

Benjamin D Singer

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

6,092
citations

109264

35
h-index

82499

72
g-index

89
all docs

89
docs citations

89
times ranked

10840
citing authors

#	ARTICLE	IF	CITATIONS
1	Age-related Differences in the Nasal Mucosal Immune Response to SARS-CoV-2. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 206-222.	1.4	27
2	Reduced expression of mitochondrial complex I subunit Ndufs2 does not impact healthspan in mice. Scientific Reports, 2022, 12, 5196.	1.6	10
3	Epigenetic Control of Regulatory T Cell Stability and Function: Implications for Translation. Frontiers in Immunology, 2022, 13, 861607.	2.2	15
4	Selected Bibliography of Recent Research in COVID-19. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 1548-1562.	2.5	3
5	Advancing Lung Immunology Research: An Official American Thoracic Society Workshop Report. American Journal of Respiratory Cell and Molecular Biology, 2022, 67, e1-18.	1.4	3
6	Comparing Nasopharyngeal and BAL SARS-CoV-2 Assays in Respiratory Failure. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 127-129.	2.5	27
7	The lung microenvironment shapes a dysfunctional response of alveolar macrophages in aging. Journal of Clinical Investigation, 2021, 131, .	3.9	86
8	Ageing imparts cell-autonomous dysfunction to regulatory T cells during recovery from influenza pneumonia. JCI Insight, 2021, 6, .	2.3	25
9	mTORC1 stimulates cell growth through SAM synthesis and m6A mRNA-dependent control of protein synthesis. Molecular Cell, 2021, 81, 2076-2093.e9.	4.5	77
10	Update in COVID-19 2020. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1462-1471.	2.5	13
11	Distinctive features of severe SARS-CoV-2 pneumonia. Journal of Clinical Investigation, 2021, 131, .	3.9	49
12	Technology dictates algorithms: recent developments in read alignment. Genome Biology, 2021, 22, 249.	3.8	51
13	Bacterial Superinfection Pneumonia in Patients Mechanically Ventilated for COVID-19 Pneumonia. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 921-932.	2.5	108
14	PAX9 Determines Epigenetic State Transition and Cell Fate in Cancer. Cancer Research, 2021, 81, 4696-4708.	0.4	10
15	Circuits between infected macrophages and T cells in SARS-CoV-2 pneumonia. Nature, 2021, 590, 635-641.	13.7	524
16	Toward a Paradigm to Distinguish Distinct Functions of FOXP3+ Regulatory T Cells. ImmunoHorizons, 2021, 5, 944-952.	0.8	7
17	DNA methylation and gene expression signatures are associated with ataxia-telangiectasia phenotype. Scientific Reports, 2020, 10, 7479.	1.6	13
18	Pathogenesis of COVID-19-induced ARDS: implications for an ageing population. European Respiratory Journal, 2020, 56, 2002049.	3.1	168

