

Barbara Rossi

List of Publications by Year in descending order

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45
papers

4,746
citations

218677

26
h-index

315739

38
g-index

48
all docs

48
docs citations

48
times ranked

7264
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurosphere-derived multipotent precursors promote neuroprotection by an immunomodulatory mechanism. <i>Nature</i> , 2005, 436, 266-271.	27.8	756
2	Neutrophils promote Alzheimer's disease-like pathology and cognitive decline via LFA-1 integrin. <i>Nature Medicine</i> , 2015, 21, 880-886.	30.7	589
3	A role for leukocyte-endothelial adhesion mechanisms in epilepsy. <i>Nature Medicine</i> , 2008, 14, 1377-1383.	30.7	453
4	Regulation of leukocyte recruitment by the long pentraxin PTX3. <i>Nature Immunology</i> , 2010, 11, 328-334.	14.5	396
5	Adipose-Derived Mesenchymal Stem Cells Ameliorate Chronic Experimental Autoimmune Encephalomyelitis. <i>Stem Cells</i> , 2009, 27, 2624-2635.	3.2	370
6	Intraarterial Injection of Muscle-Derived Cd34+Sca-1+ Stem Cells Restores Dystrophin in mdx Mice. <i>Journal of Cell Biology</i> , 2001, 152, 335-348.	5.2	248
7	Molecular Mechanisms Involved in Lymphocyte Recruitment in Inflamed Brain Microvessels: Critical Roles for P-Selectin Glycoprotein Ligand-1 and Heterotrimeric Gi-Linked Receptors. <i>Journal of Immunology</i> , 2002, 168, 1940-1949.	0.8	246
8	Complete repair of dystrophic skeletal muscle by mesoangioblasts with enhanced migration ability. <i>Journal of Cell Biology</i> , 2006, 174, 231-243.	5.2	187
9	CD8+ T cells from patients with acute multiple sclerosis display selective increase of adhesiveness in brain venules: a critical role for P-selectin glycoprotein ligand-1. <i>Blood</i> , 2003, 101, 4775-4782.	1.4	165
10	In vitro Models of Neurodegenerative Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 328.	3.7	149
11	Vascular inflammation in central nervous system diseases: adhesion receptors controlling leukocyte-endothelial interactions. <i>Journal of Leukocyte Biology</i> , 2010, 89, 539-556.	3.3	136
12	Regulation of conformation-specific activation of the integrin LFA-1 by a chemokine-triggered Rho signaling module. <i>Nature Immunology</i> , 2009, 10, 185-194.	14.5	128
13	The Src Family Kinases Hck and Fgr Are Dispensable for Inside-Out, Chemoattractant-Induced Signaling Regulating β 2 Integrin Affinity and Valency in Neutrophils, but Are Required for β 2 Integrin-Mediated Outside-In Signaling Involved in Sustained Adhesion. <i>Journal of Immunology</i> , 2006, 177, 604-611.	0.8	110
14	Mutations of Cystic Fibrosis Transmembrane Conductance Regulator Gene Cause a Monocyte-Selective Adhesion Deficiency. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1123-1133.	5.6	62
15	TIM-1 Glycoprotein Binds the Adhesion Receptor P-Selectin and Mediates T Cell Trafficking during Inflammation and Autoimmunity. <i>Immunity</i> , 2014, 40, 542-553.	14.3	60
16	Identification of a putative pathway for the muscle homing of stem cells in a muscular dystrophy model. <i>Journal of Cell Biology</i> , 2003, 162, 511-520.	5.2	59
17	Multicolor core/shell silicananoparticles for in vivo and ex vivo imaging. <i>Nanoscale</i> , 2012, 4, 824-830.	5.6	55
18	Anti-Selectin Therapy for the Treatment of Inflammatory Diseases. <i>Inflammation and Allergy: Drug Targets</i> , 2008, 7, 85-93.	1.8	54

