

Michel Aurrand-Lions

List of Publications by Citations

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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.

90
papers

4,706
citations

35
h-index

67
g-index

99
ext. papers

5,159
ext. citations

9.4
avg, IF

5.12
L-index

#	Paper	IF	Citations
90	Adhesion mechanisms regulating the migration of monocytes. <i>Nature Reviews Immunology</i> , 2004 , 4, 432-445	38.5	409
89	Dual role of macrophages in tumor growth and angiogenesis. <i>Journal of Leukocyte Biology</i> , 2006 , 80, 705-13	6.5	223
88	Heterogeneity of endothelial junctions is reflected by differential expression and specific subcellular localization of the three JAM family members. <i>Blood</i> , 2001 , 98, 3699-707	2.2	223
87	Spermatid differentiation requires the assembly of a cell polarity complex downstream of junctional adhesion molecule-C. <i>Nature</i> , 2004 , 431, 320-4	50.4	218
86	The junctional adhesion molecule (JAM) family members JAM-2 and JAM-3 associate with the cell polarity protein PAR-3: a possible role for JAMs in endothelial cell polarity. <i>Journal of Cell Science</i> , 2003 , 116, 3879-91	5.3	212
85	Homing phenotypes of tumor-specific CD8 T cells are predetermined at the tumor site by crosspresenting APCs. <i>Immunity</i> , 2005 , 22, 175-84	32.3	186
84	JAM-2, a novel immunoglobulin superfamily molecule, expressed by endothelial and lymphatic cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 2733-41	5.4	181
83	Junctional adhesion molecule-2 (JAM-2) promotes lymphocyte transendothelial migration. <i>Blood</i> , 2002 , 100, 2479-86	2.2	158
82	Crystal structure of human junctional adhesion molecule 1: implications for reovirus binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 5366-71	11.5	128
81	Vanin-1, a novel GPI-linked perivascular molecule involved in thymus homing. <i>Immunity</i> , 1996 , 5, 391-405	32.3	122
80	JAM-C regulates unidirectional monocyte transendothelial migration in inflammation. <i>Blood</i> , 2007 , 110, 2545-55	2.2	118
79	Presence of CD4+CD8+ double-positive T cells with very high interleukin-4 production potential in lesional skin of patients with systemic sclerosis. <i>Arthritis and Rheumatism</i> , 2007 , 56, 3459-67		107
78	Junctional adhesion molecule-C regulates the early influx of leukocytes into tissues during inflammation. <i>Journal of Immunology</i> , 2005 , 174, 6406-15	5.3	106
77	Junctional adhesion molecule a serves as a receptor for prototype and field-isolate strains of mammalian reovirus. <i>Journal of Virology</i> , 2005 , 79, 7967-78	6.6	105
76	Tumour angiogenesis is reduced in the Tc1 mouse model of Down β syndrome. <i>Nature</i> , 2010 , 465, 813-7	50.4	101
75	Dual interaction of JAM-C with JAM-B and alpha(M)beta2 integrin: function in junctional complexes and leukocyte adhesion. <i>Molecular Biology of the Cell</i> , 2005 , 16, 4992-5003	3.5	96
74	Circadian Expression of Migratory Factors Establishes Lineage-Specific Signatures that Guide the Homing of Leukocyte Subsets to Tissues. <i>Immunity</i> , 2018 , 49, 1175-1190.e7	32.3	94

