

Niels Behrendt

List of Publications by Year in descending order

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75
papers

4,414
citations

87723

38
h-index

106150

65
g-index

79
all docs

79
docs citations

79
times ranked

4163
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasminogen activation and cancer. <i>Thrombosis and Haemostasis</i> , 2005, 93, 676-681.	1.8	398
2	Matriptase/MT-SP1 is required for postnatal survival, epidermal barrier function, hair follicle development, and thymic homeostasis. <i>Oncogene</i> , 2002, 21, 3765-3779.	2.6	300
3	M2-like macrophages are responsible for collagen degradation through a mannose receptor-mediated pathway. <i>Journal of Cell Biology</i> , 2013, 202, 951-966.	2.3	269
4	Cell-induced potentiation of the plasminogen activation system is abolished by a monoclonal antibody that recognizes the NH2-terminal domain of the urokinase receptor. <i>FEBS Letters</i> , 1991, 288, 233-236.	1.3	177
5	uPARAP/Endo180 is essential for cellular uptake of collagen and promotes fibroblast collagen adhesion. <i>Journal of Cell Biology</i> , 2003, 160, 1009-1015.	2.3	166
6	A Urokinase Receptor-associated Protein with Specific Collagen Binding Properties. <i>Journal of Biological Chemistry</i> , 2000, 275, 1993-2002.	1.6	134
7	The intact urokinase receptor is required for efficient vitronectin binding: receptor cleavage prevents ligand interaction. <i>FEBS Letters</i> , 1997, 420, 79-85.	1.3	131
8	Intracellular collagen degradation mediated by uPARAP/Endo180 is a major pathway of extracellular matrix turnover during malignancy. <i>Journal of Cell Biology</i> , 2005, 169, 977-985.	2.3	127
9	Extracellular Collagenases and the Endocytic Receptor, Urokinase Plasminogen Activator Receptor-associated Protein/Endo180, Cooperate in Fibroblast-mediated Collagen Degradation. <i>Journal of Biological Chemistry</i> , 2007, 282, 27037-27045.	1.6	119
10	Protein Structure and Membrane Anchorage of the Cellular Receptor for Urokinase-Type Plasminogen Activator. <i>Seminars in Thrombosis and Hemostasis</i> , 1991, 17, 183-193.	1.5	111
11	The Non-phagocytic Route of Collagen Uptake. <i>Journal of Biological Chemistry</i> , 2011, 286, 26996-27010.	1.6	106
12	Cell-Surface Acceleration of Urokinase-Catalyzed Receptor Cleavage. <i>FEBS Journal</i> , 1997, 243, 21-26.	0.2	99
13	Tumor-Associated Macrophages Derived from Circulating Inflammatory Monocytes Degrade Collagen through Cellular Uptake. <i>Cell Reports</i> , 2017, 21, 3662-3671.	2.9	99
14	uPARAP/endo180 directs lysosomal delivery and degradation of collagen IV. <i>Experimental Cell Research</i> , 2004, 293, 106-116.	1.2	96
15	Domain Interplay in the Urokinase Receptor. <i>Journal of Biological Chemistry</i> , 1996, 271, 22885-22894.	1.6	92
16	New and Paradoxical Roles of Matrix Metalloproteinases in the Tumor Microenvironment. <i>Frontiers in Pharmacology</i> , 2012, 3, 140.	1.6	88
17	The urokinase receptor (uPAR) and the uPAR-associated protein (uPARAP/ Endo180): membrane proteins engaged in matrix turnover during tissue remodeling. <i>Biological Chemistry</i> , 2004, 385, 103-36.	1.2	86
18	Complementary Roles of Intracellular and Pericellular Collagen Degradation Pathways In Vivo. <i>Molecular and Cellular Biology</i> , 2007, 27, 6309-6322.	1.1	81

