immunology</i> , 2021, 12, 699633.	2.2	4
8	Searching for a technology-driven acute rheumatic fever test: the START study protocol. <i>BMJ Open</i> , 2021, 11, e053720.	0.8	9
9	Directing the Future Breakthroughs in Immunotherapy: The Importance of a Holistic Approach to the Tumour Microenvironment. <i>Cancers</i> , 2021, 13, 5911.	1.7	1
10	Personal Network Inference Unveils Heterogeneous Immune Response Patterns to Viral Infection in Children with Acute Wheezing. <i>Journal of Personalized Medicine</i> , 2021, 11, 1293.	1.1	3
11	Decoding Susceptibility to Respiratory Viral Infections and Asthma Inception in Children. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6372.	1.8	11
12	Airway Epithelial Cell Immunity Is Delayed During Rhinovirus Infection in Asthma and COPD. <i>Frontiers in Immunology</i> , 2020, 11, 974.	2.2	60
13	Rewiring of gene networks underlying mite allergen-induced CD4 <sup>+</sup> T <sub>H</sub> cell responses during immunotherapy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2330-2341.	2.7	11
14	Differential Gene Expression of Lymphocytes Stimulated with Rhinovirus A and C in Children with Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 202-209.	2.5	4
15	Bilateral murine tumor models for characterizing the response to immune checkpoint blockade. <i>Nature Protocols</i> , 2020, 15, 1628-1648.	5.5	19
16	Assessing the unified airway hypothesis in children via transcriptional profiling of the airway epithelium. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 1562-1573.	1.5	35
17	Sensitization to immune checkpoint blockade through activation of a STAT1/NK axis in the tumor microenvironment. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	147
18	Very Early Identification and Intervention for Infants at Risk of Neurodevelopmental Disorders: A Transdiagnostic Approach. <i>Child Development Perspectives</i> , 2019, 13, 97-103.	2.1	34

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19	Innate immune activation occurs in acute food protein-induced enterocolitis syndrome reactions. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 600-602.e2.	1.5	31
20	Multomics and Systems Biology Are Needed to Unravel the Complex Origins of Chronic Disease. <i>Challenges</i> , 2019, 10, 23.	0.9	3
21	Progressive increase of FcÎµRI expression across several PBMC subsets is associated with atopy and atopic asthma within school-aged children. <i>Pediatric Allergy and Immunology</i> , 2019, 30, 646-653.	1.1	15
22	Upper Airway Cell Transcriptomics Identify a Major New Immunological Phenotype with Strong Clinical Correlates in Young Children with Acute Wheezing. <i>Journal of Immunology</i> , 2019, 202, 1845-1858.	0.4	41
23	Immunoinflammatory responses to febrile lower respiratory infections in infants display uniquely complex/intense transcriptomic profiles. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 1411-1413.	1.5	4
24	QuantSeq. 3â€² Sequencing combined with Salmon provides a fast, reliable approach for high throughput RNA expression analysis. <i>Scientific Reports</i> , 2019, 9, 18895.	1.6	33
25	Personalized Transcriptomics Reveals Heterogeneous Immunophenotypes in Children with Viral Bronchiolitis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1537-1549.	2.5	28
26	Persistent activation of interlinked type 2 airway epithelial gene networks in sputum-derived cells from aeroallergen-sensitized symptomatic asthmatics. <i>Scientific Reports</i> , 2018, 8, 1511.	1.6	18
27	Insights into respiratory disease through bioinformatics. <i>Respirology</i> , 2018, 23, 1117-1126.	1.3	19
28	Atopy-Dependent and Independent Immune Responses in the Heightened Severity of Atopics to Respiratory Viral Infections: Rat Model Studies. <i>Frontiers in Immunology</i> , 2018, 9, 1805.	2.2	7
29	Basophil counts in PBMC populations during childhood acute wheeze/asthma are associated with future exacerbations. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1639-1641.e5.	1.5	16
30	CD8+XCR1neg Dendritic Cells Express High Levels of Toll-Like Receptor 5 and a Unique Complement of Endocytic Receptors. <i>Frontiers in Immunology</i> , 2018, 9, 2990.	2.2	8
31	CFTR-dependent defect in alternatively-activated macrophages in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2017, 16, 475-482.	0.3	57
32	Using Network Analysis to Understand Severe Asthma Phenotypes. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 1409-1411.	2.5	13
33	Epigenome-wide analysis links SMAD3 methylation at birth to asthma in children of asthmatic mothers. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 534-542.	1.5	94
34	Dynamic versus static biomarkers in cancer immune checkpoint blockade: unravelling complexity. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 264-272.	21.5	204
35	A genome-by-environment interaction classifier for precision medicine: personal transcriptome response to rhinovirus identifies children prone to asthma exacerbations. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017, 24, 1116-1126.	2.2	23
36	Critical Role of Plasmacytoid Dendritic Cells in Regulating Gene Expression and Innate Immune Responses to Human Rhinovirus-16. <i>Frontiers in Immunology</i> , 2017, 8, 1351.	2.2	12

