Stefan DÃ¼sterhÃ¶ft

List of Publications by Year
in descending order

29 papers	1,073 citations	567281 15 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	1291 citing authors

#	Article	IF	Citations
1	Phosphatidylserine exposure is required for ADAM17 sheddase function. Nature Communications, 2016, 7, 11523.	12.8	134
2	Proteolytic Origin of the Soluble Human IL-6R In Vivo and a Decisive Role of N-Glycosylation. PLoS Biology, 2017, 15, e2000080.	5.6	99
3	The metalloprotease ADAM17 in inflammation and cancer. Pathology Research and Practice, 2019, 215, 152410.	2.3	76
4	Membrane-Proximal Domain of a Disintegrin and Metalloprotease-17 Represents the Putative Molecular Switch of Its Shedding Activity Operated by Protein-disulfide Isomerase. Journal of the American Chemical Society, 2013, 135, 5776-5781.	13.7	75
5	Control of ADAM17 activity by regulation of its cellular localisation. Scientific Reports, 2016, 6, 35067.	3.3	75
6	Cleavage Site Localization Differentially Controls Interleukin-6 Receptor Proteolysis by ADAM10 and ADAM17. Scientific Reports, 2016, 6, 25550.	3.3	72
7	The membraneâ€proximal domain of A Disintegrin and Metalloprotease 17 (ADAM17) is responsible for recognition of the interleukinâ€6 receptor and interleukinâ€1 receptor II. FEBS Letters, 2012, 586, 1093-1100.	2.8	63
8	Molecular insights into the multilayered regulation of ADAM17: The role of the extracellular region. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 2088-2095.	4.1	62
9	A Disintegrin and Metalloprotease 17 Dynamic Interaction Sequence, the Sweet Tooth for the Human Interleukin 6 Receptor. Journal of Biological Chemistry, 2014, 289, 16336-16348.	3.4	60
10	Rhomboid proteases in human disease: Mechanisms and future prospects. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 2200-2209.	4.1	56
11	Extracellular Juxtamembrane Segment of ADAM17 Interacts with Membranes and Is Essential for Its Shedding Activity. Biochemistry, 2015, 54, 5791-5801.	2.5	48
12	Status update on iRhom and ADAM17: It's still complicated. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1567-1583.	4.1	39
13	<scp>ADAM</scp> 17â€triggered <scp>TNF</scp> signalling protects the ageing Drosophila retina from lipid dropletâ€mediated degeneration. EMBO Journal, 2020, 39, e104415.	7.8	25
14	The SNP rs4252548 (R112H) which is associated with reduced human height compromises the stability of IL-11. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 496-506.	4.1	21
15	Interleukinâ€11 (ILâ€11) receptor cleavage by the rhomboid protease RHBDL2 induces ILâ€11 transâ€signaling. FASEB Journal, 2021, 35, e21380.	0.5	20
16	The metalloproteinase ADAM10 requires its activity to sustain surface expression. Cellular and Molecular Life Sciences, 2021, 78, 715-732.	5.4	17
17	Differential Induction of the ADAM17 Regulators iRhom1 and 2 in Endothelial Cells. Frontiers in Cardiovascular Medicine, 2020, 7, 610344.	2.4	16
18	Secreted Frizzled-related protein 3 (sFRP3)-mediated suppression of interleukin-6 receptor release by A disintegrin and metalloprotease 17 (ADAM17) is abrogated in the osteoarthritis-associated rare double variant of sFRP3. Biochemical Journal, 2015, 468, 507-518.	3.7	13

#	Article	IF	Citations
19	Cathepsin S provokes interleukin-6 (IL-6) trans-signaling through cleavage of the IL-6 receptor in vitro. Scientific Reports, 2020, 10, 21612.	3.3	13
20	The collectrinâ€like part of the<scp>SARSâ€CoVâ€1 and â€2</scp>receptor<scp>ACE2</scp>is shed by the metalloproteinases<scp>ADAM10</scp>and<scp>ADAM17</scp>. FASEB Journal, 2022, 36, e22234.	0.5	12
21	Interleukin-6 controls recycling and degradation, but not internalization of its receptors. Journal of Biological Chemistry, 2021, 296, 100434.	3.4	11
22	<scp>GRP</scp>78 protects a disintegrin and metalloprotease 17 against proteinâ€disulfide isomerase A6 catalyzed inactivation. FEBS Letters, 2017, 591, 3567-3587.	2.8	9
23	The iRhom2/ADAM17 Axis Attenuates Bacterial Uptake by Phagocytes in a Cell Autonomous Manner. International Journal of Molecular Sciences, 2020, 21, 5978.	4.1	9
24	Expression levels of the metalloproteinase ADAM8 critically regulate proliferation, migration and malignant signalling events in hepatoma cells. Journal of Cellular and Molecular Medicine, 2021, 25, 1982-1999.	3.6	9
25	The iRhom homology domain is indispensable for ADAM17-mediated TNFÎ± and EGF receptor ligand release. Cellular and Molecular Life Sciences, 2021, 78, 5015-5040.	5.4	8
26	ADAM17 Is an Essential Factor for the Infection of Bovine Cells with Pestiviruses. Viruses, 2022, 14, 381.	3.3	8
27	Inflammatory activation of surface molecule shedding by upregulation of the pseudoprotease iRhom2 in colon epithelial cells. Scientific Reports, 2021, 11, 24230.	3.3	8
28	Amphiregulin Regulates Phagocytosis-Induced Cell Death in Monocytes via EGFR and the Bcl-2 Protein Family. Mediators of Inflammation, 2019, 2019, 1-13.	3.0	7
29	Distance dependent shedding of IL-6R. Biochemical and Biophysical Research Communications, 2020, 526, 355-360.	2.1	2