

# Rabindra Tirouvanziam

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

3,348  
citations

109137

35  
h-index

155451

55  
g-index

90  
all docs

90  
docs citations

90  
times ranked

5008  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autoantibodies to red blood cell surface Glycophorin A impact the activation poise of circulating leukocytes. <i>Transfusion</i> , 2022, 62, 217-226.	0.8	2
2	Neutrophil-derived extracellular vesicles promote feed-forward inflammasome signaling in cystic fibrosis airways. <i>Journal of Leukocyte Biology</i> , 2022, 112, 707-716.	1.5	10
3	Inactivation of SARS-CoV-2 and COVID-19 Patient Samples for Contemporary Immunology and Metabolomics Studies. <i>ImmunoHorizons</i> , 2022, 6, 144-155.	0.8	5
4	<i>Pseudomonas aeruginosa</i> modulates neutrophil granule exocytosis in an <i>in vitro</i> model of airway infection. <i>Immunology and Cell Biology</i> , 2022, 100, 352-370.	1.0	7
5	Baricitinib attenuates the proinflammatory phase of COVID-19 driven by lung-infiltrating monocytes. <i>Cell Reports</i> , 2022, 39, 110945.	2.9	12
6	Inhibition of Recruitment and Activation of Neutrophils by Pyridazinone-Scaffold-Based Compounds. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7226.	1.8	4
7	Changes in airway inflammation with pseudomonas eradication in early cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2021, 20, 941-948.	0.3	8
8	Functional and Transcriptional Adaptations of Blood Monocytes Recruited to the Cystic Fibrosis Airway Microenvironment In Vitro. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2530.	1.8	4
9	Elevated levels of inflammatory plasma biomarkers are associated with risk of HIV infection. <i>Retrovirology</i> , 2021, 18, 8.	0.9	3
10	Transcriptional firing represses bactericidal activity in cystic fibrosis airway neutrophils. <i>Cell Reports Medicine</i> , 2021, 2, 100239.	3.3	25
11	A High-Throughput Distal Lung Air-Blood Barrier Model Enabled By Density-Driven Underside Epithelium Seeding. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100879.	3.9	6
12	Findings from a feasibility study of estradiol for hypogonadal women with cystic fibrosis-related bone disease. <i>Pilot and Feasibility Studies</i> , 2021, 7, 160.	0.5	0
13	A High-Throughput Distal Lung Air-Blood Barrier Model Enabled By Density-Driven Underside Epithelium Seeding (Adv. Healthcare Mater. 15/2021). <i>Advanced Healthcare Materials</i> , 2021, 10, 2170069.	3.9	0
14	Mechanistic analysis and significance of sphingomyelinase-mediated decreases in transepithelial CFTR currents in nHBEs. <i>Physiological Reports</i> , 2021, 9, e15023.	0.7	2
15	Mass production of human airway-like neutrophils via transmigration in an organotypic model of human airways. <i>STAR Protocols</i> , 2021, 2, 100892.	0.5	5
16	Clinical recovery of <i>Macaca fascicularis</i> infected with <i>Plasmodium knowlesi</i> . <i>Malaria Journal</i> , 2021, 20, 486.	0.8	8
17	MMP9/RAGE pathway overactivation mediates redox dysregulation and neuroinflammation, leading to inhibitory/excitatory imbalance: a reverse translation study in schizophrenia patients. <i>Molecular Psychiatry</i> , 2020, 25, 2889-2904.	4.1	76
18	Distinct compartmentalization of immune cells and mediators characterizes bullous pemphigoid disease. <i>Experimental Dermatology</i> , 2020, 29, 1191-1198.	1.4	12

