

# Karena Last

## List of Publications by Year in descending order

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22  
papers

2,065  
citations

430874  
18  
h-index

677142  
22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1996  
citing authors

#	ARTICLE	IF	CITATIONS
1	ADAMTS5 is the major aggrecanase in mouse cartilage in vivo and in vitro. <i>Nature</i> , 2005, 434, 648-652.	27.8	826
2	Degradation of cartilage aggrecan by collagenase-3 (MMP-13). <i>FEBS Letters</i> , 1996, 380, 17-20.	2.8	326
3	Matrix metalloproteinases 19 and 20 cleave aggrecan and cartilage oligomeric matrix protein (COMP). <i>FEBS Letters</i> , 2000, 478, 52-56.	2.8	110
4	ADAMTS4 Cleaves at the Aggrecanase Site (Glu373-Ala374) and Secondarily at the Matrix Metalloproteinase Site (Asn341-Phe342) in the Aggrecan Interglobular Domain. <i>Journal of Biological Chemistry</i> , 2002, 277, 16059-16066.	3.4	81
5	Bioactivity in an Aggrecan 32â€mer Fragment Is Mediated via Tollâ€like Receptor 2. <i>Arthritis and Rheumatology</i> , 2015, 67, 1240-1249.	5.6	76
6	An aggrecan fragment drives osteoarthritis pain through Toll-like receptor 2. <i>JCI Insight</i> , 2018, 3, .	5.0	72
7	Generation and Novel Distribution of Matrix Metalloproteinase-derived Aggrecan Fragments in Porcine Cartilage Explants. <i>Journal of Biological Chemistry</i> , 2000, 275, 33027-33037.	3.4	68
8	Thrombin Stimulates Expression of Tissue-Type Plasminogen Activator and Plasminogen Activator Inhibitor Type 1 in Cultured Human Vascular Smooth Muscle Cells. <i>Thrombosis and Haemostasis</i> , 1993, 70, 469-474.	3.4	65
9	Investigating ADAMTS-mediated aggrecanolysis in mouse cartilage. <i>Nature Protocols</i> , 2011, 6, 388-404.	12.0	63
10	Membrane-type 1 MMP (MMP-14) cleaves at three sites in the aggrecan interglobular domain. <i>FEBS Letters</i> , 1998, 430, 186-190.	2.8	52
11	Matrix Metalloproteinases Are Not Essential for Aggrecan Turnover during Normal Skeletal Growth and Development. <i>Molecular and Cellular Biology</i> , 2005, 25, 3388-3399.	2.3	48
12	Mutations in the Interglobular Domain of Aggrecan Alter Matrix Metalloproteinase and Aggrecanase Cleavage Patterns. <i>Journal of Biological Chemistry</i> , 2000, 275, 33038-33045.	3.4	47
13	Cytokineâ€induced increases in ADAMTSâ€4 messenger RNA expression do not lead to increased aggrecanase activity in ADAMTSâ€5â€deficient mice. <i>Arthritis and Rheumatism</i> , 2010, 62, 3365-3373.	6.7	42
14	Recombinant Human Aggrecan G1-G2 Exhibits Native Binding Properties and Substrate Specificity for Matrix Metalloproteinases and Aggrecanase. <i>Journal of Biological Chemistry</i> , 1999, 274, 32387-32395.	3.4	35
15	Recombinant human interleukin-1 inhibits plasminogen activator inhibitor-1 (PAI-1) production by human articular cartilage and chondrocytes. <i>Biochemical and Biophysical Research Communications</i> , 1991, 174, 251-257.	2.1	32
16	N-Linked Keratan Sulfate in the Aggrecan Interglobular Domain Potentiates Aggrecanase Activity. <i>Journal of Biological Chemistry</i> , 2005, 280, 23615-23621.	3.4	28
17	Independent regulation of plasminogen activator inhibitor 2 and plasminogen activator inhibitor 1 in human synovial fibroblasts. <i>Arthritis and Rheumatism</i> , 1992, 35, 1526-1534.	6.7	26
18	Neopeptide Antibodies Against MMP-Cleaved and Aggrecanase-Cleaved Aggrecan. <i>Methods in Molecular Biology</i> , 2010, 622, 305-340.	0.9	21

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19	Aggrecanase cleavage in juvenile idiopathic arthritis patients is minimally detected in the aggrecan interglobular domain but robust at the aggrecan C-terminus. Arthritis and Rheumatism, 2012, 64, 4151-4161.	6.7	12
20	A Disintegrin and Metalloproteinase with Thrombospondin Motifs-5 (ADAMTS-5) Forms Catalytically Active Oligomers. Journal of Biological Chemistry, 2016, 291, 3197-3208.	3.4	12
21	ADAMTS-9 in Mouse Cartilage Has Aggrecanase Activity That Is Distinct from ADAMTS-4 and ADAMTS-5. International Journal of Molecular Sciences, 2019, 20, 573.	4.1	12
22	Evidence for lysosomal exocytosis and release of aggrecan-degrading hydrolases from hypertrophic chondrocytes, <i>in vitro</i> and <i>in vivo</i> . Biology Open, 2012, 1, 318-328.	1.2	11