

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	Dynamic versus static biomarkers in cancer immune checkpoint blockade: unravelling complexity. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 264-272.	21.5	204
2	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
3	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
4	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
5	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
6	Interferon regulatory factor 7 is a major hub connecting interferon-mediated responses in virus-induced asthma exacerbations in vivo. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 88-94.	1.5	111
7	CpG methylation patterns in the IFN γ 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
8	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
9	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
10	Respiratory viral infections and host responses; insights from genomics. <i>Respiratory Research</i> , 2016, 17, 156.	1.4	74
11	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
12	Distinguishing benign from pathologic TH2 immunity in atopic children. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 379-387.	1.5	64
13	Network analysis of immunotherapy-induced regressing tumours identifies novel synergistic drug combinations. <i>Scientific Reports</i> , 2015, 5, 12298.	1.6	63
14	Airway Epithelial Cell Immunity Is Delayed During Rhinovirus Infection in Asthma and COPD. <i>Frontiers in Immunology</i> , 2020, 11, 974.	2.2	60
15	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
16	CFTR-dependent defect in alternatively-activated macrophages in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2017, 16, 475-482.	0.3	57
17	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
18	Interferon regulatory factor 7 regulates airway epithelial cell responses to human rhinovirus infection. <i>BMC Genomics</i> , 2016, 17, 76.	1.2	50

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19	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
20	Identification of Novel Th2-Associated Genes in T Memory Responses to Allergens. <i>Journal of Immunology</i> , 2006, 176, 4766-4777.	0.4	44
21	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
22	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
23	<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
24	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
25	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
26	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
27	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
28	QuantSeq. 3 rd 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
29	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
30	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
31	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
32	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
33	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
34	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
35	A genomics-based approach to assessment of vaccine safety and immunogenicity in children. <i>Vaccine</i> , 2012, 30, 1865-1874.	1.7	21
36	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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37	Insights into respiratory disease through bioinformatics. <i>Respirology</i> , 2018, 23, 1117-1126.	1.3	19
38	Bilateral murine tumor models for characterizing the response to immune checkpoint blockade. <i>Nature Protocols</i> , 2020, 15, 1628-1648.	5.5	19
39	Towards a PBMC "œvirogram 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
40	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
41	Pathogenic Mechanisms of Allergic Inflammation : Atopic Asthma as a Paradigm. <i>Advances in Immunology</i> , 2009, 104, 51-113.	1.1	17
42	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
43	Unlocking immune-mediated disease mechanisms with transcriptomics. <i>Biochemical Society Transactions</i> , 2021, 49, 705-714.	1.6	16
44	Progressive increase of Fc̑RI 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
45	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
46	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
47	Rhinovirus-induced asthma exacerbations and risk populations. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2016, 16, 179-185.	1.1	12
48	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
49	Decoding Susceptibility to Respiratory Viral Infections and Asthma Inception in Children. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6372.	1.8	11
50	Rewiring of gene networks underlying mite allergen-induced CD4 ⁺ Th ¹ cell responses during immunotherapy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2330-2341.	2.7	11
51	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
52	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
53	Searching for a technology-driven acute rheumatic fever test: the START study protocol. <i>BMJ Open</i> , 2021, 11, e053720.	0.8	9
54	CD8 ⁺ XCR1 ^{neg} 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

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55	Comment on "Drug Discovery: Turning the Titanic". Science Translational Medicine, 2014, 6, 229le2.	5.8	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.	2.2	7
57	PPAR α and PPAR β activation is associated with pleural mesothelioma invasion but therapeutic inhibition is ineffective. IScience, 2022, 25, 103571.	1.9	7
58	Retinoic Acid Induces an IFN-Driven Inflammatory Tumour Microenvironment, Sensitizing to Immune Checkpoint Therapy. Frontiers in Oncology, 2022, 12, 849793.	1.3	7
59	Small nucleolar RNA networks are upregulated during human anaphylaxis. Clinical and Experimental Allergy, 2021, 51, 1310-1321.	1.4	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.	1.6	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.	1.5	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.	2.5	4
63	IRF7-Associated Immunophenotypes Have Dichotomous Responses to Virus/Allergen Coexposure and OM-85-Induced Reprogramming. Frontiers in Immunology, 2021, 12, 699633.	2.2	4
64	Multiomics and Systems Biology Are Needed to Unravel the Complex Origins of Chronic Disease. Challenges, 2019, 10, 23.	0.9	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.	1.1	3
66	Network using Michaelis-Menten kinetics: constructing an algorithm to find target genes from expression data. Journal of Complex Networks, 0, , .	1.1	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.	1.7	1