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19	Immunomodulation in Cystic Fibrosis: Why and How?. International Journal of Molecular Sciences, 2020, 21, 3331.	1.8	15
20	Neutrophil Adaptations upon Recruitment to the Lung: New Concepts and Implications for Homeostasis and Disease. International Journal of Molecular Sciences, 2020, 21, 851.	1.8	67
21	Airway profile of bioactive lipids predicts early progression of lung disease in cystic fibrosis. Journal of Cystic Fibrosis, 2020, 19, 902-909.	0.3	12
22	The immunosuppressive phenotype of tumor-infiltrating neutrophils is associated with obesity in kidney cancer patients. OncoImmunology, 2020, 9, 1747731.	2.1	8
23	Oral Glutathione and Growth in Cystic Fibrosis. Journal of Pediatric Gastroenterology and Nutrition, 2020, 71, 771-777.	0.9	5
24	SUN-337 Low Dose Ethinyl Estradiol in Women with Cystic Fibrosis Does Not Preserve Bone Mass. Journal of the Endocrine Society, 2020, 4, .	0.1	0
25	Resistin is elevated in cystic fibrosis sputum and correlates negatively with lung function. Journal of Cystic Fibrosis, 2019, 18, 64-70.	0.3	20
26	Neutrophil Dysfunction in the Airways of Children with Acute Respiratory Failure Due to Lower Respiratory Tract Viral and Bacterial Coinfections. Scientific Reports, 2019, 9, 2874.	1.6	39
27	Microphysiological systems modeling acute respiratory distress syndrome that capture mechanical force-induced injury-inflammation-repair. APL Bioengineering, 2019, 3, 041503.	3.3	21
28	Activated PMN Exosomes: Pathogenic Entities Causing Matrix Destruction and Disease in the Lung. Cell, 2019, 176, 113-126.e15.	13.5	283
29	Cysteine/Glutathione Deficiency: A Significant and Treatable Corollary of Disease. , 2019, , 349-386.		6
30	Children with Neutrophil-Predominant Severe Asthma Have Proinflammatory Neutrophils With Enhanced Survival and Impaired Clearance. Journal of Allergy and Clinical Immunology: in Practice, 2019, 7, 516-525.e6.	2.0	59
31	Pharmacology, Formulations, and Adverse Effects. , 2019, , 387-394.		0
32	Elastase Exocytosis by Airway Neutrophils Is Associated with Early Lung Damage in Children with Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 873-881.	2.5	68
33	Neutrophil-targeted, protease-activated pulmonary drug delivery blocks airway and systemic inflammation. JCI Insight, 2019, 4, .	2.3	28
34	Innate Immunity of the Lung: From Basic Mechanisms to Translational Medicine. Journal of Innate Immunity, 2018, 10, 487-501.	1.8	101
35	Adenosine Production by Biomaterial-Supported Mesenchymal Stromal Cells Reduces the Innate Inflammatory Response in Myocardial Ischemia/Reperfusion Injury. Journal of the American Heart Association, 2018, 7, .	1.6	48
36	Myeloperoxidase oxidation of methionine associates with early cystic fibrosis lung disease. European Respiratory Journal, 2018, 52, 1801118.	3.1	41

