

Sussan Nourshargh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

7,865
citations

29
h-index

55
g-index

55
ext. papers

9,418
ext. citations

13.5
avg, IF

6.07
L-index

#	Paper	IF	Citations
54	Cardiovascular Progerin Suppression and Lamin A Restoration Rescue Hutchinson-Gilford Progeria Syndrome. <i>Circulation</i> , 2021 , 144, 1777-1794	16.7	2
53	Endothelial cell autophagy keeps neutrophil trafficking under control. <i>Autophagy</i> , 2021 , 1-3	10.2	
52	Isoprenylcysteine Carboxylmethyltransferase-Based Therapy for Hutchinson-Gilford Progeria Syndrome. <i>ACS Central Science</i> , 2021 , 7, 1300-1310	16.8	5
51	Age-related changes in the local milieu of inflamed tissues cause aberrant neutrophil trafficking and subsequent remote organ damage. <i>Immunity</i> , 2021 , 54, 1494-1510.e7	32.3	15
50	Circulating BMP9 Protects the Pulmonary Endothelium during Inflammation-induced Lung Injury in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 1419-1430	10.2	10
49	Autophagy modulates endothelial junctions to restrain neutrophil diapedesis during inflammation. <i>Immunity</i> , 2021 , 54, 1989-2004.e9	32.3	10
48	Local microvascular leakage promotes trafficking of activated neutrophils to remote organs. <i>Journal of Clinical Investigation</i> , 2020 , 130, 2301-2318	15.9	31
47	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	6.1	485
46	Neutrophil elastase plays a non-redundant role in remodeling the venular basement membrane and neutrophil diapedesis post-ischemia/reperfusion injury. <i>Journal of Pathology</i> , 2019 , 248, 88-102	9.4	14
45	Heparanase-Dependent Remodeling of Initial Lymphatic Glycocalyx Regulates Tissue-Fluid Drainage During Acute Inflammation. <i>Frontiers in Immunology</i> , 2019 , 10, 2316	8.4	13
44	Development of a CRISPR/Cas9-based therapy for Hutchinson-Gilford progeria syndrome. <i>Nature Medicine</i> , 2019 , 25, 423-426	50.5	62
43	Leukocyte Trafficking: Time to Take Time Seriously. <i>Immunity</i> , 2019 , 50, 273-275	32.3	8
42	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. <i>PLoS Biology</i> , 2019 , 17, e3000554	9.7	7
41	Neutrophil trafficking to lymphoid tissues: physiological and pathological implications. <i>Journal of Pathology</i> , 2019 , 247, 662-671	9.4	20
40	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration 2019 , 17, e3000554		
39	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration 2019 , 17, e3000554		
38	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration 2019 , 17, e3000554		

37	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration 2019 , 17, e3000554		
36	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration 2019 , 17, e3000554		
35	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration 2019 , 17, e3000554		
34	Genetic and Pharmacologic Inhibition of the Neutrophil Elastase Inhibits Experimental Atherosclerosis. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	23
33	Design of an Activity-Based Probe for Human Neutrophil Elastase: Implementation of the Lossen Rearrangement To Induce Förster Resonance Energy Transfers. <i>Biochemistry</i> , 2018 , 57, 742-752	3.2	20
32	Human CD8 EMRA T cells display a senescence-associated secretory phenotype regulated by p38 MAPK. <i>Aging Cell</i> , 2018 , 17, e12675	9.9	97
31	Distinct Compartmentalization of the Chemokines CXCL1 and CXCL2 and the Atypical Receptor ACKR1 Determine Discrete Stages of Neutrophil Diapedesis. <i>Immunity</i> , 2018 , 49, 1062-1076.e6	32.3	119
30	Leukocytes Breach Endothelial Barriers by Insertion of Nuclear Lobes and Disassembly of Endothelial Actin Filaments. <i>Cell Reports</i> , 2017 , 18, 685-699	10.6	62
29	Galectin-3: A Positive Regulator of Leukocyte Recruitment in the Inflamed Microcirculation. <i>Journal of Immunology</i> , 2017 , 198, 4458-4469	5.3	36
28	Endogenous TNF α orchestrates the trafficking of neutrophils into and within lymphatic vessels during acute inflammation. <i>Scientific Reports</i> , 2017 , 7, 44189	4.9	35
27	Guidelines for the use of flow cytometry and cell sorting in immunological studies. <i>European Journal of Immunology</i> , 2017 , 47, 1584-1797	6.1	359
26	Signatures of inflammation and impending multiple organ dysfunction in the hyperacute phase of trauma: A prospective cohort study. <i>PLoS Medicine</i> , 2017 , 14, e1002352	11.6	49
25	Effects of PI and PIII Snake Venom Haemorrhagic Metalloproteinases on the Microvasculature: A Confocal Microscopy Study on the Mouse Cremaster Muscle. <i>PLoS ONE</i> , 2016 , 11, e0168643	3.7	9
24	Reverse Migration of Neutrophils: Where, When, How, and Why?. <i>Trends in Immunology</i> , 2016 , 37, 273-286	14.4	99
23	ICAM-1-expressing neutrophils exhibit enhanced effector functions in murine models of endotoxemia. <i>Blood</i> , 2016 , 127, 898-907	2.2	66
22	Underlying chronic inflammation alters the profile and mechanisms of acute neutrophil recruitment. <i>Journal of Pathology</i> , 2016 , 240, 291-303	9.4	4
21	Endothelial Cell Junctional Adhesion Molecules: Role and Regulation of Expression in Inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 2048-2057	9.4	102
20	Leukotriene B ₄ -Neutrophil Elastase Axis Drives Neutrophil Reverse Transendothelial Cell Migration In Vivo. <i>Immunity</i> , 2015 , 42, 1075-86	32.3	150