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19	Cancer-specific CTCF binding facilitates oncogenic transcriptional dysregulation. <i>Genome Biology</i> , 2020, 21, 247.	3.8	70
20	Uncoupling histone H3K4 trimethylation from developmental gene expression via an equilibrium of COMPASS, Polycomb and DNA methylation. <i>Nature Genetics</i> , 2020, 52, 615-625.	9.4	76
21	COVID-19 and the next influenza season. <i>Science Advances</i> , 2020, 6, eabd0086.	4.7	37
22	Age-Dependent Differences in T-Cell Responses to Influenza A Virus. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 415-423.	1.4	7
23	A Call for Rational Intensive Care in the Era of COVID-19. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 132-133.	1.4	20
24	CoRESTed development of regulatory T cells. <i>Journal of Clinical Investigation</i> , 2020, 130, 1618-1621.	3.9	5
25	Maintenance DNA methylation is essential for regulatory T cell development and stability of suppressive function. <i>Journal of Clinical Investigation</i> , 2020, 130, 6571-6587.	3.9	51
26	The Socrates Project for Difficult Diagnosis at Northwestern Medicine. <i>Journal of Hospital Medicine</i> , 2020, 15, 116-118.	0.7	4
27	DNA methylation as a transcriptional regulator of the immune system. <i>Translational Research</i> , 2019, 204, 1-18.	2.2	102
28	Improving the Quality and Reproducibility of Flow Cytometry in the Lung. An Official American Thoracic Society Workshop Report. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 150-161.	1.4	49
29	CATACOMB: An endogenous inducible gene that antagonizes H3K27 methylation activity of Polycomb repressive complex 2 via an H3K27M-like mechanism. <i>Science Advances</i> , 2019, 5, eaax2887.	4.7	86
30	A Practical Guide to the Measurement and Analysis of DNA Methylation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 417-428.	1.4	61
31	Headed in the Wrong Direction: Chronic and Acute Derangements in Pulmonary Blood Flow Distribution in a Patient with Severe Pulmonary Vein Stenosis. <i>Annals of the American Thoracic Society</i> , 2019, 16, 1321-1326.	1.5	1
32	Single-Cell Transcriptomic Analysis of Human Lung Provides Insights into the Pathobiology of Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1517-1536.	2.5	866
33	Mitochondrial complex III is essential for suppressive function of regulatory T cells. <i>Nature</i> , 2019, 565, 495-499.	13.7	323
34	Detection of respiratory pathogens in clinical samples using metagenomic shotgun sequencing. <i>Journal of Medical Microbiology</i> , 2019, 68, 996-1002.	0.7	19
35	Immunometabolism of pro-repair cells. <i>Journal of Clinical Investigation</i> , 2019, 129, 2597-2607.	3.9	30
36	Multidimensional assessment of alveolar T cells in critically ill patients. <i>JCI Insight</i> , 2018, 3, .	2.3	49

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37	TET2 coactivates gene expression through demethylation of enhancers. <i>Science Advances</i> , 2018, 4, eaau6986.	4.7	86
38	Inflammation and transcriptional responses of peripheral blood mononuclear cells in classic ataxia telangiectasia. <i>PLoS ONE</i> , 2018, 13, e0209496.	1.1	20
39	Systemic Lupus Erythematosus-associated Diffuse Alveolar Hemorrhage: A Case Report and Review of the Literature. <i>Clinical Pulmonary Medicine</i> , 2018, 25, 166-169.	0.3	8
40	Extracorporeal Membrane Oxygenation Can Successfully Support Patients With Severe Acute Respiratory Distress Syndrome in Lieu of Mechanical Ventilation. <i>Critical Care Medicine</i> , 2018, 46, e1070-e1073.	0.4	38
41	DNA methylation regulates the neonatal CD4+ T-cell response to pneumonia in mice. <i>Journal of Biological Chemistry</i> , 2018, 293, 11772-11783.	1.6	41
42	Invasive Mechanical Ventilation. <i>Southern Medical Journal</i> , 2018, 111, 746-753.	0.3	58
43	Systemic lupus erythematosus-associated diffuse alveolar hemorrhage: A case report and review of the literature. <i>Clinical Pulmonary Medicine</i> , 2018, 25, 166-169.	0.3	7
44	The innate immune response to lower respiratory tract E. Coli infection and the role of the CCL2-CCR2 axis in neonatal mice. <i>Cytokine</i> , 2017, 97, 108-116.	1.4	13
45	Molecular and physiological manifestations and measurement of aging in humans. <i>Aging Cell</i> , 2017, 16, 624-633.	3.0	323
46	Defining the Cell Type through Which the Asthma-Associated Intercellular Junction Protein Alpha-T-Catenin Drives Asthma Phenotypes in Mice. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, AB170.	1.5	0
47	Vitamin C and Sepsis. <i>Chest</i> , 2017, 152, 904-905.	0.4	4
48	Monocyte-derived alveolar macrophages drive lung fibrosis and persist in the lung over the life span. <i>Journal of Experimental Medicine</i> , 2017, 214, 2387-2404.	4.2	755
49	Opening the Regulatory T Cell Toolbox. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 57, 137-138.	1.4	2
50	Metastatic pulmonary calcification and end-stage renal disease. <i>Cleveland Clinic Journal of Medicine</i> , 2017, 84, 668-669.	0.6	4
51	Transcriptomic signatures decode Th17 cell pathogenicity. <i>Cellular and Molecular Immunology</i> , 2016, 13, 557-559.	4.8	1
52	Human monocytic ehrlichiosis complicated by hemophagocytic lymphohistiocytosis and multi-organ dysfunction syndrome. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 86, 327-328.	0.8	16
53	More Than a Touch of Gray: Embracing Uncertainty in the Intensive Care Unit. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 932-933.	2.5	2
54	Enhanced resolution of experimental ARDS through IL-4-mediated lung macrophage reprogramming. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L733-L746.	1.3	83

