Sara M Rankin

List of Publications by Year
in descending order

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54 papers	5,606 citations	172457 29 h-index	182427 51 g-index
54 all docs	54 docs citations	54 times ranked	7268 citing authors

#	Article	IF	Citations
1	Neutrophil kinetics in health and disease. Trends in Immunology, 2010, 31, 318-324.	6.8	875
2	Chemokines Acting via CXCR2 and CXCR4 Control the Release of Neutrophils from the Bone Marrow and Their Return following Senescence. Immunity, 2003, 19, 583-593.	14.3	635
3	Flavonoids inhibit the oxidative modification of low density lipoproteins by macrophages. Biochemical Pharmacology, 1990, 39, 1743-1750.	4.4	566
4	Neutrophil mobilization and clearance in the bone marrow. Immunology, 2008, 125, 281-288.	4.4	370
5	Differential Mobilization of Subsets of Progenitor Cells from the Bone Marrow. Cell Stem Cell, 2009, 4, 62-72.	11.1	264
6	Eotaxin Induces a Rapid Release of Eosinophils and Their Progenitors From the Bone Marrow. Blood, 1998, 91, 2240-2248.	1.4	260
7	Kinetics of Eotaxin Generation and Its Relationship to Eosinophil Accumulation in Allergic Airways Disease: Analysis in a Guinea Pig Model In Vivo. Journal of Experimental Medicine, 1997, 186, 601-612.	8.5	242
8	Eotaxin and eosinophil recruitment: implications for human disease. Trends in Molecular Medicine, 2000, 6, 20-27.	2.6	213
9	The coordinated action of G-CSF and ELR + CXC chemokines in neutrophil mobilization during acute inflammation. Blood, 2008, 111, 42-49.	1.4	196
10	Mechanisms of Acute Eosinophil Mobilization from the Bone Marrow Stimulated by Interleukin 5: The Role of Specific Adhesion Molecules and Phosphatidylinositol 3-Kinase. Journal of Experimental Medicine, 1998, 188, 1621-1632.	8.5	177
11	The role of the bone marrow in neutrophil clearance under homeostatic conditions in the mouse. FASEB Journal, 2008, 22, 3111-3119.	0.5	162
12	The bone marrow: a site of neutrophil clearance. Journal of Leukocyte Biology, 2010, 88, 241-251.	3.3	135
13	Differential Regulation of Human Eosinophil IL-3, IL-5, and GM-CSF Receptor Î±-Chain Expression by Cytokines: IL-3, IL-5, and GM-CSF Down-Regulate IL-5 Receptor Î± Expression with Loss of IL-5 Responsiveness, but Up-Regulate IL-3 Receptor Î± Expression. Journal of Immunology, 2003, 170, 5359-5366.	0.8	121
14	Regulation of Circulating Neutrophil Numbers under Homeostasis and in Disease. Journal of Innate Immunity, 2013, 5, 304-314.	3.8	111
15	Interleukin 5 regulates the isoform expression of its own receptor Î±-subunit. Blood, 2000, 95, 1600-1607.	1.4	104
16	<scp>CXCR</scp>4, the master regulator of neutrophil trafficking in homeostasis and disease. European Journal of Clinical Investigation, 2018, 48, e12949.	3.4	102
17	The CXC chemokine MIP-2 stimulates neutrophil mobilization from the rat bone marrow in a CD49d-dependent manner. Blood, 2005, 105, 2543-2548.	1.4	94
18	Eotaxin-2 Generation Is Differentially Regulated by Lipopolysaccharide and IL-4 in Monocytes and Macrophages. Journal of Immunology, 2002, 168, 1911-1918.	0.8	92