73	Antibody against junctional adhesion molecule-C inhibits angiogenesis and tumor growth. <i>Cancer Research</i> , 2005 , 65, 5703-10	10.1	89
72	A novel immunoglobulin superfamily junctional molecule expressed by antigen presenting cells, endothelial cells and platelets. <i>Molecular Immunology</i> , 1998 , 35, 1111-9	4.3	86
71	JAM family and related proteins in leukocyte migration (Vestweber series). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2104-12	9.4	86
70	JAM-C regulates tight junctions and integrin-mediated cell adhesion and migration. <i>Journal of Biological Chemistry</i> , 2007 , 282, 1830-7	5.4	68
69	Indirect effects of leptin receptor deficiency on lymphocyte populations and immune response in db/db mice. <i>Journal of Immunology</i> , 2006 , 177, 2899-907	5.3	67
68	Somatodendritic Expression of JAM2 Inhibits Oligodendrocyte Myelination. <i>Neuron</i> , 2016 , 91, 824-836	13.9	59
67	Identification of a new stromal cell type involved in the regulation of inflamed B cell follicles. <i>PLoS Biology</i> , 2013 , 11, e1001672	9.7	53
66	Expression and function of junctional adhesion molecule-C in myelinated peripheral nerves. <i>Science</i> , 2007 , 318, 1472-5	33.3	50
65	Junctional adhesion molecule-C mediates leukocyte infiltration in response to ischemia reperfusion injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1509-15	9.4	49
64	cAMP signaling by anthrax edema toxin induces transendothelial cell tunnels, which are resealed by MIM via Arp2/3-driven actin polymerization. <i>Cell Host and Microbe</i> , 2011 , 10, 464-74	23.4	47
63	The human PDZome: a gateway to PSD95-Disc large-zonula occludens (PDZ)-mediated functions. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 2587-603	7.6	43
62	JAM-B regulates maintenance of hematopoietic stem cells in the bone marrow. <i>Blood</i> , 2011 , 118, 4609-12		43
61	Thymocytes and RelB-dependent medullary epithelial cells provide growth-promoting and organization signals, respectively, to thymic medullary stromal cells. <i>European Journal of Immunology</i> , 1997 , 27, 1392-7	6.1	39
60	CD146 expression in human breast cancer cell lines induces phenotypic and functional changes observed in Epithelial to Mesenchymal Transition. <i>PLoS ONE</i> , 2012 , 7, e43752	3.7	39
59	Pulmonary dysfunction and impaired granulocyte homeostasis result in poor survival of Jam-C-deficient mice. <i>Journal of Pathology</i> , 2007 , 212, 198-208	9.4	38
58	CD146 mediates VEGF-induced melanoma cell extravasation through FAK activation. <i>International Journal of Cancer</i> , 2015 , 137, 50-60	7.5	36
57	JAM-C induces endothelial cell permeability through its association and regulation of {beta}3 integrins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1200-6	9.4	35
56	The role of junctional adhesion molecule C (JAM-C) in acute pancreatitis. <i>Journal of Pathology</i> , 2006 , 209, 540-8	9.4	34