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37	Frontline Science: Pathological conditioning of human neutrophils recruited to the airway milieu in cystic fibrosis. <i>Journal of Leukocyte Biology</i> , 2018, 104, 665-675.	1.5	64
38	Determination of thiocyanate in exhaled breath condensate. <i>Free Radical Biology and Medicine</i> , 2018, 126, 334-340.	1.3	9
39	Plasma metabolomics in adults with cystic fibrosis during a pulmonary exacerbation: A pilot randomized study of high-dose vitamin D 3 administration. <i>Metabolism: Clinical and Experimental</i> , 2017, 70, 31-41.	1.5	50
40	The Vitamin D for Enhancing the Immune System in Cystic Fibrosis (DISC) trial: Rationale and design of a multi-center, double-blind, placebo-controlled trial of high dose bolus administration of vitamin D3 during acute pulmonary exacerbation of cystic fibrosis. <i>Contemporary Clinical Trials Communications</i> , 2017, 6, 39-45.	0.5	12
41	Leukocyte and plasma activation profiles in chronically transfused patients with a history of allergic reactions. <i>Transfusion</i> , 2017, 57, 2639-2648.	0.8	3
42	High-dose oral N-acetylcysteine fails to improve respiratory health status in patients with chronic obstructive pulmonary disease and chronic bronchitis: a randomized, placebo-controlled trial. <i>International Journal of COPD</i> , 2016, 11, 799.	0.9	22
43	Neutrophil plasticity enables the development of pathological microenvironments: implications for cystic fibrosis airway disease. <i>Molecular and Cellular Pediatrics</i> , 2016, 3, 38.	1.0	31
44	Modulatory Effects of Aspergillus Colonization and Abpa on Blood and Sputum Granulocytes in CF. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, AB29.	1.5	1
45	Basophil activation test determination of CD63 combined with CD203c is not superior to CD203c alone in identifying allergic bronchopulmonary aspergillosis in cystic fibrosis. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1195-1196.	1.5	6
46	Alterations in blood leukocytes of G551D-bearing cystic fibrosis patients undergoing treatment with ivacaftor. <i>Journal of Cystic Fibrosis</i> , 2016, 15, 67-73.	0.3	44
47	Blood basophil activation is a reliable biomarker of allergic bronchopulmonary aspergillosis in cystic fibrosis. <i>European Respiratory Journal</i> , 2016, 47, 177-185.	3.1	39
48	Toll-Like Receptor 4 Engagement Mediates Prolyl Endopeptidase Release from Airway Epithelia via Exosomes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 359-369.	1.4	51
49	Mature Cystic Fibrosis Airway Neutrophils Suppress T Cell Function: Evidence for a Role of Arginase 1 but Not Programmed Death-Ligand 1. <i>Journal of Immunology</i> , 2015, 194, 5520-5528.	0.4	60
50	Low Doses of Imatinib Induce Myelopoiesis and Enhance Host Anti-microbial Immunity. <i>PLoS Pathogens</i> , 2015, 11, e1004770.	2.1	60
51	Long-term treatment with oral N-acetylcysteine: Affects lung function but not sputum inflammation in cystic fibrosis subjects. A phase II randomized placebo-controlled trial. <i>Journal of Cystic Fibrosis</i> , 2015, 14, 219-227.	0.3	90
52	Basophil Activation Is a Reliable Biomarker Of Allergic Bronchopulmonary Aspergillosis (ABPA) In CF: One Year Results Of a Longitudinal Cohort Study. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, AB58.	1.5	1
53	PET Imaging of Stroke-Induced Neuroinflammation in Mice Using [18F]PBR06. <i>Molecular Imaging and Biology</i> , 2014, 16, 109-117.	1.3	50
54	The Long-Term Impact of Early Adversity on Late-Life Psychiatric Disorders. <i>Current Psychiatry Reports</i> , 2013, 15, 352.	2.1	93

