

# Sussan Nourshargh

## List of Publications by Citations

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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	Getting to the site of inflammation: the leukocyte adhesion cascade updated. <i>Nature Reviews Immunology</i> , <b>2007</b> , 7, 678-89	36.5	2949
53	Leukocyte migration into inflamed tissues. <i>Immunity</i> , <b>2014</b> , 41, 694-707	32.3	636
52	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , <b>2019</b> , 49, 1457-1973	6.1	485
51	Breaching multiple barriers: leukocyte motility through venular walls and the interstitium. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 366-78	48.7	423
50	The junctional adhesion molecule JAM-C regulates polarized transendothelial migration of neutrophils in vivo. <i>Nature Immunology</i> , <b>2011</b> , 12, 761-9	19.1	404
49	Guidelines for the use of flow cytometry and cell sorting in immunological studies. <i>European Journal of Immunology</i> , <b>2017</b> , 47, 1584-1797	6.1	359
48	Pericytes support neutrophil subendothelial cell crawling and breaching of venular walls in vivo. <i>Journal of Experimental Medicine</i> , <b>2012</b> , 209, 1219-34	16.6	320
47	Venular basement membranes contain specific matrix protein low expression regions that act as exit points for emigrating neutrophils. <i>Journal of Experimental Medicine</i> , <b>2006</b> , 203, 1519-32	16.6	289
46	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. <i>Journal of Experimental Medicine</i> , <b>2002</b> , 196, 1201-11	16.6	181
45	Endothelial cell activation leads to neutrophil transmigration as supported by the sequential roles of ICAM-2, JAM-A, and PECAM-1. <i>Blood</i> , <b>2009</b> , 113, 6246-57	2.2	151
44	Leukotriene B4-Neutrophil Elastase Axis Drives Neutrophil Reverse Transendothelial Cell Migration In Vivo. <i>Immunity</i> , <b>2015</b> , 42, 1075-86	32.3	150
43	Distinct Compartmentalization of the Chemokines CXCL1 and CXCL2 and the Atypical Receptor ACKR1 Determine Discrete Stages of Neutrophil Diapedesis. <i>Immunity</i> , <b>2018</b> , 49, 1062-1076.e6	32.3	119
42	JAM-C regulates unidirectional monocyte transendothelial migration in inflammation. <i>Blood</i> , <b>2007</b> , 110, 2545-55	2.2	118
41	Venular basement membranes ubiquitously express matrix protein low-expression regions: characterization in multiple tissues and remodeling during inflammation. <i>American Journal of Pathology</i> , <b>2010</b> , 176, 482-95	5.8	102
40	Endothelial Cell Junctional Adhesion Molecules: Role and Regulation of Expression in Inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 2048-2057	9.4	102
39	Reverse Migration of Neutrophils: Where, When, How, and Why?. <i>Trends in Immunology</i> , <b>2016</b> , 37, 273-286	11.4	99
38	Human CD8 EMRA T cells display a senescence-associated secretory phenotype regulated by p38 MAPK. <i>Aging Cell</i> , <b>2018</b> , 17, e12675	9.9	97

