

Nicole Beauchemin

List of Publications by Year in descending order

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85
papers

6,184
citations

109321

35
h-index

69250

77
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88
all docs

88
docs citations

88
times ranked

8094
citing authors

#	ARTICLE	IF	CITATIONS
1	Carcinoembryonic antigen, a human tumor marker, functions as an intercellular adhesion molecule. <i>Cell</i> , 1989, 57, 327-334.	28.9	902
2	Magneto-aerotactic bacteria deliver drug-containing nanoliposomes to tumour hypoxic regions. <i>Nature Nanotechnology</i> , 2016, 11, 941-947.	31.5	810
3	CEACAM1 regulates TIM-3-mediated tolerance and exhaustion. <i>Nature</i> , 2015, 517, 386-390.	27.8	525
4	Control of Intestinal Homeostasis, Colitis, and Colitis-Associated Colorectal Cancer by the Inflammatory Caspases. <i>Immunity</i> , 2010, 32, 367-378.	14.3	461
5	Carcinoembryonic antigen-related cell adhesion molecules (CEACAMs) in cancer progression and metastasis. <i>Cancer and Metastasis Reviews</i> , 2013, 32, 643-671.	5.9	370
6	The Nlrp3 Inflammasome Suppresses Colorectal Cancer Metastatic Growth in the Liver by Promoting Natural Killer Cell Tumoricidal Activity. <i>Immunity</i> , 2015, 43, 751-763.	14.3	261
7	A two-locus system controls susceptibility to colitis-associated colon cancer in mice. <i>Oncotarget</i> , 2010, 1, 436-46.	1.8	180
8	The Carboxyl-terminal Region of Biliary Glycoprotein Controls Its Tyrosine Phosphorylation and Association with Protein-tyrosine Phosphatases SHP-1 and SHP-2 in Epithelial Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 335-344.	3.4	154
9	The SHP-1 protein tyrosine phosphatase negatively modulates glucose homeostasis. <i>Nature Medicine</i> , 2006, 12, 549-556.	30.7	141
10	Association of biliary glycoprotein with protein tyrosine phosphatase SHP-1 in malignant colon epithelial cells. <i>Oncogene</i> , 1997, 14, 783-790.	5.9	134
11	Regulation of Mouse PECAM-1 Tyrosine Phosphorylation by the Src and Csk Families of Protein-tyrosine Kinases. <i>Journal of Biological Chemistry</i> , 1998, 273, 15765-15772.	3.4	96
12	Insulin acutely decreases hepatic fatty acid synthase activity. <i>Cell Metabolism</i> , 2005, 2, 43-53.	16.2	84
13	Ceacam1a ^{-/-} Mice Are Completely Resistant to Infection by Murine Coronavirus Mouse Hepatitis Virus A59. <i>Journal of Virology</i> , 2004, 78, 10156-10165.	3.4	79
14	CEACAM1 as a Multi-Purpose Target for Cancer Immunotherapy. <i>Oncolmmunology</i> , 2017, 6, 00-00.	4.6	79
15	cis-Determinants in the cytoplasmic domain of CEACAM1 responsible for its tumor inhibitory function. <i>Oncogene</i> , 1999, 18, 5563-5572.	5.9	78
16	Carcinoembryonic antigen-related cell adhesion molecule 1 modulates vascular remodeling in vitro and in vivo. <i>Journal of Clinical Investigation</i> , 2006, 116, 1596-1605.	8.2	78
17	Expression of the Bgp gene and characterization of mouse colon biliary glycoprotein isoforms. <i>Gene</i> , 1993, 127, 173-183.	2.2	72
18	CEACAM1 negatively regulates platelet-collagen interactions and thrombus growth in vitro and in vivo. <i>Blood</i> , 2009, 113, 1818-1828.	1.4	70

