

Vera Knauper

List of Publications by Year in descending order

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75
papers

8,319
citations

61857

43
h-index

79541

73
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75
all docs

75
docs citations

75
times ranked

6492
citing authors

#	ARTICLE	IF	CITATIONS
1	Cleavage by MMP-13 renders VWF unable to bind to collagen but increases its platelet reactivity. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 942-954.	1.9	9
2	ADAM15 mediates upregulation of Claudin-1 expression in breast cancer cells. <i>Scientific Reports</i> , 2019, 9, 12540.	1.6	18
3	ADAM17-dependent proteolysis of L-selectin promotes early clonal expansion of cytotoxic T cells. <i>Scientific Reports</i> , 2019, 9, 5487.	1.6	12
4	MMP-13 binds to platelet receptors α IIb β 3 and GPVI and impairs aggregation and thrombus formation. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2018, 2, 370-379.	1.0	9
5	TMEFF2 shedding is regulated by oxidative stress and mediated by ADAMs and transmembrane serine proteases implicated in prostate cancer. <i>Cell Biology International</i> , 2018, 42, 273-280.	1.4	7
6	P2-93: THE ROLE OF EPHA1 IN BLOOD-BRAIN BARRIER INTEGRITY AND NEUROINFLAMMATION IN LATE-ONSET ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2018, 14, P743.	0.4	1
7	P2X7 receptor-mediated TG2 externalization: a link to inflammatory arthritis?. <i>Amino Acids</i> , 2017, 49, 453-460.	1.2	9
8	P2X7 receptor activation regulates rapid unconventional export of transglutaminase-2. <i>Journal of Cell Science</i> , 2015, 128, 4615-28.	1.2	34
9	Differential regulation of TROP2 release by PKC isoforms through vesicles and ADAM17. <i>Cellular Signalling</i> , 2015, 27, 1325-1335.	1.7	26
10	The Recognition of Collagen and Triple-helical Toolkit Peptides by MMP-13. <i>Journal of Biological Chemistry</i> , 2014, 289, 24091-24101.	1.6	43
11	Tissue Inhibitor of Metalloproteinases-3 Peptides Inhibit Angiogenesis and Choroidal Neovascularization in Mice. <i>PLoS ONE</i> , 2013, 8, e55667.	1.1	28
12	Methods for Studying Activation of Matrix Metalloproteinases. <i>Methods in Molecular Biology</i> , 2010, 622, 233-243.	0.4	7
13	Mapping and characterization of the functional epitopes of tissue inhibitor of metalloproteinases (TIMP)-3 using TIMP-1 as the scaffold: A new frontier in TIMP engineering. <i>Protein Science</i> , 2009, 11, 2493-2503.	3.1	29
14	Phorbol Ester-induced Shedding of the Prostate Cancer Marker Transmembrane Protein with Epidermal Growth Factor and Two Follistatin Motifs 2 Is Mediated by the Disintegrin and Metalloproteinase-17. <i>Journal of Biological Chemistry</i> , 2007, 282, 37378-37388.	1.6	36
15	Characterization of the AB Loop Region of TIMP-2. <i>Journal of Biological Chemistry</i> , 2006, 281, 23386-23394.	1.6	15
16	Cytokine stimulated vascular cell adhesion molecule-1 (VCAM-1) ectodomain release is regulated by TIMP-3. <i>Cardiovascular Research</i> , 2005, 67, 39-49.	1.8	93
17	Threonine 98, the Pivotal Residue of Tissue Inhibitor of Metalloproteinases (TIMP)-1 in Metalloproteinase Recognition. <i>Journal of Biological Chemistry</i> , 2004, 279, 17562-17569.	1.6	51
18	Tailoring tissue inhibitor of metalloproteinases-3 to overcome the weakening effects of the cysteine-rich domains of tumour necrosis factor-alpha converting enzyme. <i>Biochemical Journal</i> , 2003, 371, 369-376.	1.7	24