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19	Efficient Recruitment of Lymphocytes in Inflamed Brain Venules Requires Expression of Cutaneous Lymphocyte Antigen and Fucosyltransferase-VII. <i>Journal of Immunology</i> , 2005, 174, 5805-5813.	0.8	50
20	Regulatory T Cells Suppress the Late Phase of the Immune Response in Lymph Nodes through P-Selectin Glycoprotein Ligand-1. <i>Journal of Immunology</i> , 2013, 191, 5489-5500.	0.8	47
21	Blockade of $\alpha 4$ integrins reduces leukocyte-endothelial interactions in cerebral vessels and improves memory in a mouse model of Alzheimer's disease. <i>Scientific Reports</i> , 2019, 9, 12055.	3.3	44
22	Use of imaging to study leukocyte trafficking in the central nervous system. <i>Immunology and Cell Biology</i> , 2013, 91, 271-280.	2.3	43
23	Fam65b Is a New Transcriptional Target of FOXO1 That Regulates RhoA Signaling for T Lymphocyte Migration. <i>Journal of Immunology</i> , 2013, 190, 748-755.	0.8	42
24	JAK tyrosine kinases promote hierarchical activation of Rho and Rap modules of integrin activation. <i>Journal of Cell Biology</i> , 2013, 203, 1003-1019.	5.2	35
25	Live Imaging of Immune Responses in Experimental Models of Multiple Sclerosis. <i>Frontiers in Immunology</i> , 2016, 7, 506.	4.8	34
26	Common Peripheral Immunity Mechanisms in Multiple Sclerosis and Alzheimer's Disease. <i>Frontiers in Immunology</i> , 2021, 12, 639369.	4.8	33
27	A Stochastic Process Algebra Approach to Simulation of Autoreactive Lymphocyte Recruitment. <i>Simulation</i> , 2004, 80, 273-288.	1.8	30
28	The emerging role of neutrophils in neurodegeneration. <i>Immunobiology</i> , 2020, 225, 151865.	1.9	27
29	VCAM-1 expression on dystrophic muscle vessels has a critical role in the recruitment of human blood-derived CD133+ stem cells after intra-arterial transplantation. <i>Blood</i> , 2006, 108, 2857-66.	1.4	25
30	Inverse agonism of cannabinoid CB1 receptor blocks the adhesion of encephalitogenic T cells in inflamed brain venules by a protein kinase A-dependent mechanism. <i>Journal of Neuroimmunology</i> , 2011, 233, 97-105.	2.3	21
31	Histamine regulates autoreactive T cell activation and adhesiveness in inflamed brain microcirculation. <i>Journal of Leukocyte Biology</i> , 2010, 89, 259-267.	3.3	21
32	Small-animal radionuclide luminescence imaging of thyroid and salivary glands with Tc99m-pertechnetate. <i>Journal of Biomedical Optics</i> , 2013, 18, 076005.	2.6	21
33	LFA-1 Controls Th1 and Th17 Motility Behavior in the Inflamed Central Nervous System. <i>Frontiers in Immunology</i> , 2019, 10, 2436.	4.8	19
34	Integration and independent acquisition of specialized skin- versus gut-homing and Th1 versus Th2 cytokine synthesis phenotypes in human CD4+ T cells. <i>European Journal of Immunology</i> , 2004, 34, 2419-2429.	2.9	18
35	Transplantation Potential of Peripheral Whole Blood Primed by VACOP-B Chemotherapy Plus Filgrastim (r-metHuG-CSF) in Patients with Aggressive Non-Hodgkin's Lymphoma. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2000, 9, 673-682.	1.8	5
36	Effect of Addition of FLT-3 Ligand and Megakaryocyte Growth and Development Factor on Hemopoietic Cells in Serum-Free Conditions. <i>Stem Cells and Development</i> , 2004, 13, 362-371.	2.1	5

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37	Elderly patient: which vascular access? Choice and management of vascular access in the elderly patient. <i>Nephrology @ Point of Care</i> , 2018, 4, 205930071875562.	0.2	1
38	Correction: Complete repair of dystrophic skeletal muscle by mesoangioblasts with enhanced migration ability. <i>Journal of Cell Biology</i> , 2006, 175, 361-361.	5.2	0
39	Correction: Complete repair of dystrophic skeletal muscle by mesoangioblasts with enhanced migration abilit. <i>Journal of Cell Biology</i> , 2006, 174, 605-605.	5.2	0
40	F.115. Histamine Regulates Myelin-activated T Cell Function and Adhesiveness in Inflamed Brain Microcirculation. <i>Clinical Immunology</i> , 2009, 131, S124.	3.2	0
41	LFA-1 integrin controls Th1 and Th17 intraparenchymal motility behavior in the central nervous system during experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2014, 275, 70.	2.3	0
42	TIM-1 is a novel trafficking receptor controlling T cell recruitment in the CNS and induction of experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2014, 275, 196.	2.3	0
43	Alpha 4 beta 7 integrin selectively controls Th17 cell recruitment to the central nervous system during experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2014, 275, 33.	2.3	0
44	Krebs cycle potentiation has immunosuppressive effects and inhibits experimental autoimmune encephalomyelitis development. <i>Journal of Neuroimmunology</i> , 2014, 275, 214.	2.3	0
45	Complete repair of dystrophic skeletal muscle by mesoangioblasts with enhanced migration ability. <i>Journal of Experimental Medicine</i> , 2006, 203, i21-i21.	8.5	0