

Brigitte Bauvois

List of Publications by Year in descending order

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67
papers

2,560
citations

186209

28
h-index

189801

50
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68
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docs citations

68
times ranked

3752
citing authors

#	ARTICLE	IF	CITATIONS
1	New facets of matrix metalloproteinases MMP-2 and MMP-9 as cell surface transducers: Outside-in signaling and relationship to tumor progression. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2012, 1825, 29-36.	3.3	328
2	Aminopeptidase-N/CD13 (EC 3.4.11.2) inhibitors: Chemistry, biological evaluations, and therapeutic prospects. <i>Medicinal Research Reviews</i> , 2006, 26, 88-130.	5.0	230
3	Transmembrane proteases in cell growth and invasion: new contributors to angiogenesis?. <i>Oncogene</i> , 2004, 23, 317-329.	2.6	149
4	Matrix Metalloproteinase-9 Silencing by RNA Interference Triggers the Migratory-adhesive Switch in Ewing's Sarcoma Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 36537-36546.	1.6	110
5	Interferons Inhibit Tumor Necrosis Factor- α -mediated Matrix Metalloproteinase-9 Activation via Interferon Regulatory Factor-1 Binding Competition with NF- κ B. <i>Journal of Biological Chemistry</i> , 2002, 277, 35766-35775.	1.6	98
6	Production of matrix metalloproteinase-9 in early stage B-CLL: suppression by interferons. <i>Leukemia</i> , 2002, 16, 791-798.	3.3	94
7	Accumulation and Changes in Composition of Collagens in Subcutaneous Adipose Tissue After Bariatric Surgery. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 293-304.	1.8	87
8	Production of nitric oxide (NO) in human hydatidosis: Relationship between nitrite production and interferon- γ levels. <i>Biochimie</i> , 1998, 80, 739-744.	1.3	85
9	Synthesis and Biological Evaluation of Novel Flavone-8-acetic Acid Derivatives as Reversible Inhibitors of Aminopeptidase N/CD13. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 3900-3913.	2.9	80
10	Human U937 cell surface peptidase activities: characterization and degradative effect on tumor necrosis factor- α . <i>European Journal of Immunology</i> , 1992, 22, 923-930.	1.6	74
11	Regulation of CD26/DPPIV gene expression by interferons and retinoic acid in tumor B cells. <i>Oncogene</i> , 2000, 19, 265-272.	2.6	70
12	Ecto-peptidases in pathophysiology. <i>BioEssays</i> , 2001, 23, 251-260.	1.2	64
13	Aminopeptidase-N/CD13 is a potential proapoptotic target in human myeloid tumor cells. <i>FASEB Journal</i> , 2011, 25, 2831-2842.	0.2	49
14	Neutrophil Gelatinase-Associated Lipocalin (NGAL), Pro-Matrix Metalloproteinase-9 (pro-MMP-9) and Their Complex Pro-MMP-9/NGAL in Leukaemias. <i>Cancers</i> , 2014, 6, 796-812.	1.7	49
15	TGF- β 1-Stimulated Adhesion of Human Mononuclear Phagocytes to Fibronectin and Laminin Is Abolished by IFN- γ : Dependence on α 5 β 1 and β 2 Integrins. <i>Experimental Cell Research</i> , 1996, 222, 209-217.	1.2	47
16	Upregulation of CD38 Gene Expression in Leukemic B Cells by Interferon Types I and II. <i>Journal of Interferon and Cytokine Research</i> , 1999, 19, 1059-1066.	0.5	47
17	Constitutive expression of CD26/dipeptidylpeptidase IV on peripheral blood B lymphocytes of patients with B chronic lymphocytic leukaemia. <i>British Journal of Cancer</i> , 1999, 79, 1042-1048.	2.9	47
18	Protein tyrosine kinase and p38 MAP kinase pathways are involved in stimulation of matrix metalloproteinase-9 by TNF- α in human monocytes. <i>Immunology Letters</i> , 2006, 106, 34-41.	1.1	44