55	Nidogen-1 Contributes to the Interaction Network Involved in Pro-B Cell Retention in the Peri-sinusoidal Hematopoietic Stem Cell Niche. <i>Cell Reports</i> , 2019 , 26, 3257-3271.e8	10.6	33
54	Soluble melanoma cell adhesion molecule (sMCAM/sCD146) promotes angiogenic effects on endothelial progenitor cells through angiomin. <i>Journal of Biological Chemistry</i> , 2013 , 288, 8991-9000	5.4	32
53	Neutrophil transmigration under shear flow conditions in vitro is junctional adhesion molecule-C independent. <i>Journal of Immunology</i> , 2007 , 178, 5879-87	5.3	32
52	Role of GM-CSF signaling in cell-based tumor immunization. <i>Blood</i> , 2009 , 113, 6658-68	2.2	30
51	Expression and function of junctional adhesion molecule-C in human and experimental arthritis. <i>Arthritis Research and Therapy</i> , 2007 , 9, R65	5.7	30
50	Function of Jam-B/Jam-C interaction in homing and mobilization of human and mouse hematopoietic stem and progenitor cells. <i>Stem Cells</i> , 2014 , 32, 1043-54	5.8	29
49	Junctional adhesion molecules and interendothelial junctions. <i>Cells Tissues Organs</i> , 2002 , 172, 152-60	2.1	29
48	Overexpression of the Promigratory and Prometastatic PTK7 Receptor Is Associated with an Adverse Clinical Outcome in Colorectal Cancer. <i>PLoS ONE</i> , 2015 , 10, e0123768	3.7	27
47	Importance of junctional adhesion molecule-C for neointimal hyperplasia and monocyte recruitment in atherosclerosis-prone mice-brief report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1161-3	9.4	26
46	Poly(ADP-ribose) polymerase-1 (PARP-1) controls lung cell proliferation and repair after hyperoxia-induced lung damage. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007 , 293, L619-29	5.8	26
45	Two human genes related to murine vanin-1 are located on the long arm of human chromosome 6. <i>Genomics</i> , 1998 , 53, 203-13	4.3	26
44	Protein-Protein Interaction Inhibition (2P2I)-Oriented Chemical Library Accelerates Hit Discovery. <i>ACS Chemical Biology</i> , 2016 , 11, 2140-8	4.9	26
43	The Junctional Adhesion Molecule-B regulates JAM-C-dependent melanoma cell metastasis. <i>FEBS Letters</i> , 2012 , 586, 4046-51	3.8	25
42	Cooperative expression of junctional adhesion molecule-C and -B supports growth and invasion of glioma. <i>Glia</i> , 2010 , 58, 524-37	9	24
41	Loss of partitioning-defective-3/isotype-specific interacting protein (par-3/ASIP) in the elongating spermatid of RA175 (IGSF4A/SynCAM)-deficient mice. <i>American Journal of Pathology</i> , 2007 , 171, 1800-10	5.8	24
40	Bi-allelic JAM2 Variants Lead to Early-Onset Recessive Primary Familial Brain Calcification. <i>American Journal of Human Genetics</i> , 2020 , 106, 412-421	11	23
39	Junctional adhesion molecule (JAM)-C deficient C57BL/6 mice develop a severe hydrocephalus. <i>PLoS ONE</i> , 2012 , 7, e45619	3.7	23
38	Genetic, structural, and chemical insights into the dual function of GRASP55 in germ cell Golgi remodeling and JAM-C polarized localization during spermatogenesis. <i>PLoS Genetics</i> , 2017 , 13, e1006803	6	21

37	Murine Bone Marrow Niches from Hematopoietic Stem Cells to B Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	21
36	KIT-D816V oncogenic activity is controlled by the juxtamembrane docking site Y568-Y570. <i>Oncogene</i> , 2014 , 33, 872-81	9.2	19
35	Adhesion receptors involved in HSC and early-B cell interactions with bone marrow microenvironment. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 687-703	10.3	18
34	Junctional adhesion molecule C (JAM-C) distinguishes CD27+ germinal center B lymphocytes from non-germinal center cells and constitutes a new diagnostic tool for B-cell malignancies. <i>Leukemia</i> , 2007 , 21, 1285-93	10.7	18
33	Endothelial cell junctional adhesion molecule C plays a key role in the development of tumors in a murine model of ovarian cancer. <i>FASEB Journal</i> , 2013 , 27, 4244-53	0.9	16
32	Ptk7-Deficient Mice Have Decreased Hematopoietic Stem Cell Pools as a Result of Deregulated Proliferation and Migration. <i>Journal of Immunology</i> , 2016 , 196, 4367-77	5.3	16
31	Function of junctional adhesion molecules (JAMs) in leukocyte migration and homeostasis. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2013 , 61, 15-23	4	15
30	Lack of junctional adhesion molecule (JAM)-B ameliorates experimental autoimmune encephalomyelitis. <i>Brain, Behavior, and Immunity</i> , 2018 , 73, 3-20	16.6	14
29	Role of interendothelial adhesion molecules in the control of vascular functions. <i>Vascular Pharmacology</i> , 2002 , 39, 239-46	5.9	14
28	JAM-C Identifies Src Family Kinase-Activated Leukemia-Initiating Cells and Predicts Poor Prognosis in Acute Myeloid Leukemia. <i>Cancer Research</i> , 2017 , 77, 6627-6640	10.1	13
27	Cutting edge: JAM-C controls homeostatic chemokine secretion in lymph node fibroblastic reticular cells expressing thrombomodulin. <i>Journal of Immunology</i> , 2011 , 187, 603-7	5.3	13
26	Adaptive immune response in JAM-C-deficient mice: normal initiation but reduced IgG memory. <i>Journal of Immunology</i> , 2009 , 182, 4728-36	5.3	12
25	Dok1 and Dok2 Proteins Regulate Cell Cycle in Hematopoietic Stem and Progenitor Cells. <i>Journal of Immunology</i> , 2016 , 196, 4110-21	5.3	12
24	Junctional adhesion molecule B interferes with angiogenic VEGF/VEGFR2 signaling. <i>FASEB Journal</i> , 2015 , 29, 3411-25	0.9	11
23	For3D: Full organ reconstruction in 3D, an automatized tool for deciphering the complexity of lymphoid organs. <i>Journal of Immunological Methods</i> , 2015 , 424, 32-42	2.5	10
22	Murine junctional adhesion molecules JAM-B and JAM-C mediate endothelial and stellate cell interactions during hepatic fibrosis. <i>Cell Adhesion and Migration</i> , 2016 , 10, 419-33	3.2	10
21	Toward Therapeutic Targeting of Bone Marrow Leukemic Niche Protective Signals in B-Cell Acute Lymphoblastic Leukemia. <i>Frontiers in Oncology</i> , 2020 , 10, 606540	5.3	10
20	Junctional adhesion molecules JAM-B and JAM-C promote autoimmune-mediated liver fibrosis in mice. <i>Journal of Autoimmunity</i> , 2018 , 91, 83-96	15.5	10