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19	CEACAM1 dampens antitumor immunity by down-regulating NKG2D ligand expression on tumor cells. <i>Journal of Experimental Medicine</i> , 2011, 208, 2633-2640.	8.5	64
20	The cytolytic molecules Fas ligand and TRAIL are required for murine thymic graft-versus-host disease. <i>Journal of Clinical Investigation</i> , 2010, 120, 343-356.	8.2	62
21	The Spike Glycoprotein of Murine Coronavirus MHV-JHM Mediates Receptor-Independent Infection and Spread in the Central Nervous Systems of <i>Ceacam1a</i> ^{+/+} Mice. <i>Journal of Virology</i> , 2008, 82, 755-763.	3.4	61
22	The CEACAM1-L Glycoprotein Associates with the Actin Cytoskeleton and Localizes to Cell-Cell Contact through Activation of Rho-like GTPases. <i>Molecular Biology of the Cell</i> , 2000, 11, 65-77.	2.1	59
23	CEACAM1 is a potent regulator of B cell receptor complex-induced activation. <i>Journal of Leukocyte Biology</i> , 2003, 74, 126-134.	3.3	55
24	CEACAM1: a key regulator of vascular permeability. <i>Journal of Cell Science</i> , 2010, 123, 4221-4230.	2.0	54
25	Neutrophil Extracellular Trap-Associated CEACAM1 as a Putative Therapeutic Target to Prevent Metastatic Progression of Colon Carcinoma. <i>Journal of Immunology</i> , 2020, 204, 2285-2294.	0.8	52
26	Targeted Disruption of the Ceacam1 (MHVR) Gene Leads to Reduced Susceptibility of Mice to Mouse Hepatitis Virus Infection. <i>Journal of Virology</i> , 2001, 75, 8173-8186.	3.4	48
27	Colitis-associated colon cancer: Is it in your genes?. <i>World Journal of Gastroenterology</i> , 2015, 21, 11688.	3.3	48
28	CEACAM1+ myeloid cells control angiogenesis in inflammation. <i>Blood</i> , 2009, 113, 6726-6736.	1.4	47
29	Targeted Disruption of Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1 Promotes Diet-Induced Hepatic Steatosis and Insulin Resistance. <i>Endocrinology</i> , 2009, 150, 3503-3512.	2.8	45
30	CEACAM1 on activated NK cells inhibits NKG2D-mediated cytolytic function and signaling. <i>European Journal of Immunology</i> , 2013, 43, 2473-2483.	2.9	44
31	Mutational Analysis of the Virus and Monoclonal Antibody Binding Sites in MHVR, the Cellular Receptor of the Murine Coronavirus Mouse Hepatitis Virus Strain A59. <i>Journal of Virology</i> , 1998, 72, 1941-1948.	3.4	44
32	The CEACAM1-L Ser503 residue is crucial for inhibition of colon cancer cell tumorigenicity. <i>Oncogene</i> , 2001, 20, 219-230.	5.9	42
33	CEACAM1 induces B-cell survival and is essential for protective antiviral antibody production. <i>Nature Communications</i> , 2015, 6, 6217.	12.8	42
34	The cytoplasmic domain of CEACAM1-L controls its lateral localization and the organization of desmosomes in polarized epithelial cells. <i>Journal of Cell Science</i> , 2004, 117, 1091-1104.	2.0	40
35	The Short Isoform of the CEACAM1 Receptor in Intestinal T Cells Regulates Mucosal Immunity and Homeostasis via Tfh Cell Induction. <i>Immunity</i> , 2012, 37, 930-946.	14.3	40
36	Transcriptional control of the human biliary glycoprotein gene, a CEA gene family member down-regulated in colorectal carcinomas. <i>FEBS Journal</i> , 1994, 223, 529-541.	0.2	35