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19	A Novel Functional Role of Collagen Glycosylation. <i>Journal of Biological Chemistry</i> , 2011, 286, 32736-32748.	1.6	75
20	Ficolin-1-PTX3 Complex Formation Promotes Clearance of Altered Self-Cells and Modulates IL-8 Production. <i>Journal of Immunology</i> , 2013, 191, 1324-1333.	0.4	68
21	The urokinase receptor. <i>Fibrinolysis and Proteolysis</i> , 1998, 12, 191-204.	1.1	65
22	The Urokinase Plasminogen Activator Receptor-Associated Protein/Endo180 Is Coexpressed with Its Interaction Partners Urokinase Plasminogen Activator Receptor and Matrix Metalloprotease-13 during Osteogenesis. <i>Laboratory Investigation</i> , 2001, 81, 1403-1414.	1.7	62
23	The urokinase receptor and regulation of cell surface plasminogen activation. <i>Cell Differentiation and Development</i> , 1990, 32, 247-253.	0.4	57
24	Identification and characterization of the murine cell surface receptor for the urokinase-type plasminogen activator. <i>FEBS Journal</i> , 1992, 205, 451-458.	0.2	57
25	Urokinase receptor-associated protein (UPARAP) is expressed in connection with malignant as well as benign lesions of the human breast and occurs in specific populations of stromal cells. <i>International Journal of Cancer</i> , 2002, 98, 656-664.	2.3	57
26	The collagen receptor uPARAP/Endo180 in tissue degradation and cancer (Review). <i>International Journal of Oncology</i> , 2015, 47, 1177-1188.	1.4	57
27	Quantitation of the receptor for urokinase plasminogen activator by enzyme-linked immunosorbent assay. <i>Journal of Immunological Methods</i> , 1994, 167, 91-101.	0.6	55
28	Targeting a Single Function of the Multifunctional Matrix Metalloprotease MT1-MMP. <i>Journal of Biological Chemistry</i> , 2013, 288, 10195-10204.	1.6	55
29	Increased Expression of the Collagen Internalization Receptor uPARAP/Endo180 in the Stroma of Head and Neck Cancer. <i>Journal of Histochemistry and Cytochemistry</i> , 2007, 55, 347-353.	1.3	53
30	Conformational Regulation of Urokinase Receptor Function. <i>Journal of Biological Chemistry</i> , 2011, 286, 33544-33556.	1.6	51
31	Urokinase-catalysed cleavage of the urokinase receptor requires an intact glycolipid anchor. <i>Biochemical Journal</i> , 2001, 358, 673-679.	1.7	50
32	The collagen receptor uPARAP/Endo180. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 2103.	3.0	49
33	Endocytic collagen degradation: a novel mechanism involved in protection against liver fibrosis. <i>Journal of Pathology</i> , 2012, 227, 94-105.	2.1	45
34	Plasminogen-Independent Initiation of the Pro-urokinase Activation Cascade in Vivo. Activation of Pro-urokinase by Glandular Kallikrein (mGK-6) in Plasminogen-Deficient Mice. <i>Biochemistry</i> , 2000, 39, 508-515.	1.2	44
35	Urokinase-catalysed cleavage of the urokinase receptor requires an intact glycolipid anchor. <i>Biochemical Journal</i> , 2001, 358, 673.	1.7	43
36	The Urokinase Receptor Associated Protein (uPARAP/Endo180) A Novel Internalization Receptor Connected to the Plasminogen Activation System. <i>Trends in Cardiovascular Medicine</i> , 2001, 11, 7-13.	2.3	43

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37	Complex Determinants in Specific Members of the Mannose Receptor Family Govern Collagen Endocytosis. <i>Journal of Biological Chemistry</i> , 2014, 289, 7935-7947.	1.6	42
38	The pro-urokinase plasminogen-activation system in the presence of serpin-type inhibitors and the urokinase receptor: rescue of activity through reciprocal pro-enzyme activation. <i>Biochemical Journal</i> , 2003, 371, 277-287.	1.7	40
39	Different mechanisms are involved in the antibody mediated inhibition of ligand binding to the urokinase receptor: a study based on biosensor technology. <i>Journal of Immunological Methods</i> , 1999, 222, 125-133.	0.6	39
40	Antibody-mediated Targeting of the Urokinase-type Plasminogen Activator Proteolytic Function Neutralizes Fibrinolysis in Vivo. <i>Journal of Biological Chemistry</i> , 2008, 283, 32506-32515.	1.6	34
41	[13] Cellular receptor for urokinase-type plasminogen activator: Protein structure. <i>Methods in Enzymology</i> , 1993, 223, 207-222.	0.4	33
42	MT1-MMP and Type II Collagen Specify Skeletal Stem Cells and Their Bone and Cartilage Progeny. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 1905-1916.	3.1	33
43	Defective TAFI activation in hemophilia A mice is a major contributor to joint bleeding. <i>Blood</i> , 2018, 132, 1593-1603.	0.6	31
44	Dimerization of endogenous MT1-MMP is a regulatory step in the activation of the 72-kDa gelatinase MMP-2 on fibroblasts and fibrosarcoma cells. <i>Biological Chemistry</i> , 2008, 389, 943-953.	1.2	29
45	Osteosarcoma and Metastasis Associated Bone Degradation—A Tale of Osteoclast and Malignant Cell Cooperativity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6865.	1.8	29
46	Matrix metalloproteinase 2 and membrane type 1 matrix metalloproteinase co-regulate axonal outgrowth of mouse retinal ganglion cells. <i>Journal of Neurochemistry</i> , 2014, 129, 966-979.	2.1	28
47	Cellular uptake of collagens and implications for immune cell regulation in disease. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3161-3176.	2.4	28
48	A novel, specific pro-urokinase complex on monocyte-like cells, detected by transglutaminase-catalyzed cross-linking. <i>FEBS Letters</i> , 1993, 336, 394-396.	1.3	26
49	A Composite Role of Vitronectin and Urokinase in the Modulation of Cell Morphology upon Expression of the Urokinase Receptor. <i>Journal of Biological Chemistry</i> , 2008, 283, 15217-15223.	1.6	26
50	The collagen receptor uPARAP/Endo180 as a novel target for antibody-drug conjugate mediated treatment of mesenchymal and leukemic cancers. <i>Oncotarget</i> , 2017, 8, 44605-44624.	0.8	26
51	[14] Cellular receptor for urokinase-type plasminogen activator: Function in cell-surface proteolysis. <i>Methods in Enzymology</i> , 1993, 223, 223-233.	0.4	25
52	Differential Actions of the Endocytic Collagen Receptor uPARAP/Endo180 and the Collagenase MMP-2 in Bone Homeostasis. <i>PLoS ONE</i> , 2013, 8, e71261.	1.1	25
53	Targeting a novel bone degradation pathway in primary bone cancer by inactivation of the collagen receptor uPARAP/Endo180. <i>Journal of Pathology</i> , 2016, 238, 120-133.	2.1	25
54	A novel polymorphism of human complement component C3 detected by means of a monoclonal antibody. <i>Immunogenetics</i> , 1986, 23, 322-325.	1.2	19