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19	Hyperforin Inhibits Akt1 Kinase Activity and Promotes Caspase-Mediated Apoptosis Involving Bad and Noxa Activation in Human Myeloid Tumor Cells. <i>PLoS ONE</i> , 2011, 6, e25963.	1.1	44
20	A new acivicin prodrug designed for tumor-Targeted delivery. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 2843-2848.	1.4	43
21	Specific changes in plasma concentrations of matrix metalloproteinase-2 and -9, TIMP-1 and TGF- β 1 in patients with distinct types of primary glomerulonephritis. <i>Nephrology Dialysis Transplantation</i> , 2007, 22, 1115-1122.	0.4	42
22	Characterization of specific proteases associated with the surface of human skin fibroblasts, and their modulation in pathology. <i>Journal of Cellular Physiology</i> , 1992, 151, 378-385.	2.0	41
23	Revisiting Neutrophil Gelatinase-Associated Lipocalin (NGAL) in Cancer: Saint or Sinner?. <i>Cancers</i> , 2018, 10, 336.	1.7	40
24	Similar increased serum dipeptidyl peptidase IV activity in chronic hepatitis C and other viral infections. <i>Journal of Clinical Virology</i> , 2003, 27, 59-68.	1.6	39
25	Development of potent and selective dipeptidyl peptidase II inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 2825-2828.	1.0	37
26	Comparative degradation of adenyl nucleotides by cultured endothelial cells and fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 1978, 85, 183-189.	1.0	36
27	Aldosterone and Vascular Mineralocorticoid Receptors in Murine Endotoxic and Human Septic Shock*. <i>Critical Care Medicine</i> , 2017, 45, e954-e962.	0.4	30
28	Characterization of rat T cell precursors sorted by chemotactic migration toward thymotaxin. <i>Cell</i> , 1989, 56, 1073-1083.	13.5	28
29	Types I and II interferons upregulate the costimulatory CD80 molecule in monocytes via interferon regulatory factor-1. <i>Biochemical Pharmacology</i> , 2009, 78, 514-522.	2.0	28
30	Murine thymocytes possess specific cell surface-associated exoaminopeptidase activities: Preferential expression by immature CD4 ⁺ CD8 ⁻ subpopulation. <i>European Journal of Immunology</i> , 1990, 20, 459-468.	1.6	27
31	Inactivation of interleukin-6 in vitro by monoblastic U937 cell plasma membranes involves both protease and peptidyl-transferase activities. <i>FEBS Journal</i> , 1993, 215, 825-831.	0.2	26
32	Divergent regulation of cell surface protease expression in HL-60 cells differentiated into macrophages with granulocyte macrophage colony stimulating factor or neutrophils with retinoic acid. <i>International Immunology</i> , 1993, 5, 965-973.	1.8	25
33	ABH and Lewis glycosyltransferases in human red cells, lymphocytes and platelets. <i>Revue Française De Transfusion Et Immunohématologie</i> , 1980, 23, 271-282.	0.1	23
34	Inhibition of matrix metalloproteinase-9 by interferons and TGF- β 1 through distinct signalings accounts for reduced monocyte invasiveness. <i>FEBS Letters</i> , 2005, 579, 5487-5493.	1.3	23
35	β -Glutamyl transpeptidase expression in Ewing's sarcoma cells: up-regulation by interferons. <i>Biochemical Journal</i> , 2002, 364, 719-724.	1.7	22
36	Concomitant elevations of MMP-9, NGAL, proMMP-9/NGAL and neutrophil elastase in serum of smokers with chronic obstructive pulmonary disease. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 1280-1291.	1.6	22

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37	Discrimination between Activity of (alpha2-3)-Sialyltransferase and (alpha2-6)- Sialyltransferase in Human Platelets Using p-Nitrophenyl-beta-D-galactoside as Acceptor. <i>FEBS Journal</i> , 1982, 121, 567-572.	0.2	17
38	p70S6 kinase is a target of the novel proteasome inhibitor 3,3-diamino-4-methoxyflavone during apoptosis in human myeloid tumor cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1316-1328.	1.9	17
39	The CNGRC-GG-D(KLAKLAK)2 peptide induces a caspase-independent, Ca ²⁺ -dependent death in human leukemic myeloid cells by targeting surface aminopeptidase N/CD13. <i>Oncotarget</i> , 2016, 7, 19445-19467.	0.8	16
40	Allium compounds, dipropyl and dimethyl thiosulfinates as antiproliferative and differentiating agents of human acute myeloid leukemia cell lines. <i>Biologics: Targets and Therapy</i> , 2008, 2, 885.	3.0	14
41	Hyperforin induces apoptosis of chronic lymphocytic leukemia cells through upregulation of the BH3-only protein Noxa. <i>International Journal of Oncology</i> , 2012, 40, 269-76.	1.4	14
42	Differential regulation of tumor necrosis factor- α -converting enzyme and angiotensin-converting enzyme by type I and II interferons in human normal and leukemic myeloid cells. <i>Oncogene</i> , 2007, 26, 102-110.	2.6	12
43	Targeting CD13 (aminopeptidase-N) in turn downregulates ADAM17 by internalization in acute myeloid leukaemia cells. <i>Oncotarget</i> , 2014, 5, 8211-8222.	0.8	12
44	Membrane glycoprotein IIb is the major endogenous acceptor for human platelet ectosialyltransferase. <i>FEBS Letters</i> , 1981, 125, 277-281.	1.3	11
45	Characterization and modulation of cell surface proteases on human myeloblastic (HL-60) cells and comparison to normal myeloid cells. <i>Immunology Letters</i> , 1992, 34, 257-265.	1.1	11
46	Validating Cell Surface Proteases as Drug Targets for Cancer Therapy: What Do We Know, and Where Do We Go?. <i>Cancers</i> , 2022, 14, 624.	1.7	10
47	Aspects of haemopoietic cell dynamics: Ontogeny and targeted migration. <i>Annales De L'Institut Pasteur Immunologie</i> , 1988, 139, 409-431.	0.9	9
48	Characterization of a sialyl α -3 transferase and a sialyl α -6 transferase from human platelets occurring in the sialylation of the N-glycosylproteins. <i>BBA - Proteins and Proteomics</i> , 1984, 788, 234-240.	2.1	8
49	Activation of Interferon Signaling in Chronic Lymphocytic Leukemia Cells Contributes to Apoptosis Resistance via a JAK-Src/STAT3/Mcl-1 Signaling Pathway. <i>Biomedicines</i> , 2021, 9, 188.	1.4	8
50	Heterogeneity of antibodies to adenosine 5'-monophosphate. <i>Nucleic Acids and Protein Synthesis</i> , 1976, 454, 1-8.	1.7	7
51	Relation of Neutrophil Gelatinase-Associated Lipocalin Overexpression to the Resistance to Apoptosis of Tumor B Cells in Chronic Lymphocytic Leukemia. <i>Cancers</i> , 2020, 12, 2124.	1.7	7
52	Protease-catalyzed conversion of insulin-like growth factor-1 and interleukin-6 into high-molecular-mass species through the sequential action of hematopoietic surface-associated cathepsin G and gamma-glutamyl transpeptidase-related activities. <i>FEBS Journal</i> , 1994, 223, 617-624.	0.2	6
53	Synergistic effect of prolactin on IFN- β -mediated growth arrest in human monoblastic cells: correlation with the up-regulation of IFN- β receptor gene expression. <i>Immunology Letters</i> , 1996, 53, 125-130.	1.1	6
54	Reanalysis of the involvement of β -glutamyl transpeptidase in the cell activation process. <i>FEBS Letters</i> , 2001, 508, 226-230.	1.3	6