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37	Hepatocyte-Specific <i>Ptpn6</i> Deletion Protects From Obesity-Linked Hepatic Insulin Resistance. <i>Diabetes</i> , 2012, 61, 1949-1958.	0.6	34
38	Comparison of expression patterns and cell adhesion properties of the mouse biliary glycoproteins Bgp1 and Bgp2. <i>FEBS Journal</i> , 1999, 264, 534-544.	0.2	30
39	<i>Ceacam1</i> deletion causes vascular alterations in large vessels. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E519-E529.	3.5	30
40	The conformation of single-stranded nucleic acids. tDNA versus tRNA. <i>FEBS Journal</i> , 1990, 189, 259-265.	0.2	29
41	Biliary glycoprotein 1 expression during embryogenesis: Correlation with events of epithelial differentiation, mesenchymal-epithelial interactions, absorption, and myogenesis. <i>Developmental Dynamics</i> , 1996, 206, 272-290.	1.8	29
42	Macrophage interleukin-6 and tumour necrosis factor- α are induced by coronavirus fixation to Toll-like receptor 2/heparan sulphate receptors but not carcinoembryonic cell adhesion antigen 1a. <i>Immunology</i> , 2009, 128, e181-92.	4.4	29
43	Hepatocyte-specific <i>Ptpn6</i> deletion promotes hepatic lipid accretion, but reduces NAFLD in diet-induced obesity: Potential role of PPAR β . <i>Hepatology</i> , 2014, 59, 1803-1815.	7.3	28
44	Computational Analysis of Isoform-Specific Signal Regulation by CEACAM1-A Cell Adhesion Molecule Expressed in PC12 Cells. <i>Annals of the New York Academy of Sciences</i> , 2002, 971, 597-607.	3.8	26
45	The Cell Adhesion Molecule CEACAM1-L Is a Substrate of Caspase-3-mediated Cleavage in Apoptotic Mouse Intestinal Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 16929-16935.	3.4	25
46	Receptor-Dependent Coronavirus Infection of Dendritic Cells. <i>Journal of Virology</i> , 2004, 78, 5486-5490.	3.4	25
47	Characterization and Transcriptional Activity of the Mouse Biliary Glycoprotein 1 Gene, a Carcinoembryonic Antigen-Related Gene. <i>FEBS Journal</i> , 1995, 231, 104-114.	0.2	24
48	The characterization of the tRNAs and aminoacyl-tRNA synthetases of the blue-green alga, <i>Anacystis nidulans</i> . <i>Archives of Biochemistry and Biophysics</i> , 1973, 156, 17-25.	3.0	23
49	The <i>Cea10</i> Gene Encodes A Secreted Member of the Murine Carcinoembryonic Antigen Family and is Expressed in the Placenta, Gastrointestinal Tract and Bone Marrow. <i>FEBS Journal</i> , 1995, 229, 455-464.	0.2	22
50	CEACAM1 controls the EMT switch in murine mammary carcinoma <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2016, 7, 63730-63746.	1.8	22
51	Compartmentalized CDK2 is connected with SHP-1 and β -catenin and regulates insulin internalization. <i>Cellular Signalling</i> , 2011, 23, 911-919.	3.6	21
52	The Colorectal Tumor Microenvironment: The Next Decade. <i>Cancer Microenvironment</i> , 2011, 4, 181-185.	3.1	20
53	Carcinoembryonic Antigen Cell Adhesion Molecule 1 long isoform modulates malignancy of poorly differentiated colon cancer cells. <i>Gut</i> , 2016, 65, 821-829.	12.1	20
54	p66ShcA Promotes Breast Cancer Plasticity by Inducing an Epithelial-to-Mesenchymal Transition. <i>Molecular and Cellular Biology</i> , 2014, 34, 3689-3701.	2.3	19