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55	Flow-cytometric method for simultaneous analysis of mouse lung epithelial, endothelial, and hematopoietic lineage cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L796-L801.	1.3	48
56	Histone/protein deacetylase 3 dictates critical aspects of regulatory T cell development and function. <i>Cellular and Molecular Immunology</i> , 2016, 13, 415-417.	4.8	1
57	Right Ventricular Angiogenesis is an Early Adaptive Response to Chronic Hypoxia-Induced Pulmonary Hypertension. <i>Microcirculation</i> , 2015, 22, 724-736.	1.0	28
58	Therapeutic exercise attenuates neutrophilic lung injury and skeletal muscle wasting. <i>Science Translational Medicine</i> , 2015, 7, 278ra32.	5.8	38
59	Foxp3+Regulatory T-Cell DNA Demethylation Accelerates Resolution of Acute Lung Injury. <i>Annals of the American Thoracic Society</i> , 2015, 12, S73-S73.	1.5	0
60	Regulatory T Cell DNA Methyltransferase Inhibition Accelerates Resolution of Lung Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 52, 641-652.	1.4	84
61	Comment on Adamzik et al.: An increased alveolar CD4+CD25+Foxp3+T-regulatory cell ratio in acute respiratory distress syndrome is associated with increased 30-day mortality. <i>Intensive Care Medicine</i> , 2014, 40, 1604-1604.	3.9	3
62	Regulatory T cell Itch reins in Th2 inflammation. <i>Cellular and Molecular Immunology</i> , 2014, 11, 126-128.	4.8	2
63	Regulatory T Cells as Immunotherapy. <i>Frontiers in Immunology</i> , 2014, 5, 46.	2.2	158
64	Foxp3+ regulatory T cells promote lung epithelial proliferation. <i>Mucosal Immunology</i> , 2014, 7, 1440-1451.	2.7	118
65	Progress Toward Improving Medical School Graduates'™ Skills via a "Boot Camp" Curriculum. <i>Simulation in Healthcare</i> , 2014, 9, 33-39.	0.7	47
66	Immunological Priming Requires Regulatory T Cells and IL-10-Producing Macrophages To Accelerate Resolution from Severe Lung Inflammation. <i>Journal of Immunology</i> , 2014, 192, 4453-4464.	0.4	35
67	First-Year Residents Outperform Third-Year Residents After Simulation-Based Education in Critical Care Medicine. <i>Simulation in Healthcare</i> , 2013, 8, 67-71.	0.7	58
68	Retention of Critical Care Skills After Simulation-Based Mastery Learning. <i>Journal of Graduate Medical Education</i> , 2013, 5, 458-463.	0.6	50
69	Retention Of Critical Care Skills Learned Through Simulation-Based Education. , 2012, , .		0
70	Simulation-Based Education Improves Resident Competency In The Medical Intensive Care Unit. , 2011, , .		1
71	Prompting To Use A Daily Rounding Checklist Reduces Costs Associated With Hospitalization. , 2011, , .		0
72	Pressure Modes of Invasive Mechanical Ventilation. <i>Southern Medical Journal</i> , 2011, 104, 701-709.	0.3	32

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73	Prompting Physicians to Address a Daily Checklist and Process of Care and Clinical Outcomes. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 680-686.	2.5	189
74	Severe Adverse Drug Reaction to Gadobenate Dimeglumine. Scientific World Journal, The, 2009, 9, 363-365.	0.8	15
75	Basic Invasive Mechanical Ventilation. Southern Medical Journal, 2009, 102, 1238-1245.	0.3	43
76	Research note: Increasing Amb a 1 content in common ragweed (Ambrosia artemisiifolia) pollen as a function of rising atmospheric CO2 concentration. Functional Plant Biology, 2005, 32, 667.	1.1	175
77	Cities as harbingers of climate change: Common ragweed, urbanization, and public health. Journal of Allergy and Clinical Immunology, 2003, 111, 290-295.	1.5	368