19	Junctional adhesion molecule C (JAM-C) dimerization aids cancer cell migration and metastasis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018 , 1865, 638-649	4.9	8
18	Blockade but not overexpression of the junctional adhesion molecule C influences virus-induced type 1 diabetes in mice. <i>PLoS ONE</i> , 2013 , 8, e54675	3.7	8
17	Haemangiomas are formed by cells expressing high levels of alphavbeta3 integrin and lacking acetylated LDL uptake. <i>Journal of Pathology</i> , 2004 , 203, 700-9	9.4	8
16	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration. <i>PLoS Biology</i> , 2019 , 17, e3000554	9.7	7
15	Thy-3, a developmentally regulated T-cell glycoprotein associated to Thy-1 in detergent-resistant membrane microdomains. <i>Cellular Immunology</i> , 1997 , 176, 173-9	4.4	3
14	CD146 deficiency promotes plaque formation in a mouse model of atherosclerosis by enhancing RANTES secretion and leukocyte recruitment. <i>Journal of Molecular and Cellular Cardiology</i> , 2019 , 130, 76-87	5.8	1
13	GRASP55 Is Dispensable for Normal Hematopoiesis but Necessary for Myc-Dependent Leukemic Growth. <i>Journal of Immunology</i> , 2020 , 204, 2685-2696	5.3	1
12	JAM-C/ Expression Is Primarily Expressed in Mouse Hematopoietic Stem Cells. <i>HemaSphere</i> , 2021 , 5, e594.3	3	1
11	JAM-C Expression as a Biomarker to Predict Outcome of Patients with Acute Myeloid Leukemia-Response. <i>Cancer Research</i> , 2018 , 78, 6342-6343	10.1	1
10	The microenvironment of DLBCL is characterized by noncanonical macrophages recruited by tumor-derived CCL5. <i>Blood Advances</i> , 2021 , 5, 4338-4351	7.8	1
9	Adhesion Molecules Involved in Stem Cell Niche Retention During Normal Haematopoiesis and in Acute Myeloid Leukaemia. <i>Frontiers in Immunology</i> , 2021 , 12, 756231	8.4	0
8	Junctional Adhesion Molecules (JAMs) 2010 , 37-51		
7	Flow Cytometry Analysis of Mouse Hematopoietic Stem and Multipotent Progenitor Cells. <i>Methods in Molecular Biology</i> , 2021 , 2308, 73-81	1.4	
6	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration 2019 , 17, e3000554		
5	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration 2019 , 17, e3000554		
4	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration 2019 , 17, e3000554		
3	Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration 2019 , 17, e3000554		
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- 1 Dynamic trafficking and turnover of JAM-C is essential for endothelial cell migration **2019**, 17, e3000554