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55	uPARAP/Endo180 receptor is a gatekeeper of VEGFR-2/VEGFR-3 heterodimerisation during pathological lymphangiogenesis. <i>Nature Communications</i> , 2018, 9, 5178.	5.8	19
56	CCL2/MCP-1 signaling drives extracellular matrix turnover by diverse macrophage subsets. <i>Matrix Biology Plus</i> , 2019, 1, 100003.	1.9	18
57	Effect of purified, soluble urokinase receptor on the plasminogen-prourokinase activation system. <i>FEBS Letters</i> , 1996, 393, 31-36.	1.3	17
58	Uncovering mediators of collagen degradation in the tumor microenvironment. <i>Matrix Biology Plus</i> , 2022, 13, 100101.	1.9	17
59	Advances in targeted delivery of small interfering RNA using simple bioconjugates. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 791-822.	2.4	16
60	ELISA for complexes between urokinase-type plasminogen activator and its receptor in lung cancer tissue extracts. , 1997, 72, 416-423.		15
61	Immune regulation by fibroblasts in tissue injury depends on uPARAP-mediated uptake of collectins. <i>Journal of Cell Biology</i> , 2019, 218, 333-349.	2.3	14
62	Differential Binding of Urokinase and Peptide Antagonists to the Urokinase Receptor: Evidence from Characterization of the Receptor in Four Primate Species. <i>Biological Chemistry</i> , 2001, 382, 435-42.	1.2	13
63	Phagocytosis of Collagen Fibrils by Fibroblasts In Vivo Is Independent of the uPARAP/Endo180 Receptor. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 1590-1595.	1.2	13
64	Crystal structures of the ligand-binding region of uPARAP: effect of calcium ion binding. <i>Biochemical Journal</i> , 2016, 473, 2359-2368.	1.7	12
65	Tumor cell MT1-MMP is dispensable for osteosarcoma tumor growth, bone degradation and lung metastasis. <i>Scientific Reports</i> , 2020, 10, 19138.	1.6	12
66	Human complement component C3: Characterization of active C3 S and C3 F, the two common genetic variants. <i>Molecular Immunology</i> , 1985, 22, 1005-1008.	1.0	8
67	TAFI deficiency causes maladaptive vascular remodeling after hemophilic joint bleeding. <i>JCI Insight</i> , 2019, 4, .	2.3	8
68	Inhibitory Monoclonal Antibodies against Mouse Proteases Raised in Gene-Deficient Mice Block Proteolytic Functions in vivo. <i>Frontiers in Pharmacology</i> , 2012, 3, 122.	1.6	7
69	The collagen receptor uPARAP/Endo180 regulates collectins through unique structural elements in its FNII domain. <i>Journal of Biological Chemistry</i> , 2020, 295, 9157-9170.	1.6	7
70	Reply to comment on "Effect of purified, soluble urokinase receptor on the plasminogen-prourokinase activation system" (A. A-R. Higazi). <i>FEBS Letters</i> , 1997, 402, 293-294.	1.3	4
71	Cooperation Between Proteolysis and Endocytosis in Collagen Turnover. , 2011, , 53-74.		3
72	The Collagen Receptor uPARAP in Malignant Mesothelioma: A Potential Diagnostic Marker and Therapeutic Target. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11452.	1.8	3

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73	Protein chemical characterization of the cellular receptor for urokinase-type plasminogen activator. Fibrinolysis, 1989, 3, 2.	0.5	2
74	24Specific targeting of uPA activity with a monoclonal antibody neutralizeS uPA-dependent effects â€ˆ<i>in vivo</i>. Apmis, 2008, 116, 428-428.	0.9	0
75	Prevention of Bleeding-Induced Vascular Abnormalities in the Hemophilic Mouse Joint By Increasing TAFI Levels or Inhibiting uPA Activity. Blood, 2019, 134, 158-158.	0.6	0