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19	Sequence motifs of tissue inhibitor of metalloproteinases 2 (TIMP-2) determining progelatinase A (proMMP-2) binding and activation by membrane-type metalloproteinase 1 (MT1-MMP). <i>Biochemical Journal</i> , 2003, 372, 799-809.	1.7	52
20	Role of TIMPs (tissue inhibitors of metalloproteinases) in pericellular proteolysis: the specificity is in the detail. <i>Biochemical Society Symposia</i> , 2003, 70, 65-80.	2.7	49
21	Investigation of the role of Endo180/urokinase-type plasminogen activator receptor-associated protein as a collagenase 3 (matrix metalloproteinase 13) receptor. <i>Biochemical Journal</i> , 2002, 363, 67.	1.7	10
22	Investigation of the role of Endo180/urokinase-type plasminogen activator receptor-associated protein as a collagenase 3 (matrix metalloproteinase 13) receptor. <i>Biochemical Journal</i> , 2002, 363, 67-72.	1.7	15
23	Engineering N-terminal domain of tissue inhibitor of metalloproteinase (TIMP)-3 to be a better inhibitor against tumour necrosis factor- α -converting enzyme. <i>Biochemical Journal</i> , 2002, 364, 227-234.	1.7	48
24	Matrix metalloproteinases in arthritic disease. <i>Arthritis Research</i> , 2002, 4, S39.	2.0	278
25	ADAMTS1 cleaves aggrecan at multiple sites and is differentially inhibited by metalloproteinase inhibitors. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 501-508.	1.0	216
26	The C-terminal domains of TACE weaken the inhibitory action of N-TIMP-3. <i>FEBS Letters</i> , 2002, 520, 102-106.	1.3	33
27	The enzymatic activity of ADAM8 and ADAM9 is not regulated by TIMPs. <i>FEBS Letters</i> , 2002, 524, 154-158.	1.3	128
28	Cellular activation of proMMP-13 by MT1-MMP depends on the C-terminal domain of MMP-13. <i>FEBS Letters</i> , 2002, 532, 127-130.	1.3	102
29	Full-Length and N-TIMP-3 Display Equal Inhibitory Activities toward TNF- α Convertase. <i>Biochemical and Biophysical Research Communications</i> , 2001, 280, 945-950.	1.0	60
30	Catalytic activities of membrane-type 6 matrix metalloproteinase (MMP25). <i>FEBS Letters</i> , 2001, 491, 137-142.	1.3	77
31	Specific collagenolysis by gelatinase A, MMP-2, is determined by the hemopexin domain and not the fibronectin-like domain. <i>FEBS Letters</i> , 2001, 503, 158-162.	1.3	169
32	Activation of pro-(matrix metalloproteinase-2) (pro-MMP-2) by thrombin is membrane-type-MMP-dependent in human umbilical vein endothelial cells and generates a distinct 63 kDa active species. <i>Biochemical Journal</i> , 2001, 357, 107.	1.7	72
33	Identification and Enzymatic Characterization of Two Diverging Murine Counterparts of Human Interstitial Collagenase (MMP-1) Expressed at Sites of Embryo Implantation. <i>Journal of Biological Chemistry</i> , 2001, 276, 10253-10262.	1.6	166
34	The role of exon 5 in fibroblast collagenase (MMP-1) substrate specificity and inhibitor selectivity. <i>FEBS Journal</i> , 2001, 268, 1888-1896.	0.2	20
35	Tyrosine 36 Plays a Critical Role in the Interaction of the AB Loop of Tissue Inhibitor of Metalloproteinases-2 with Matrix Metalloproteinase-14. <i>Journal of Biological Chemistry</i> , 2001, 276, 32966-32970.	1.6	39
36	Characterization of the Role of the α MT-loop. <i>Journal of Biological Chemistry</i> , 2001, 276, 42018-42026.	1.6	68

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37	One-step sandwich enzyme immunoassay using monoclonal antibodies for detection of human enamelysin (MMP-20). <i>European Journal of Oral Sciences</i> , 2000, 108, 530-537.	0.7	7
38	Biochemical Characterization of the Catalytic Domain of Human Matrix Metalloproteinase 19. <i>Journal of Biological Chemistry</i> , 2000, 275, 14809-14816.	1.6	118
39	Membrane Type 4 Matrix Metalloproteinase (MMP17) Has Tumor Necrosis Factor- α Convertase Activity but Does Not Activate Pro-MMP2. <i>Journal of Biological Chemistry</i> , 2000, 275, 14046-14055.	1.6	195
40	Localization of the Death Domain of Tissue Inhibitor of Metalloproteinase-3 to the N Terminus. <i>Journal of Biological Chemistry</i> , 2000, 275, 41358-41363.	1.6	112
41	An Analysis of Two Refolding Routes for a C-Terminally Truncated Human Collagenase-3 Expressed in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2000, 19, 246-252.	0.6	5
42	The in vitro activity of ADAM-10 is inhibited by TIMP-1 and TIMP-3. <i>FEBS Letters</i> , 2000, 473, 275-279.	1.3	351
43	Matrix metalloproteinases 19 and 20 cleave aggrecan and cartilage oligomeric matrix protein (COMP). <i>FEBS Letters</i> , 2000, 478, 52-56.	1.3	110
44	Cloning and Characterization of Human MMP-23, a New Matrix Metalloproteinase Predominantly Expressed in Reproductive Tissues and Lacking Conserved Domains in Other Family Members. <i>Journal of Biological Chemistry</i> , 1999, 274, 4570-4576.	1.6	181
45	The Specificity of TIMP-2 for Matrix Metalloproteinases Can Be Modified by Single Amino Acid Mutations. <i>Journal of Biological Chemistry</i> , 1999, 274, 20391-20396.	1.6	73
46	Evaluation of Some Newer Matrix Metalloproteinases. <i>Annals of the New York Academy of Sciences</i> , 1999, 878, 25-39.	1.8	90
47	Inhibition of the Metalloproteinase Domain of Mouse TACE. <i>Annals of the New York Academy of Sciences</i> , 1999, 878, 728-731.	1.8	13
48	Mechanisms for pro matrix metalloproteinase activation. <i>Apmis</i> , 1999, 107, 38-44.	0.9	406
49	Phosphinic Pseudo-Triptides as Potent Inhibitors of Matrix Metalloproteinases: A Structure-Activity Study. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 2610-2620.	2.9	107
50	Membrane type matrix metalloproteinases: regulators of focal proteolysis. , 1999, , 99-115.		0
51	TNF- α converting enzyme (TACE) is inhibited by TIMP-3. <i>FEBS Letters</i> , 1998, 435, 39-44.	1.3	547
52	Collagenase 2 (MMP-8) Expression in Murine Tissue-remodeling Processes. <i>Journal of Biological Chemistry</i> , 1998, 273, 23959-23968.	1.6	121
53	Induction of matrix metalloproteinase activation cascades based on membrane-type 1 matrix metalloproteinase: associated activation of gelatinase A, gelatinase B and collagenase 3. <i>Biochemical Journal</i> , 1998, 331, 453-458.	1.7	166
54	Membrane-Type Matrix Metalloproteinases and Cell Surface-Associated Activation Cascades for Matrix Metalloproteinases. , 1998, , 199-218.		36