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55	Metabolic Adaptation of Neutrophils in Cystic Fibrosis Airways Involves Distinct Shifts in Nutrient Transporter Expression. <i>Journal of Immunology</i> , 2013, 190, 6043-6050.	0.4	63
56	Blood basophils from cystic fibrosis patients with allergic bronchopulmonary aspergillosis are primed and hyper-responsive to stimulation by aspergillus allergens. <i>Journal of Cystic Fibrosis</i> , 2012, 11, 502-510.	0.3	40
57	A Randomized Controlled Pilot Trial of Oral N-Acetylcysteine in Children with Autism. <i>Biological Psychiatry</i> , 2012, 71, 956-961.	0.7	247
58	Distinct Plasma Profile of Polar Neutral Amino Acids, Leucine, and Glutamate in Children with Autism Spectrum Disorders. <i>Journal of Autism and Developmental Disorders</i> , 2012, 42, 827-836.	1.7	65
59	Modulation of mTOR Effector Phosphoproteins in Blood Basophils from Allergic Patients. <i>Journal of Clinical Immunology</i> , 2012, 32, 565-573.	2.0	4
60	Immunophenotyping of Peripheral Eosinophils Demonstrates Activation in Eosinophilic Esophagitis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2011, 53, 40-47.	0.9	17
61	Basophil CD203c Levels Are Increased at Baseline and Can Be Used to Monitor Omalizumab Treatment in Subjects with Nut Allergy. <i>International Archives of Allergy and Immunology</i> , 2011, 154, 318-327.	0.9	57
62	Transcription Factors as Disease Indicators in Eosinophilic Esophagitis. <i>Clinical Immunology</i> , 2010, 135, S81-S82.	1.4	0
63	Neutrophils in chronic inflammatory airway diseases: can we target them and how?. <i>European Respiratory Journal</i> , 2010, 35, 467-469.	3.1	85
64	Activation of critical, host-induced, metabolic and stress pathways marks neutrophil entry into cystic fibrosis lungs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5779-5783.	3.3	90
65	F.102. Enhanced Expression of CD66b on Peripheral Blood Granulocytes in Eosinophilic Esophagitis. <i>Clinical Immunology</i> , 2009, 131, S120-S121.	1.4	0
66	Lung. <i>Human Cell Culture</i> , 2009, , 91-112.	0.1	1
67	Profound functional and signaling changes in viable inflammatory neutrophils homing to cystic fibrosis airways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4335-4339.	3.3	126
68	Altered phosphorylated signal transducer and activator of transcription profile of CD4+CD161+ T cells in asthma: Modulation by allergic status and oral corticosteroids. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 120, 1441-1448.	1.5	29
69	High-dose oral N-acetylcysteine, a glutathione prodrug, modulates inflammation in cystic fibrosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4628-4633.	3.3	235
70	Neutrophilic inflammation as a major determinant in the progression of cystic fibrosis. <i>Drug News and Perspectives</i> , 2006, 19, 609.	1.9	47
71	Functional Evolution of the Vertebrate Myb Gene Family. <i>Genetics</i> , 2005, 169, 215-229.	1.2	52
72	Fluorescence-activated cell sorting (FACS) of <i>Drosophila</i> hemocytes reveals important functional similarities to mammalian leukocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2912-2917.	3.3	51

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73	Ex vivo development of functional human lymph node and bronchus-associated lymphoid tissue. Blood, 2002, 99, 2483-2489.	0.6	14
74	Primary inflammation in human cystic fibrosis small airways. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 283, L445-L451.	1.3	70
75	Inflammation and Infection in Naive Human Cystic Fibrosis Airway Grafts. American Journal of Respiratory Cell and Molecular Biology, 2000, 23, 121-127.	1.4	227
76	Ion Composition and Rheology of Airway Liquid from Cystic Fibrosis Fetal Tracheal Xenografts. American Journal of Respiratory Cell and Molecular Biology, 1999, 20, 605-611.	1.4	60
77	Bioelectric properties of human cystic fibrosis and non-cystic fibrosis fetal tracheal xenografts in SCID mice. American Journal of Physiology - Cell Physiology, 1998, 274, C875-C882.	2.1	16
78	Gene transfer to human respiratory airways developed in SCID mice. Biologicals, 1995, 23, 17-19.	0.5	1
79	Gene Transfer to Human Fetal Pulmonary Tissue Developed in Immunodeficient SCID Mice. Human Gene Therapy, 1994, 5, 1131-1137.	1.4	38
80	Broad Transcriptional Firing Represses Bactericidal Activity in Human Airway Neutrophils. SSRN Electronic Journal, 0, , .	0.4	1
81	PILOT STUDY OF INFLAMMATORY BIOMARKERS IN MATCHED INDUCED SPUTUM AND BRONCHOALVEOLAR LAVAGE OF 2â€¢YEARâ€¢OLDS WITH CYSTIC FIBROSIS. Pediatric Pulmonology, 0, , .	1.0	0