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55	Mutational Profiles Reveal an Aberrant TGF- β -CEA Regulated Pathway in Colon Adenomas. PLoS ONE, 2016, 11, e0153933.	2.5	17
56	A Two-Locus System Controls Susceptibility to Colitis-Associated Colon Cancer in Mice. Oncotarget, 2010, 1, 436-446.	1.8	16
57	Distinct Rho GTPase Activities Regulate Epithelial Cell Localization of the Adhesion Molecule CEACAM1: Involvement of the CEACAM1 Transmembrane Domain. Molecular and Cellular Biology, 2003, 23, 7291-7304.	2.3	14
58	Expression of newly identified secretory CEACAM1a isoforms in the intestinal epithelium. Biochemical and Biophysical Research Communications, 2009, 383, 340-346.	2.1	14
59	Inactivation of Interferon Regulatory Factor 1 Causes Susceptibility to Colitis-Associated Colorectal Cancer. Scientific Reports, 2019, 9, 18897.	3.3	14
60	The in vivo stability, maturation and aminoacylation of anticodon-substituted Escherichia coli initiator methionine tRNAs. FEBS Journal, 1987, 166, 325-332.	0.2	13
61	Loss of NFE2L3 protects against inflammation-induced colorectal cancer through modulation of the tumor microenvironment. Oncogene, 2022, 41, 1563-1575.	5.9	13
62	The cell adhesion molecule C-CAM is a substrate for tissue transglutaminase. FEBS Letters, 1998, 425, 141-144.	2.8	11
63	Maneuvering for advantage: the genetics of mouse susceptibility to virus infection. Trends in Genetics, 2003, 19, 447-457.	6.7	11
64	CEACAM1 regulates integrin α IIb β 3-mediated functions in platelets. Platelets, 2016, 27, 168-177.	2.3	11
65	CEACAM1 deficiency delays important wound healing processes. Wound Repair and Regeneration, 2011, 19, 745-752.	3.0	10
66	Genetic control of susceptibility to carcinogen-induced colorectal cancer in mice: The <i>Ccs3</i> and <i>Ccs5</i> loci regulate different aspects of tumorigenesis. Cell Cycle, 2011, 10, 1739-1749.	2.6	9
67	Activation of CEA-CAM-1-mediated cell adhesion via CD98: involvement of PKC ζ . FEBS Letters, 2003, 552, 184-188.	2.8	8
68	Inflammation-Induced Tumorigenesis in Mouse Colon Is Caspase-6 Independent. PLoS ONE, 2014, 9, e114270.	2.5	8
69	Murine MTHFD1 synthetase deficiency, a model for the human MTHFD1 R653Q polymorphism, decreases growth of colorectal tumors. Molecular Carcinogenesis, 2017, 56, 1030-1040.	2.7	7
70	Construction, aminoacylation and 80 S ribosomal complex formation with a yeast initiator tRNA having an arginine CCU anticodon. FEBS Letters, 1986, 202, 12-18.	2.8	6
71	The p53 status can influence the role of Sam68 in tumorigenesis. Oncotarget, 2016, 7, 71651-71659.	1.8	6
72	Positional Mapping and Candidate Gene Analysis of the Mouse <i>Ccs3</i> Locus That Regulates Differential Susceptibility to Carcinogen-Induced Colorectal Cancer. PLoS ONE, 2013, 8, e58733.	2.5	5

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73	Impact of the Microbiome on the Human Genome. Trends in Parasitology, 2019, 35, 809-821.	3.3	5
74	Perturbation of Lytic and Latent Gammaherpesvirus Infection in the Absence of the Inhibitory Receptor CEACAM1. PLoS ONE, 2009, 4, e6317.	2.5	5
75	A synergistic interferon γ production is induced by mouse hepatitis virus in interleukin α 2 (IL α 2)/IL α 18 α -activated natural killer cells and modulated by carcinoembryonic antigen α -related cell adhesion molecules (CEACAM) 1a receptor. Immunology, 2009, 128, e551-61.	4.4	4
76	Stromal CEACAM1 expression regulates colorectal cancer metastasis. Oncoimmunology, 2012, 1, 1205-1207.	4.6	4
77	Next generation sequencing of progressive colorectal liver metastases after portal vein embolization. Clinical and Experimental Metastasis, 2017, 34, 351-361.	3.3	4
78	EphA2 signaling is impacted by carcinoembryonic antigen cell adhesion molecule 1-L expression in colorectal cancer liver metastasis in a cell context-dependent manner. Oncotarget, 2017, 8, 104330-104346.	1.8	4
79	CEACAM-1 Is Involved in Graft-Versus-Host-Disease in Murine Allogeneic Bone Marrow Transplantation Models.. Blood, 2007, 110, 67-67.	1.4	4
80	Ceacam1 Separates Graft-versus-Host-Disease from Graft-versus-Tumor Activity after Experimental Allogeneic Bone Marrow Transplantation. PLoS ONE, 2011, 6, e21611.	2.5	3
81	In Memoriam: Robert Cedergren (1939 α 1998). Rna, 1999, 5, 147-148.	3.5	0
82	Mapping hyper-susceptibility to colitis-associated colorectal cancer in FVB/NJ mice. Mammalian Genome, 2016, 27, 213-224.	2.2	0
83	TRAIL/ DR5 Interactions Are Important for Thymic Damage After Allogeneic Bone Marrow Transplantation.. Blood, 2009, 114, 234-234.	1.4	0
84	CEA Gene Family. , 2014, , 870-874.		0
85	CEA Gene Family. , 2014, , 1-5.		0