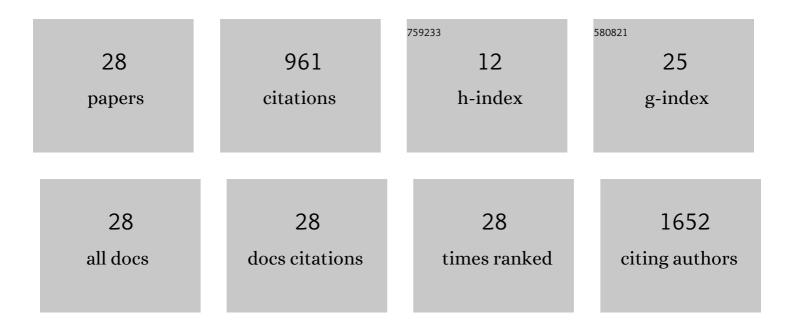
Sachin Kumar

List of Publications by Year in descending order

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SACHINI KUMAD

#	Article	IF	CITATIONS
1	Metabolic Insight of Neutrophils in Health and Disease. Frontiers in Immunology, 2019, 10, 2099.	4.8	154
2	Nitric oxide donors release extracellular traps from human neutrophils by augmenting free radical generation. Nitric Oxide - Biology and Chemistry, 2010, 22, 226-234.	2.7	143
3	HSC Niche Biology and HSC Expansion Ex Vivo. Trends in Molecular Medicine, 2017, 23, 799-819.	6.7	120
4	Cdc42 regulates neutrophil migration via crosstalk between WASp, CD11b, and microtubules. Blood, 2012, 120, 3563-3574.	1.4	98
5	Neutrophil extracellular traps contain mitochondrial as well as nuclear DNA and exhibit inflammatory potential. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2012, 81A, 238-247.	1.5	97
6	Glycolysis dependent lactate formation in neutrophils: A metabolic link between NOX-dependent and independent NETosis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 165542.	3.8	68
7	The small GTPase Rap1b negatively regulates neutrophil chemotaxis and transcellular diapedesis by inhibiting Akt activation. Journal of Experimental Medicine, 2014, 211, 1741-1758.	8.5	55
8	p190-B RhoGAP and intracellular cytokine signals balance hematopoietic stem and progenitor cell self-renewal and differentiation. Nature Communications, 2017, 8, 14382.	12.8	35
9	Neutrophil and remnant clearance in immunity and inflammation. Immunology, 2022, 165, 22-43.	4.4	30
10	Functional and molecular characterization of NOS isoforms in rat neutrophil precursor cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 467-477.	1.5	24
11	S-Clutathionylation of p47phox sustains superoxide generation in activated neutrophils. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 444-454.	4.1	23
12	An efficient and reproducible process for transmission electron microscopy (TEM) of rare cell populations. Journal of Immunological Methods, 2014, 404, 87-90.	1.4	20
13	L-Arginine and tetrahydrobiopterin supported nitric oxide production is crucial for the microbicidal activity of neutrophils. Free Radical Research, 2019, 53, 281-292.	3.3	18
14	Catalase S-Glutathionylation by NOX2 and Mitochondrial-Derived ROS Adversely Affects Mice and Human Neutrophil Survival. Inflammation, 2019, 42, 2286-2296.	3.8	11
15	An Imaging and Computational Algorithm for Efficient Identification and Quantification of Neutrophil Extracellular Traps. Cells, 2022, 11, 191.	4.1	10
16	Augmentation of iNOS expression in myeloid progenitor cells expedites neutrophil differentiation. Journal of Leukocyte Biology, 2019, 106, 397-412.	3.3	9
17	Pyroptotic and apoptotic cell death in iNOS and nNOS overexpressing K562 cells: A mechanistic insight. Biochemical Pharmacology, 2020, 176, 113779.	4.4	9
18	nNOS induction and NOSIP interaction impact granulopoiesis and neutrophil differentiation by modulating nitric oxide generation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119018.	4.1	9

SACHIN KUMAR

#	Article	IF	CITATIONS
19	An Alternative Approach for Sample Preparation with Low Cell Number for TEM Analysis. Journal of Visualized Experiments, 2016, , .	0.3	8
20	Rho signaling inhibition mitigates lung injury via targeting neutrophil recruitment and selectin-AKT signaling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119122.	4.1	6
21	Repolarization of HSC attenuates HSCs failure in Shwachman–Diamond syndrome. Leukemia, 2021, 35, 1751-1762.	7.2	5
22	Inflammation rapidly recruits mammalian GMP and MDP from bone marrow into regional lymphatics. ELife, 2021, 10, .	6.0	5
23	Nitrite-Mediated Modulation of HL-60 Cell Cycle and Proliferation: Involvement of Cyclin-Dependent Kinase 2 Activation. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 812-821.	2.5	2
24	Nitric oxide dependent increase in free radical generation mediates release of extracellular traps from human neutrophils. FASEB Journal, 2009, 23, 890.10.	0.5	1
25	Molecular, biochemical characterization and localization of neuronal nitric oxide synthase in human neutrophil. FASEB Journal, 2010, 24, 984.17.	0.5	1
26	New Insight into the NOâ€mediated Signaling to Modulate Neutrophil Free Radical Generation. FASEB Journal, 2007, 21, A623.	0.5	0
27	Nitric oxide synthesis in neutrophil precursor cells and effect of nitric oxide modulators on their maturation. FASEB Journal, 2008, 22, 749.5.	0.5	0
28	Biphasic regulation of cell cycle by nitric oxide donors in promyelocytic HLâ€60 cell line. FASEB Journal, 2009, 23, 890.11.	0.5	0