

# Arturo Zychlinsky

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

29,694  
citations

43973

48  
h-index

91712

69  
g-index

78  
all docs

78  
docs citations

78  
times ranked

24220  
citing authors

#	ARTICLE	IF	CITATIONS
1	Basic science under threat: Lessons from the Skirball Institute. <i>Cell</i> , 2022, 185, 755-758.	13.5	0
2	Neutrophil phenotypes and functions in cancer: A consensus statement. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	119
3	The cytosolic DNA sensor cGAS recognizes neutrophil extracellular traps. <i>Science Signaling</i> , 2021, 14, .	1.6	87
4	The Neutrophil. <i>Immunity</i> , 2021, 54, 1377-1391.	6.6	222
5	Entering the neutrophil trap. <i>Nature Reviews Immunology</i> , 2021, 21, 615-615.	10.6	3
6	Linker histone H1.2 and H1.4 affect the neutrophil lineage determination. <i>ELife</i> , 2020, 9, .	2.8	12
7	Neutrophil extracellular traps drive inflammatory pathogenesis in malaria. <i>Science Immunology</i> , 2019, 4, .	5.6	108
8	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019, 49, 1457-1973.	1.6	766
9	<i>Dnase1</i> deficient mice spontaneously develop a systemic lupus erythematosus-like disease. <i>European Journal of Immunology</i> , 2019, 49, 590-599.	1.6	27
10	Copper Regulates the Canonical NLRP3 Inflammasome. <i>Journal of Immunology</i> , 2018, 200, 1607-1617.	0.4	40
11	The bacterial pigment pyocyanin inhibits the NLRP3 inflammasome through intracellular reactive oxygen and nitrogen species. <i>Journal of Biological Chemistry</i> , 2018, 293, 4893-4900.	1.6	18
12	Neutrophil Extracellular Traps: The Biology of Chromatin Externalization. <i>Developmental Cell</i> , 2018, 44, 542-553.	3.1	250
13	Neutrophils: New insights and open questions. <i>Science Immunology</i> , 2018, 3, .	5.6	348
14	The role of neutrophil extracellular traps in rheumatic diseases. <i>Nature Reviews Rheumatology</i> , 2018, 14, 467-475.	3.5	175
15	Gasdermin D plays a vital role in the generation of neutrophil extracellular traps. <i>Science Immunology</i> , 2018, 3, .	5.6	486
16	Tetrahydroisoquinolines: New Inhibitors of Neutrophil Extracellular Trap (NET) Formation. <i>ChemBioChem</i> , 2017, 18, 888-893.	1.3	30
17	Cell-Cycle Proteins Control Production of Neutrophil Extracellular Traps. <i>Developmental Cell</i> , 2017, 43, 449-462.e5.	3.1	159
18	Diverse stimuli engage different neutrophil extracellular trap pathways. <i>ELife</i> , 2017, 6, .	2.8	598