19	Tissue localization and extracellular matrix degradation by PI, PII and PIII snake venom metalloproteinases: clues on the mechanisms of venom-induced hemorrhage. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003731	4.8	64
18	Novel whole blood assay for phenotyping platelet reactivity in mice identifies ICAM-1 as a mediator of platelet-monocyte interaction. <i>Blood</i> , 2015 , 126, e11-8	2.2	20
17	Leukocyte migration into inflamed tissues. <i>Immunity</i> , 2014 , 41, 694-707	32.3	636
16	Neutrophils recruited by chemoattractants in vivo induce microvascular plasma protein leakage through secretion of TNF. <i>Journal of Experimental Medicine</i> , 2014 , 211, 1307-14	16.6	75
15	Shed syndecan-2 inhibits angiogenesis. <i>Journal of Cell Science</i> , 2014 , 127, 4788-99	5.3	52
14	Neutrophil transmigration: emergence of an adhesive cascade within venular walls. <i>Journal of Innate Immunity</i> , 2013 , 5, 336-47	6.9	77
13	Pericytes support neutrophil subendothelial cell crawling and breaching of venular walls in vivo. <i>Journal of Experimental Medicine</i> , 2012 , 209, 1219-34	16.6	320
12	The junctional adhesion molecule JAM-C regulates polarized transendothelial migration of neutrophils in vivo. <i>Nature Immunology</i> , 2011 , 12, 761-9	19.1	404
11	Breaching multiple barriers: leukocyte motility through venular walls and the interstitium. <i>Nature Reviews Molecular Cell Biology</i> , 2010 , 11, 366-78	48.7	423
10	Venular basement membranes ubiquitously express matrix protein low-expression regions: characterization in multiple tissues and remodeling during inflammation. <i>American Journal of Pathology</i> , 2010 , 176, 482-95	5.8	102
9	An investigation into the profile and dynamics of neutrophil transendothelial cell migration (TEM) using high resolution in vivo real-time confocal imaging. <i>FASEB Journal</i> , 2010 , 24, 232.2	0.9	
8	Monocytes and neutrophils exhibit both distinct and common mechanisms in penetrating the vascular basement membrane in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1193-9 ² 4	9.4	92
7	Endothelial cell activation leads to neutrophil transmigration as supported by the sequential roles of ICAM-2, JAM-A, and PECAM-1. <i>Blood</i> , 2009 , 113, 6246-57	2.2	151
6	Effect of soluble JAM-C on leukocyte transmigration in models of ischemia/reperfusion injury. <i>FASEB Journal</i> , 2009 , 23, 360.3	0.9	
5	Pericytes facilitate leukocyte transmigration in vivo. <i>FASEB Journal</i> , 2009 , 23, 360.1	0.9	
4	Getting to the site of inflammation: the leukocyte adhesion cascade updated. <i>Nature Reviews Immunology</i> , 2007 , 7, 678-89	36.5	2949
3	JAM-C regulates unidirectional monocyte transendothelial migration in inflammation. <i>Blood</i> , 2007 , 110, 2545-55	2.2	118
2	Venular basement membranes contain specific matrix protein low expression regions that act as exit points for emigrating neutrophils. <i>Journal of Experimental Medicine</i> , 2006 , 203, 1519-32	16.6	289

- 1 PECAM-1 (CD31) homophilic interaction up-regulates alpha6beta1 on transmigrated neutrophils in vivo and plays a functional role in the ability of alpha6 integrins to mediate leukocyte migration through the perivascular basement membrane. *Journal of Experimental Medicine*, **2002**, 196, 1201-11 16.6 181