

Sachin Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9784771/publications.pdf>

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	Metabolic Insight of Neutrophils in Health and Disease. <i>Frontiers in Immunology</i> , 2019, 10, 2099.	4.8	154
2	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
3	HSC Niche Biology and HSC Expansion Ex Vivo. <i>Trends in Molecular Medicine</i> , 2017, 23, 799-819.	6.7	120
4	Cdc42 regulates neutrophil migration via crosstalk between WASp, CD11b, and microtubules. <i>Blood</i> , 2012, 120, 3563-3574.	1.4	98
5	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
6	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
7	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
8	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
9	Neutrophil and remnant clearance in immunity and inflammation. <i>Immunology</i> , 2022, 165, 22-43.	4.4	30
10	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
11	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
12	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
13	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
14	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
15	An Imaging and Computational Algorithm for Efficient Identification and Quantification of Neutrophil Extracellular Traps. <i>Cells</i> , 2022, 11, 191.	4.1	10
16	Augmentation of iNOS expression in myeloid progenitor cells expedites neutrophil differentiation. <i>Journal of Leukocyte Biology</i> , 2019, 106, 397-412.	3.3	9
17	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
18	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

#	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 Shwachmanâ€™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