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19	Immunodetection of NETs in Paraffin-Embedded Tissue. <i>Frontiers in Immunology</i> , 2016, 7, 513.	2.2	56
20	Neutrophil Extracellular Trap Formation Is Independent of De Novo Gene Expression. <i>PLoS ONE</i> , 2016, 11, e0157454.	1.1	56
21	Neutrophil oxidative burst activates ATM to regulate cytokine production and apoptosis. <i>Blood</i> , 2015, 126, 2842-2851.	0.6	58
22	Interleukin-1 Antagonist Anakinra in Amyotrophic Lateral Sclerosis—A Pilot Study. <i>PLoS ONE</i> , 2015, 10, e0139684.	1.1	53
23	Heparan Sulfate Modulates Neutrophil and Endothelial Function in Antibacterial Innate Immunity. <i>Infection and Immunity</i> , 2015, 83, 3648-3656.	1.0	30
24	A Myeloperoxidase-Containing Complex Regulates Neutrophil Elastase Release and Actin Dynamics during NETosis. <i>Cell Reports</i> , 2014, 8, 883-896.	2.9	556
25	The Balancing Act of Neutrophils. <i>Cell Host and Microbe</i> , 2014, 15, 526-536.	5.1	187
26	IcsA Is a <i>Shigella flexneri</i> Adhesin Regulated by the Type III Secretion System and Required for Pathogenesis. <i>Cell Host and Microbe</i> , 2014, 15, 435-445.	5.1	88
27	O-Antigen Protects Gram-Negative Bacteria from Histone Killing. <i>PLoS ONE</i> , 2013, 8, e71097.	1.1	14
28	Neutrophil extracellular traps: Is immunity the second function of chromatin?. <i>Journal of Cell Biology</i> , 2012, 198, 773-783.	2.3	878
29	Neutrophil Function: From Mechanisms to Disease. <i>Annual Review of Immunology</i> , 2012, 30, 459-489.	9.5	1,337
30	Automatic quantification of in vitro NET formation. <i>Frontiers in Immunology</i> , 2012, 3, 413.	2.2	176
31	Neutrophil Elastase Enhances Sputum Solubilization in Cystic Fibrosis Patients Receiving DNase Therapy. <i>PLoS ONE</i> , 2011, 6, e28526.	1.1	199
32	Glutamate utilization promotes meningococcal survival <i>in vivo</i> through avoidance of the neutrophil oxidative burst. <i>Molecular Microbiology</i> , 2011, 81, 1330-1342.	1.2	24
33	Activation of the Raf-MEK-ERK pathway is required for neutrophil extracellular trap formation. <i>Nature Chemical Biology</i> , 2011, 7, 75-77.	3.9	649
34	Myeloperoxidase is required for neutrophil extracellular trap formation: implications for innate immunity. <i>Blood</i> , 2011, 117, 953-959.	0.6	612
35	Neutrophil antimicrobial proteins enhance <i>Shigella flexneri</i> adhesion and invasion. <i>Cellular Microbiology</i> , 2010, 12, 1134-1143.	1.1	27
36	Impairment of neutrophil extracellular trap degradation is associated with lupus nephritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9813-9818.	3.3	1,201

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37	Neutrophil elastase and myeloperoxidase regulate the formation of neutrophil extracellular traps. <i>Journal of Cell Biology</i> , 2010, 191, 677-691.	2.3	1,637
38	Neutrophil Extracellular Traps Contain Calprotectin, a Cytosolic Protein Complex Involved in Host Defense against <i>Candida albicans</i> . <i>PLoS Pathogens</i> , 2009, 5, e1000639.	2.1	1,378
39	NETs: a new strategy for using old weapons. <i>Trends in Immunology</i> , 2009, 30, 513-521.	2.9	620
40	Fungal and Bacterial Killing by Neutrophils. <i>Methods in Molecular Biology</i> , 2009, 470, 293-312.	0.4	61
41	Restoration of NET formation by gene therapy in CGD controls aspergillosis. <i>Blood</i> , 2009, 114, 2619-2622.	0.6	500
42	Response: Protecting against <i>Aspergillus</i> infection in CGD. <i>Blood</i> , 2009, 114, 3498-3498.	0.6	2
43	Superoxide dismutase 1 regulates caspase-1 and endotoxic shock. <i>Nature Immunology</i> , 2008, 9, 866-872.	7.0	273
44	Single Residue Determines the Specificity of Neutrophil Elastase for <i>Shigella</i> Virulence Factors. <i>Journal of Molecular Biology</i> , 2008, 377, 1053-1066.	2.0	26
45	The Capsule Sensitizes <i>Streptococcus pneumoniae</i> to $\alpha$ -Defensins Human Neutrophil Proteins 1 to 3. <i>Infection and Immunity</i> , 2008, 76, 3710-3716.	1.0	38
46	What is the role of Toll-like receptors in bacterial infections?. <i>Seminars in Immunology</i> , 2007, 19, 41-47.	2.7	64
47	Novel cell death program leads to neutrophil extracellular traps. <i>Journal of Cell Biology</i> , 2007, 176, 231-241.	2.3	2,693
48	Beneficial suicide: why neutrophils die to make NETs. <i>Nature Reviews Microbiology</i> , 2007, 5, 577-582.	13.6	798
49	Capsule and d-alanylated lipoteichoic acids protect <i>Streptococcus pneumoniae</i> against neutrophil extracellular traps. <i>Cellular Microbiology</i> , 2007, 9, 1162-1171.	1.1	280
50	Neutrophil extracellular traps capture and kill <i>Candida albicans</i> yeast and hyphal forms. <i>Cellular Microbiology</i> , 2006, 8, 668-676.	1.1	865
51	How do microbes evade neutrophil killing?. <i>Cellular Microbiology</i> , 2006, 8, 1687-1696.	1.1	171
52	An Endonuclease Allows <i>Streptococcus pneumoniae</i> to Escape from Neutrophil Extracellular Traps. <i>Current Biology</i> , 2006, 16, 401-407.	1.8	502
53	ShiA Abrogates the Innate T-Cell Response to <i>Shigella flexneri</i> Infection. <i>Infection and Immunity</i> , 2006, 74, 2317-2327.	1.0	26
54	Caspase-1-Mediated Activation of Interleukin-1 $\beta$ (IL-1 $\beta$ ) and IL-18 Contributes to Innate Immune Defenses against <i>Salmonella enterica</i> Serovar Typhimurium Infection. <i>Infection and Immunity</i> , 2006, 74, 4922-4926.	1.0	236

