Thorsten Maretzky

List of Publications by Year
in descending order

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42	3,812	257450	265206
papers	citations	24 h-index	42 g-index

42	42	42	4417
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ADAM10 mediates E-cadherin shedding and regulates epithelial cell-cell adhesion, migration, and Î²-catenin translocation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9182-9187.	7.1	604
2	ADAM10 cleavage of N-cadherin and regulation of cellâ€“cell adhesion and Î²-catenin nuclear signalling. EMBO Journal, 2005, 24, 742-752.	7.8	438
3	iRhom2 Regulation of TACE Controls TNF-Mediated Protection Against Listeria and Responses to LPS. Science, 2012, 335, 229-232.	12.6	292
4	ADAM10 Regulates Endothelial Permeability and T-Cell Transmigration by Proteolysis of Vascular Endothelial Cadherin. Circulation Research, 2008, 102, 1192-1201.	4.5	264
5	Phytochemicals Perturb Membranes and Promiscuously Alter Protein Function. ACS Chemical Biology, 2014, 9, 1788-1798.	3.4	241
6	L1 Is Sequentially Processed by Two Differently Activated Metalloproteases and Presenilin/Î³-Secretase and Regulates Neural Cell Adhesion, Cell Migration, and Neurite Outgrowth. Molecular and Cellular Biology, 2005, 25, 9040-9053.	2.3	212
7	ADAM10 regulates FasL cell surface expression and modulates FasL-induced cytotoxicity and activation-induced cell death. Cell Death and Differentiation, 2007, 14, 1040-1049.	11.2	165
8	ADAM17 is regulated by a rapid and reversible mechanism that controls access to its catalytic site. Journal of Cell Science, 2010, 123, 3913-3922.	2.0	165
9	iRhom2 controls the substrate selectivity of stimulated ADAM17-dependent ectodomain shedding. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11433-11438.	7.1	138
10	Phosphatidylserine exposure is required for ADAM17 sheddase function. Nature Communications, 2016, 7, 11523.	12.8	134
11	iRHOM2 is a critical pathogenic mediator of inflammatory arthritis. Journal of Clinical Investigation, 2013, 123, 928-32.	8.2	129
12	Migration of growth factor-stimulated epithelial and endothelial cells depends on EGFR transactivation by ADAM17. Nature Communications, 2011, 2, 229.	12.8	128
13	iRhoms 1 and 2 are essential upstream regulators of ADAM17-dependent EGFR signaling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6080-6085.	7.1	121
14	Regulated ADAM10-dependent Ectodomain Shedding of Î³-Protocadherin C3 Modulates Cell-Cell Adhesion. Journal of Biological Chemistry, 2006, 281, 21735-21744.	3.4	94
15	ADAM10-Mediated E-Cadherin Release Is Regulated by Proinflammatory Cytokines and Modulates Keratinocyte Cohesion in Eczematous Dermatitis. Journal of Investigative Dermatology, 2008, 128, 1737-1746.	0.7	79
16	Deletions in the cytoplasmic domain of iRhom1 and iRhom2 promote shedding of the TNF receptor by the protease ADAM17. Science Signaling, 2015, 8, ra109.	3.6	60
17	The Functional Maturation of A Disintegrin and Metalloproteinase (ADAM) 9, 10, and 17 Requires Processing at a Newly Identified Proprotein Convertase (PC) Cleavage Site. Journal of Biological Chemistry, 2015, 290, 12135-12146.	3.4	59
18	A transforming Src mutant increases the bioavailability of EGFR ligands via stimulation of the cell-surface metalloproteinase ADAM17. Oncogene, 2011, 30, 611-618.	5.9	55