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55	Glycoproteinâ€Sialyltransferase Activity of Normal Human, Thrombasthenic and Bernardâ€Soulier Platelets. <i>Vox Sanguinis</i> , 1981, 40, 71-78.	0.7	5
56	A Collagen:Glucosyltransferase at the surface of malignant fibroblasts. <i>Journal of Cellular Physiology</i> , 1985, 124, 213-218.	2.0	5
57	Initial adhesion of murine fibroblasts to collagen and fibronectin occurs by two mechanisms. <i>Cell Biochemistry and Function</i> , 1987, 5, 281-287.	1.4	5
58	21.1.1, A novel activation marker of T and B cells. <i>Molecular Immunology</i> , 1991, 28, 417-426.	1.0	5
59	Matrix Metalloproteinase-9 (279R/Q) Polymorphism is Associated with Clinical Severity and Airflow Limitation in Tunisian Patients with Chronic Obstructive Pulmonary Disease. <i>Molecular Diagnosis and Therapy</i> , 2015, 19, 375-387.	1.6	5
60	Interactions between human monocytes and fibronectin are suppressed by interferons \hat{I}^2 and \hat{I}^3 , but not \hat{I}^1 : Correlation with Rho-paxillin signaling. <i>International Journal of Molecular Medicine</i> , 2002, 10, 25.	1.8	4
61	Loss of $\hat{I}^5\hat{I}^1$ -mediated adhesion of monocytic cells to fibronectin by interferons \hat{I}^2 and \hat{I}^3 is associated with changes in actin and paxillin cytoskeleton. <i>The Hematology Journal</i> , 2000, 1, 172-180.	2.0	3
62	In vitro activity of some flavonoid derivatives on human leukemic myeloid cells: evidence for aminopeptidase-N (CD13) inhibition, antiproliferative and cell death properties. <i>AIMS Molecular Science</i> , 2016, 3, 368-385.	0.3	3
63	Distinct cellular functions mediated by haemopoietic cell-surface proteases. <i>Advances in Neuroimmunology</i> , 1993, 3, 171-181.	1.8	2
64	Targeting of acivicin prodrugs as antibody conjugates. <i>Journal of Controlled Release</i> , 2001, 74, 255-257.	4.8	2
65	Interaction of Adenosine and Adenylnucleotides with the Human Platelet Membrane. Further Characterization of the ADP Binding Sites. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , 1980, 9, 92-104.	0.5	1
66	Editorial: Pro-matrix metalloproteinase-9 in tumor B lymphocytes: balancing migration and homing. <i>Journal of Leukocyte Biology</i> , 2014, 96, 164-166.	1.5	1
67	Development of Potent and Selective Dipeptidyl Peptidase II Inhibitors.. <i>ChemInform</i> , 2003, 34, no.	0.1	0