

Sachin Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

961
citations

759233

12
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

1652
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrophil and remnant clearance in immunity and inflammation. <i>Immunology</i> , 2022, 165, 22-43.	4.4	30
2	An Imaging and Computational Algorithm for Efficient Identification and Quantification of Neutrophil Extracellular Traps. <i>Cells</i> , 2022, 11, 191.	4.1	10
3	Repolarization of HSC attenuates HSCs failure in Shwachmanâ€™Diamond syndrome. <i>Leukemia</i> , 2021, 35, 1751-1762.	7.2	5
4	Inflammation rapidly recruits mammalian GMP and MDP from bone marrow into regional lymphatics. <i>ELife</i> , 2021, 10, .	6.0	5
5	nNOS induction and NOSIP interaction impact granulopoiesis and neutrophil differentiation by modulating nitric oxide generation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 119018.	4.1	9
6	Rho signaling inhibition mitigates lung injury via targeting neutrophil recruitment and selectin-AKT signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 119122.	4.1	6
7	Pyroptotic and apoptotic cell death in iNOS and nNOS overexpressing K562 cells: A mechanistic insight. <i>Biochemical Pharmacology</i> , 2020, 176, 113779.	4.4	9
8	Catalase S-Glutathionylation by NOX2 and Mitochondrial-Derived ROS Adversely Affects Mice and Human Neutrophil Survival. <i>Inflammation</i> , 2019, 42, 2286-2296.	3.8	11
9	Glycolysis dependent lactate formation in neutrophils: A metabolic link between NOX-dependent and independent NETosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 165542.	3.8	68
10	Metabolic Insight of Neutrophils in Health and Disease. <i>Frontiers in Immunology</i> , 2019, 10, 2099.	4.8	154
11	Augmentation of iNOS expression in myeloid progenitor cells expedites neutrophil differentiation. <i>Journal of Leukocyte Biology</i> , 2019, 106, 397-412.	3.3	9
12	L-Arginine and tetrahydrobiopterin supported nitric oxide production is crucial for the microbicidal activity of neutrophils. <i>Free Radical Research</i> , 2019, 53, 281-292.	3.3	18
13	S-Glutathionylation of p47phox sustains superoxide generation in activated neutrophils. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 444-454.	4.1	23
14	p190-B RhoGAP and intracellular cytokine signals balance hematopoietic stem and progenitor cell self-renewal and differentiation. <i>Nature Communications</i> , 2017, 8, 14382.	12.8	35
15	HSC Niche Biology and HSC Expansion Ex Vivo. <i>Trends in Molecular Medicine</i> , 2017, 23, 799-819.	6.7	120
16	An Alternative Approach for Sample Preparation with Low Cell Number for TEM Analysis. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	8
17	The small GTPase Rap1b negatively regulates neutrophil chemotaxis and transcellular diapedesis by inhibiting Akt activation. <i>Journal of Experimental Medicine</i> , 2014, 211, 1741-1758.	8.5	55
18	An efficient and reproducible process for transmission electron microscopy (TEM) of rare cell populations. <i>Journal of Immunological Methods</i> , 2014, 404, 87-90.	1.4	20

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19	Cdc42 regulates neutrophil migration via crosstalk between WASp, CD11b, and microtubules. <i>Blood</i> , 2012, 120, 3563-3574.	1.4	98
20	Neutrophil extracellular traps contain mitochondrial as well as nuclear DNA and exhibit inflammatory potential. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012, 81A, 238-247.	1.5	97
21	Nitrite-Mediated Modulation of HL-60 Cell Cycle and Proliferation: Involvement of Cyclin-Dependent Kinase 2 Activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 337, 812-821.	2.5	2
22	Functional and molecular characterization of NOS isoforms in rat neutrophil precursor cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010, 77A, 467-477.	1.5	24
23	Nitric oxide donors release extracellular traps from human neutrophils by augmenting free radical generation. <i>Nitric Oxide - Biology and Chemistry</i> , 2010, 22, 226-234.	2.7	143
24	Molecular, biochemical characterization and localization of neuronal nitric oxide synthase in human neutrophil. <i>FASEB Journal</i> , 2010, 24, 984.17.	0.5	1
25	Biphasic regulation of cell cycle by nitric oxide donors in promyelocytic HL-60 cell line. <i>FASEB Journal</i> , 2009, 23, 890.11.	0.5	0
26	Nitric oxide dependent increase in free radical generation mediates release of extracellular traps from human neutrophils. <i>FASEB Journal</i> , 2009, 23, 890.10.	0.5	1
27	Nitric oxide synthesis in neutrophil precursor cells and effect of nitric oxide modulators on their maturation. <i>FASEB Journal</i> , 2008, 22, 749.5.	0.5	0
28	New Insight into the NO-mediated Signaling to Modulate Neutrophil Free Radical Generation. <i>FASEB Journal</i> , 2007, 21, A623.	0.5	0