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19	Annexin A1 regulates neutrophil clearance by macrophages in the mouse bone marrow. FASEB Journal, 2012, 26, 387-396.	0.5	73
20	Chemokines in allergic airway disease. Current Opinion in Pharmacology, 2003, 3, 443-448.	3.5	60
21	VEGFR1 stimulates a CXCR4-dependent translocation of megakaryocytes to the vascular niche, enhancing platelet production in mice. Blood, 2012, 120, 2787-2795.	1.4	58
22	The modification of low density lipoprotein by the flavonoids myricetin and gossypetin. Biochemical Pharmacology, 1993, 45, 67-75.	4.4	55
23	Chemokines and adult bone marrow stem cells. Immunology Letters, 2012, 145, 47-54.	2.5	54
24	Migration across the sinusoidal endothelium regulates neutrophil mobilization in response to ELRÂ+ÂCXC chemokines. British Journal of Haematology, 2008, 142, 100-108.	2.5	53
25	CXCR2 Mediates the Recruitment of Endothelial Progenitor Cells During Allergic Airways Remodeling. Stem Cells, 2009, 27, 3074-3081.	3.2	53
26	Structural analogues of AMD3100 mobilise haematopoietic progenitor cells from bone marrow in vivo according to their ability to inhibit CXCL12 binding to CXCR4 in vitro. British Journal of Haematology, 2006, 134, 326-329.	2.5	49
27	The Secretive Life of Neutrophils Revealed by Intravital Microscopy. Frontiers in Cell and Developmental Biology, 2020, 8, 603230.	3.7	36
28	Pericytes contribute to airway remodeling in a mouse model of chronic allergic asthma. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L658-L671.	2.9	35
29	Bone Marrow-Derived Stem Cells and Respiratory Disease. Chest, 2011, 140, 205-211.	0.8	34
30	Eotaxin Induces a Rapid Release of Eosinophils and Their Progenitors From the Bone Marrow. Blood, 1998, 91, 2240-2248.	1.4	29
31	Lung Macrophages Contribute to House Dust Mite Driven Airway Remodeling via HIF-1Î±. PLoS ONE, 2013, 8, e69246.	2.5	28
32	The role of the eosinophil-selective chemokine, eotaxin, in allergic and non-allergic airways inflammation. Memorias Do Instituto Oswaldo Cruz, 1997, 92, 183-191.	1.6	26
33	Prolonged but not short-duration blast waves elicit acute inflammation in a rodent model of primary blast limb trauma. Injury, 2016, 47, 625-632.	1.7	24
34	A role for Rab27 in neutrophil chemotaxis and lung recruitment. BMC Cell Biology, 2014, 15, 39.	3.0	23
35	Macrophages possess both neutral and acidic protease activities toward low density lipoproteins. Atherosclerosis, 1989, 79, 71-78.	0.8	21
36	Rab27a mediated protease release regulates neutrophil recruitment by allowing uropod detachment.. Journal of Cell Science, 2012, 125, 1652-6.	2.0	19

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37	Two distinct CXCR4 antagonists mobilize progenitor cells in mice by different mechanisms. Blood Advances, 2017, 1, 1934-1943.	5.2	19
38	The modification of low-density lipoproteins by macrophages in relation to atherosclerosis. Biochemical Society Transactions, 1987, 15, 485-486.	3.4	18
39	Troubleshooting: Quantification of mobilization of progenitor cell subsets from bone marrow in vivo. Journal of Pharmacological and Toxicological Methods, 2010, 61, 113-121.	0.7	18
40	Impact of bone marrow on respiratory disease. Current Opinion in Pharmacology, 2008, 8, 236-241.	3.5	16
41	CD43Lo classical monocytes participate in the cellular immune response to isolated primary blast lung injury. Journal of Trauma and Acute Care Surgery, 2016, 81, 500-511.	2.1	16
42	An In Vitro Model for the Development of Mature Bone Containing an Osteocyte Network. Advanced Biology, 2018, 2, 1700156.	3.0	16
43	Interaction of monodispersed strontium containing bioactive glass nanoparticles with macrophages. Materials Science and Engineering C, 2022, 133, 112610.	7.3	15
44	Macrophage proteases can modify low density lipoproteins to increase their uptake by macrophages. FEBS Letters, 1990, 269, 209-212.	2.8	13
45	Modification of low-density lipoproteins by flavonoids. Biochemical Society Transactions, 1990, 18, 1172-1173.	3.4	11
46	Pharmacological tools to mobilise mesenchymal stromal cells into the blood promote bone formation after surgery. Npj Regenerative Medicine, 2020, 5, 3.	5.2	6
47	Platform development for primary blast injury studies. Trauma, 2019, 21, 141-146.	0.5	3
48	Organotypic Bone Culture: An In Vitro Model for the Development of Mature Bone Containing an Osteocyte Network (Adv. Biosys. 2/2018). Advanced Biology, 2018, 2, 1870012.	3.0	2
49	Combinatorial Stem Cell Mobilization in Animal Models. Methods in Molecular Biology, 2012, 904, 139-154.	0.9	2
50	Macrophages contain neutral protease activity toward low-density lipoproteins. Biochemical Society Transactions, 1986, 14, 1084-1085.	3.4	1
51	Osteogenic differentiation of periosteum-derived stromal cells in blast-associated traumatic loading. AIP Conference Proceedings, 2018, , .	0.4	1
52	Potential Use of CXCR4 Antagonists to Mobilize Endothelial and Mesenchymal Stem Cells. , 2012, , 423-437.		0
53	Replicating landmine blast loading in cellular in vitro models. Physical Biology, 2020, 17, 056001.	1.8	0
54	Chemokines and Phagocyte Trafficking. , 0, , 93-106.		0