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37	Rhinovirus-induced asthma exacerbations and risk populations. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2016, 16, 179-185.	1.1	12
38	Respiratory viral infections and host responses; insights from genomics. <i>Respiratory Research</i> , 2016, 17, 156.	1.4	74
39	Effect of human rhinovirus infection on airway epithelium tight junction protein disassembly and transepithelial permeability. <i>Experimental Lung Research</i> , 2016, 42, 380-395.	0.5	26
40	Identification of genes differentially regulated by vitamin D deficiency that alter lung pathophysiology and inflammation in allergic airways disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L653-L663.	1.3	10
41	Differential gene network analysis for the identification of asthma-associated therapeutic targets in allergen-specific T-helper memory responses. <i>BMC Medical Genomics</i> , 2016, 9, 9.	0.7	38
42	Rapid recruitment of CD14+ monocytes in experimentally induced allergic rhinitis in human subjects. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1872-1881.e12.	1.5	48
43	Interferon regulatory factor 7 regulates airway epithelial cell responses to human rhinovirus infection. <i>BMC Genomics</i> , 2016, 17, 76.	1.2	50
44	Distinguishing benign from pathologic TH2 immunity in atopic children. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 379-387.	1.5	64
45	Network analysis of immunotherapy-induced regressing tumours identifies novel synergistic drug combinations. <i>Scientific Reports</i> , 2015, 5, 12298.	1.6	63
46	Towards a PBMC "virogram assay" for precision medicine: Concordance between ex vivo and in vivo viral infection transcriptomes. <i>Journal of Biomedical Informatics</i> , 2015, 55, 94-103.	2.5	18
47	The Effects of <i>In Utero</i> Vitamin D Deficiency on Airway Smooth Muscle Mass and Lung Function. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 664-675.	1.4	55
48	Comment on "Drug Discovery: Turning the Titanic". <i>Science Translational Medicine</i> , 2014, 6, 229e2.	5.8	7
49	Intracellular growth of <i>Mycobacterium avium</i> subspecies and global transcriptional responses in human macrophages after infection. <i>BMC Genomics</i> , 2014, 15, 58.	1.2	12
50	Genomic Responses during Acute Human Anaphylaxis Are Characterized by Upregulation of Innate Inflammatory Gene Networks. <i>PLoS ONE</i> , 2014, 9, e101409.	1.1	22
51	<i>In Utero</i> Exposure to Arsenic Alters Lung Development and Genes Related to Immune and Mucociliary Function in Mice. <i>Environmental Health Perspectives</i> , 2013, 121, 244-250.	2.8	38
52	A genomics-based approach to assessment of vaccine safety and immunogenicity in children. <i>Vaccine</i> , 2012, 30, 1865-1874.	1.7	21
53	Interferon regulatory factor 7 is a major hub connecting interferon-mediated responses in virus-induced asthma exacerbations <i>in vivo</i> . <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 88-94.	1.5	111
54	Airway Epithelial Cells Condition Dendritic Cells to Express Multiple Immune Surveillance Genes. <i>PLoS ONE</i> , 2012, 7, e44941.	1.1	19

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55	Pneumococcal conjugate vaccination at birth in a high-risk setting: No evidence for neonatal T-cell tolerance. <i>Vaccine</i> , 2011, 29, 5414-5420.	1.7	31
56	Toward improved prediction of risk for atopy and asthma among preschoolers: A prospective cohort study. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 653-659.e7.	1.5	128
57	Interactions between Innate Antiviral and Atopic Immunoinflammatory Pathways Precipitate and Sustain Asthma Exacerbations in Children. <i>Journal of Immunology</i> , 2009, 183, 2793-2800.	0.4	190
58	Airway Epithelial Cells Regulate the Functional Phenotype of Locally Differentiating Dendritic Cells: Implications for the Pathogenesis of Infectious and Allergic Airway Disease. <i>Journal of Immunology</i> , 2009, 182, 72-83.	0.4	89
59	A Network Modeling Approach to Analysis of the Th2 Memory Responses Underlying Human Atopic Disease. <i>Journal of Immunology</i> , 2009, 182, 6011-6021.	0.4	34
60	Interleukin-10/Interleukin-5 Responses at Birth Predict Risk for Respiratory Infections in Children with Atopic Family History. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 205-211.	2.5	57
61	Allergen-enhanced thrombomodulin (blood dendritic cell antigen 3, CD141) expression on dendritic cells is associated with a TH2-skewed immune response. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 123, 209-216.e4.	1.5	65
62	Pathogenic Mechanisms of Allergic Inflammation : Atopic Asthma as a Paradigm. <i>Advances in Immunology</i> , 2009, 104, 51-113.	1.1	17
63	CpG methylation patterns in the IFN $\gamma$ promoter in naive T cells: Variations during Th1 and Th2 differentiation and between atopics and non-atopics. <i>Pediatric Allergy and Immunology</i> , 2006, 17, 557-564.	1.1	94
64	Identification of Novel Th2-Associated Genes in T Memory Responses to Allergens. <i>Journal of Immunology</i> , 2006, 176, 4766-4777.	0.4	44
65	Determinants of House Dust Mite Allergenicity. <i>Allergy and Clinical Immunology International</i> , 2006, 18, 65-70.	0.3	1
66	Isoforms of the Major Peanut Allergen Ara h 2: IgE Binding in Children with Peanut Allergy. <i>International Archives of Allergy and Immunology</i> , 2004, 135, 101-107.	0.9	40
67	Regulation of Dendritic Cell Recruitment into Resting and Inflamed Airway Epithelium: Use of Alternative Chemokine Receptors as a Function of Inducing Stimulus. <i>Journal of Immunology</i> , 2001, 167, 228-234.	0.4	117
68	Network using Michaelis-Menten kinetics: constructing an algorithm to find target genes from expression data. <i>Journal of Complex Networks</i> , 0, , .	1.1	1