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55	Human Neutrophils Kill Bacillus anthracis. PLoS Pathogens, 2005, 1, e23.	2.1	73
56	Toll-Like Receptors Are Temporally Involved in Host Defense. Journal of Immunology, 2004, 172, 4463-4469.	0.4	202
57	How do neutrophils and pathogens interact?. Current Opinion in Microbiology, 2004, 7, 62-66.	2.3	113
58	Neutrophil Extracellular Traps Kill Bacteria. Science, 2004, 303, 1532-1535.	6.0	7,806
59	Introduction: Forum in immunology on neutrophils. Microbes and Infection, 2003, 5, 1289-1291.	1.0	20
60	The ShiA protein encoded by the Shigella flexneri SHI-2 pathogenicity island attenuates inflammation. Cellular Microbiology, 2003, 5, 797-807.	1.1	37
61	Neutrophil elastase targets virulence factors of enterobacteria. Nature, 2002, 417, 91-94.	13.7	282
62	Structure-Function Analysis of the Shigella Virulence Factor IpaB. Journal of Bacteriology, 2001, 183, 1269-1276.	1.0	50
63	Release of Toll-Like Receptor-2-Activating Bacterial Lipoproteins in Shigella flexneri Culture Supernatants. Infection and Immunity, 2001, 69, 6248-6255.	1.0	43
64	The regulatory protein PhoP controls susceptibility to the host inflammatory response in Shigella flexneri. Cellular Microbiology, 2000, 2, 443-452.	1.1	87
65	Caspase-1 Activation of IL-1 $\beta$ and IL-18 Are Essential for Shigella flexneri-Induced Inflammation. Immunity, 2000, 12, 581-590.	6.6	366
66	The selC-associated SHI-2 pathogenicity island of Shigella flexneri. Molecular Microbiology, 1999, 33, 74-83.	1.2	127
67	Shigella-induced Apoptosis Is Dependent on Caspase-1 Which Binds to IpaB. Journal of Biological Chemistry, 1998, 273, 32895-32900.	1.6	363
68	IpaB mediates macrophage apoptosis induced by Shigella flexneri. Molecular Microbiology, 1994, 11, 619-627.	1.2	251
69	Molecular and Cellular Mechanisms of Tissue Invasion by Shigella flexneri. Annals of the New York Academy of Sciences, 1994, 730, 197-208.	1.8	44
70	Antimicrobial Mechanisms of Neutrophils. , 0, , 17-29.		0
71	Apoptosis and Enteric Bacterial Infections. , 0, , 367-383.		1