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55	The Role of the C-terminal Domain of Human Collagenase-3 (MMP-13) in the Activation of Procollagenase-3, Substrate Specificity, and Tissue Inhibitor of Metalloproteinase Interaction. <i>Journal of Biological Chemistry</i> , 1997, 272, 7608-7616.	1.6	301
56	Limited Cleavage of Extracellular Matrix Protein BM-40 by Matrix Metalloproteinases Increases Its Affinity for Collagens. <i>Journal of Biological Chemistry</i> , 1997, 272, 9237-9243.	1.6	133
57	Identification and Characterization of a Novel Human Matrix Metalloproteinase with Unique Structural Characteristics, Chromosomal Location, and Tissue Distribution. <i>Journal of Biological Chemistry</i> , 1997, 272, 4281-4286.	1.6	207
58	Identification and Structural and Functional Characterization of Human Enamelysin (MMP-20). <i>Biochemistry</i> , 1997, 36, 15101-15108.	1.2	199
59	Relating matrix metalloproteinase structure to function: Why the "hemopexin" domain?. <i>Matrix Biology</i> , 1997, 15, 511-518.	1.5	294
60	Analysis of the contribution of the hinge region of human neutrophil collagenase (HNC, MMP-8) to stability and collagenolytic activity by alanine scanning mutagenesis. <i>FEBS Letters</i> , 1997, 405, 60-64.	1.3	55
61	Activation of Progelatinase B (proMMP-9) by Active Collagenase-3 (MMP-13). <i>FEBS Journal</i> , 1997, 248, 369-373.	0.2	160
62	A one-step sandwich enzyme immunoassay for human matrix metalloproteinase 8 (neutrophil) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	0.5	46
63	Degradation of cartilage aggrecan by collagenase-3 (MMP-13). <i>FEBS Letters</i> , 1996, 380, 17-20.	1.3	326
64	Biochemical Characterization of Human Collagenase-3. <i>Journal of Biological Chemistry</i> , 1996, 271, 1544-1550.	1.6	776
65	Activation of Human Neutrophil Procollagenase by Stromelysin 2. <i>FEBS Journal</i> , 1996, 235, 187-191.	0.2	57
66	Cellular Mechanisms for Human Procollagenase-3 (MMP-13) Activation. <i>Journal of Biological Chemistry</i> , 1996, 271, 17124-17131.	1.6	644
67	Different Susceptibility of Small and Large Human Tenascin-C Isoforms to Degradation by Matrix Metalloproteinases. <i>Journal of Biological Chemistry</i> , 1995, 270, 8650-8654.	1.6	150
68	Neutrophil Procollagenase Can Be Activated by Stromelysin-2. <i>Annals of the New York Academy of Sciences</i> , 1994, 732, 367-368.	1.8	4
69	Mercurial activation of human PMN leucocyte type IV procollagenase (gelatinase). <i>FEBS Letters</i> , 1992, 298, 280-284.	1.3	27
70	Isolation and characterization of tissue inhibitors of metalloproteinases (TIMP-1 and TIMP-2) from human rheumatoid synovial fluid. <i>FEBS Letters</i> , 1992, 296, 16-20.	1.3	30
71	Inactivation of human plasma C1-inhibitor by human PMN leucocyte matrix metalloproteinases. <i>FEBS Letters</i> , 1991, 290, 99-102.	1.3	18
72	Mercurial activation of human polymorphonuclear leucocyte procollagenase. <i>FEBS Journal</i> , 1991, 202, 1223-1230.	0.2	29

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73	Characterization and activation of procollagenase from human polymorphonuclear leucocytes. N-terminal sequence determination of the proenzyme and various proteolytically activated forms. FEBS Journal, 1990, 189, 295-300.	0.2	93
74	Addendum to Partial Amino-Acid Sequence of Human PMN Leukocyte Procollagenase. Biological Chemistry Hoppe-Seyler, 1990, 371, 733-734.	1.4	15
75	Inactivation of human plasma α_1 -proteinase inhibitor by human PMN leucocyte collagenase. FEBS Letters, 1990, 263, 355-357.	1.3	64