37	Monocytes and neutrophils exhibit both distinct and common mechanisms in penetrating the vascular basement membrane in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 1193-9 <sup>9.4</sup>	9.4	92
36	Neutrophil transmigration: emergence of an adhesive cascade within venular walls. <i>Journal of Innate Immunity</i> , <b>2013</b> , 5, 336-47	6.9	77
35	Neutrophils recruited by chemoattractants in vivo induce microvascular plasma protein leakage through secretion of TNF. <i>Journal of Experimental Medicine</i> , <b>2014</b> , 211, 1307-14	16.6	75
34	ICAM-1-expressing neutrophils exhibit enhanced effector functions in murine models of endotoxemia. <i>Blood</i> , <b>2016</b> , 127, 898-907	2.2	66
33	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> , <b>2015</b> , 9, e0003731	4.8	64
32	Leukocytes Breach Endothelial Barriers by Insertion of Nuclear Lobes and Disassembly of Endothelial Actin Filaments. <i>Cell Reports</i> , <b>2017</b> , 18, 685-699	10.6	62
31	Development of a CRISPR/Cas9-based therapy for Hutchinson-Gilford progeria syndrome. <i>Nature Medicine</i> , <b>2019</b> , 25, 423-426	50.5	62
30	Shed syndecan-2 inhibits angiogenesis. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 4788-99	5.3	52
29	Signatures of inflammation and impending multiple organ dysfunction in the hyperacute phase of trauma: A prospective cohort study. <i>PLoS Medicine</i> , <b>2017</b> , 14, e1002352	11.6	49
28	Galectin-3: A Positive Regulator of Leukocyte Recruitment in the Inflamed Microcirculation. <i>Journal of Immunology</i> , <b>2017</b> , 198, 4458-4469	5.3	36
27	Endogenous TNF $\alpha$ orchestrates the trafficking of neutrophils into and within lymphatic vessels during acute inflammation. <i>Scientific Reports</i> , <b>2017</b> , 7, 44189	4.9	35
26	Local microvascular leakage promotes trafficking of activated neutrophils to remote organs. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 2301-2318	15.9	31
25	Genetic and Pharmacologic Inhibition of the Neutrophil Elastase Inhibits Experimental Atherosclerosis. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	23
24	Design of an Activity-Based Probe for Human Neutrophil Elastase: Implementation of the Lossen Rearrangement To Induce Förster Resonance Energy Transfers. <i>Biochemistry</i> , <b>2018</b> , 57, 742-752	3.2	20
23	Novel whole blood assay for phenotyping platelet reactivity in mice identifies ICAM-1 as a mediator of platelet-monocyte interaction. <i>Blood</i> , <b>2015</b> , 126, e11-8	2.2	20
22	Neutrophil trafficking to lymphoid tissues: physiological and pathological implications. <i>Journal of Pathology</i> , <b>2019</b> , 247, 662-671	9.4	20
21	Age-related changes in the local milieu of inflamed tissues cause aberrant neutrophil trafficking and subsequent remote organ damage. <i>Immunity</i> , <b>2021</b> , 54, 1494-1510.e7	32.3	15
20	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> , <b>2019</b> , 248, 88-102	9.4	14

19	Heparanase-Dependent Remodeling of Initial Lymphatic Glycocalyx Regulates Tissue-Fluid Drainage During Acute Inflammation. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2316	8.4	13
18	Circulating BMP9 Protects the Pulmonary Endothelium during Inflammation-induced Lung Injury in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 203, 1419-1430	10.2	10
17	Autophagy modulates endothelial junctions to restrain neutrophil diapedesis during inflammation. <i>Immunity</i> , <b>2021</b> , 54, 1989-2004.e9	32.3	10
16	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> , <b>2016</b> , 11, e0168643	3.7	9
15	Leukocyte Trafficking: Time to Take Time Seriously. <i>Immunity</i> , <b>2019</b> , 50, 273-275	32.3	8
14	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000554	9.7	7
13	Isoprenylcysteine Carboxylmethyltransferase-Based Therapy for Hutchinson-Gilford Progeria Syndrome. <i>ACS Central Science</i> , <b>2021</b> , 7, 1300-1310	16.8	5
12	Underlying chronic inflammation alters the profile and mechanisms of acute neutrophil recruitment. <i>Journal of Pathology</i> , <b>2016</b> , 240, 291-303	9.4	4
11	Cardiovascular Progerin Suppression and Lamin A Restoration Rescue Hutchinson-Gilford Progeria Syndrome. <i>Circulation</i> , <b>2021</b> , 144, 1777-1794	16.7	2
10	Endothelial cell autophagy keeps neutrophil trafficking under control. <i>Autophagy</i> , <b>2021</b> , 1-3	10.2	
9	Effect of soluble JAM-C on leukocyte transmigration in models of ischemia/reperfusion injury. <i>FASEB Journal</i> , <b>2009</b> , 23, 360.3	0.9	
8	Pericytes facilitate leukocyte transmigration in vivo. <i>FASEB Journal</i> , <b>2009</b> , 23, 360.1	0.9	
7	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> , <b>2010</b> , 24, 232.2	0.9	
6	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration <b>2019</b> , 17, e3000554		
5	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration <b>2019</b> , 17, e3000554		
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