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19	Characterization of the catalytic activity of the membrane-anchored metalloproteinase ADAM15 in cell-based assays. Biochemical Journal, 2009, 420, 105-113.	3.7	48
20	ADAM17 Controls Endochondral Ossification by Regulating Terminal Differentiation of Chondrocytes. Molecular and Cellular Biology, 2013, 33, 3077-3090.	2.3	47
21	The Cytoplasmic Domain of A Disintegrin and Metalloproteinase 10 (ADAM10) Regulates Its Constitutive Activity but Is Dispensable for Stimulated ADAM10-dependent Shedding. Journal of Biological Chemistry, 2015, 290, 7416-7425.	3.4	34
22	Structural modeling defines transmembrane residues in ADAM17 that are crucial for Rhbdf2/ADAM17-dependent proteolysis. Journal of Cell Science, 2017, 130, 868-878.	2.0	34
23	Src Stimulates Fibroblast Growth Factor Receptor-2 Shedding by an ADAM15 Splice Variant Linked to Breast Cancer. Cancer Research, 2009, 69, 4573-4576.	0.9	30
24	Macrocyclic Î¸-defensins suppress tumor necrosis factor-Î± (TNF-Î±) shedding by inhibition of TNF-Î±â€“converting enzyme. Journal of Biological Chemistry, 2018, 293, 2725-2734.	3.4	28
25	Loss of RHBDF2 results in an early-onset spontaneous murine colitis. Journal of Leukocyte Biology, 2019, 105, 767-781.	3.3	26
26	Substrateâ€selective protein ectodomain shedding by ADAM17 and iRhom2 depends on their juxtamembrane and transmembrane domains. FASEB Journal, 2020, 34, 4956-4969.	0.5	22
27	Novel functions of inactive rhomboid proteins in immunity and disease. Journal of Leukocyte Biology, 2019, 106, 823-835.	3.3	19
28	Loss of iRhom2 accelerates fat gain and insulin resistance in diet-induced obesity despite reduced adipose tissue inflammation. Metabolism: Clinical and Experimental, 2020, 106, 154194.	3.4	18
29	Characterization of the catalytic properties of the membrane-anchored metalloproteinase ADAM9 in cell-based assays. Biochemical Journal, 2017, 474, 1467-1479.	3.7	16
30	The xenoestrogens biphenolâ€A and nonylphenol differentially regulate metalloproteaseâ€mediated shedding of EGFR ligands. Journal of Cellular Physiology, 2018, 233, 2247-2256.	4.1	16
31	iRhom2 regulates CSF1R cell surface expression and nonâ€steady state myelopoiesis in mice. European Journal of Immunology, 2016, 46, 2737-2748.	2.9	14
32	ADAM17 stabilizes its interacting partner inactive Rhomboid 2 (iRhom2) but not inactive Rhomboid 1 (iRhom1). Journal of Biological Chemistry, 2020, 295, 4350-4358.	3.4	12
33	Targeting the endo-lysosomal autophagy pathway to treat inflammatory bowel diseases. Journal of Autoimmunity, 2022, 128, 102814.	6.5	11
34	Characterization of Oxygen-Induced Retinopathy in Mice Carrying an Inactivating Point Mutation in the Catalytic Site of ADAM15. Investigative Ophthalmology and Visual Science, 2014, 55, 6774-6782.	3.3	10
35	Analysis of the Conditions That Affect the Selective Processing of Endogenous Notch1 by ADAM10 and ADAM17. International Journal of Molecular Sciences, 2021, 22, 1846.	4.1	10
36	Targeted truncation of the ADAM17 cytoplasmic domain in mice results in protein destabilization and a hypomorphic phenotype. Journal of Biological Chemistry, 2021, 296, 100733.	3.4	9

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37	The Role of iRhom2 in Metabolic and Cardiovascular-Related Disorders. Frontiers in Cardiovascular Medicine, 2020, 7, 612808.	2.4	8
38	Members of the Fibroblast Growth Factor Receptor Superfamily Are Proteolytically Cleaved by Two Differently Activated Metalloproteases. International Journal of Molecular Sciences, 2021, 22, 3165.	4.1	8
39	Advantages of Tyrosine Kinase Anti-Angiogenic Cediranib over Bevacizumab: Cell Cycle Abrogation and Synergy with Chemotherapy. Pharmaceuticals, 2021, 14, 682.	3.8	8
40	CD4 expression in effector T cells depends on DNA demethylation over a developmentally established stimulus-responsive element. Nature Communications, 2022, 13, 1477.	12.8	4
41	The Threshold Effect: Lipopolysaccharide-Induced Inflammatory Responses in Primary Macrophages Are Differentially Regulated in an iRhom2-Dependent Manner. Frontiers in Cellular and Infection Microbiology, 2020, 10, 620392.	3.9	1
42	A Disintegrin and Metalloproteases (ADAMs): Activation, Regulation and Mechanisms of Catalysis. International Journal of Molecular Sciences, 2021, 22, 8762.	4.1	1