

Jarmo KÃ¤pylÃ¤

List of Publications by Year in descending order

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38
papers

1,919
citations

279798

23
h-index

330143

37
g-index

38
all docs

38
docs citations

38
times ranked

2352
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrin-mediated Cell Adhesion to Type I Collagen Fibrils. <i>Journal of Biological Chemistry</i> , 2004, 279, 31956-31963.	3.4	311
2	Selective Binding of Collagen Subtypes by Integrin $\alpha 11$, $\alpha 21$, and $\alpha 101$ Domains. <i>Journal of Biological Chemistry</i> , 2001, 276, 48206-48212.	3.4	221
3	Distinct Recognition of Collagen Subtypes by $\alpha 11\beta 1$ and $\alpha 21\beta 1$ Integrins. <i>Journal of Biological Chemistry</i> , 2000, 275, 8255-8261.	3.4	151
4	$\alpha 11\beta 1$ Integrin Recognizes the GFOGER Sequence in Interstitial Collagens. <i>Journal of Biological Chemistry</i> , 2003, 278, 7270-7277.	3.4	143
5	Lumican inhibits cell migration through $\alpha 2\beta 1$ integrin. <i>Experimental Cell Research</i> , 2010, 316, 2922-2931.	2.6	88
6	Molecular mechanism of $\alpha 2\beta 1$ integrin interaction with human echovirus 1. <i>EMBO Journal</i> , 2010, 29, 196-208.	7.8	83
7	A Peptide Inhibiting the Collagen Binding Function of Integrin $\alpha 21$ Domain. <i>Journal of Biological Chemistry</i> , 1999, 274, 3513-3521.	3.4	81
8	Integrin $\alpha 21$ Domain Recognizes Type I and Type IV Collagens by Different Mechanisms. <i>Journal of Biological Chemistry</i> , 2000, 275, 3348-3354.	3.4	65
9	The Fibril-associated Collagen IX Provides a Novel Mechanism for Cell Adhesion to Cartilaginous Matrix. <i>Journal of Biological Chemistry</i> , 2004, 279, 51677-51687.	3.4	65
10	Proline hydroxylation in collagen supports integrin binding by two distinct mechanisms. <i>Journal of Biological Chemistry</i> , 2018, 293, 7645-7658.	3.4	57
11	Structural and Functional Analysis of Integrin $\alpha 21$ Domain Interaction with Echovirus 1. <i>Journal of Biological Chemistry</i> , 2004, 279, 11632-11638.	3.4	55
12	The binding capacity of $\alpha 1\beta 1$ -, $\alpha 2\beta 1$ - and $\alpha 10\beta 1$ -integrins depends on non-collagenous surface macromolecules rather than the collagens in cartilage fibrils. <i>Matrix Biology</i> , 2017, 63, 91-105.	3.6	44
13	Effect of D97E Substitution on the Kinetic and Thermodynamic Properties of Escherichia coli Inorganic Pyrophosphatase. <i>Biochemistry</i> , 1995, 34, 792-800.	2.5	43
14	A small-molecule inhibitor of integrin $\alpha 2\beta 1$ introduces a new strategy for antithrombotic therapy. <i>Thrombosis and Haemostasis</i> , 2010, 103, 387-397.	3.4	40
15	Collagen XXIII, Novel Ligand for Integrin $\alpha 2\beta 1$ in the Epidermis. <i>Journal of Biological Chemistry</i> , 2011, 286, 27804-27813.	3.4	39
16	Citrullination of collagen II affects integrin-mediated cell adhesion in a receptor-specific manner. <i>FASEB Journal</i> , 2014, 28, 3758-3768.	0.5	39
17	Novel $\alpha 2\beta 1$ Integrin Inhibitors Reveal That Integrin Binding to Collagen under Shear Stress Conditions Does Not Require Receptor Preactivation. <i>Journal of Biological Chemistry</i> , 2012, 287, 44694-44702.	3.4	37
18	Jararhagin-derived RKKH Peptides Induce Structural Changes in $\alpha 11$ Domain of Human Integrin $\alpha 1\beta 1$. <i>Journal of Biological Chemistry</i> , 2004, 279, 7962-7970.	3.4	35

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19	Peptides from the Snake Venom Metalloproteinase of Bothrops jararaca Bind Near the Metal Ion-dependent Adhesion Site of the Human Integrin $\alpha 2$ I-domain. <i>Journal of Biological Chemistry</i> , 1999, 274, 31493-31505.	3.4	33
20	Effects of conformational activation of integrin $\alpha 11$ and $\alpha 21$ domains on selective recognition of laminin and collagen subtypes. <i>Experimental Cell Research</i> , 2008, 314, 1734-1743.	2.6	32
21	Leukocyte integrins αL^2 , αM^2 and αX^2 as collagen receptors Receptor activation and recognition of GFOGER motif. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1204-1211.	2.8	25
22	Effect of E20D Substitution in the Active Site of <i>Escherichia coli</i> inorganic Pyrophosphatase on Its Quaternary Structure and Catalytic Properties. <i>Biochemistry</i> , 1996, 35, 4662-4669.	2.5	24
23	Small Molecule Designed to Target Metal Binding Site in the $\alpha 21$ Domain Inhibits Integrin Function. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 2742-2746.	6.4	24
24	The R78K and D117E active-site variants of <i>Saccharomyces cerevisiae</i> soluble inorganic pyrophosphatase: structural studies and mechanistic implications 1 Edited by D. Rees. <i>Journal of Molecular Biology</i> , 1998, 284, 1565-1580.	4.2	21
25	Structure of Collagen Receptor Integrin $\alpha 11$ Domain Carrying the Activating Mutation E317A. <i>Journal of Biological Chemistry</i> , 2011, 286, 43343-43351.	3.4	20
26	Joint inflammation related citrullination of functional arginines in extracellular proteins. <i>Scientific Reports</i> , 2017, 7, 8246.	3.3	18
27	Extracellular citrullination inhibits the function of matrix associated TGF- $\beta 2$. <i>Matrix Biology</i> , 2016, 55, 77-89.	3.6	16
28	Fluorescent Small Molecule Probe to Modulate and Explore $\alpha 21$ Integrin Function. <i>Journal of the American Chemical Society</i> , 2011, 133, 14558-14561.	13.7	15
29	Molecular mechanism of T-cell protein tyrosine phosphatase (TCPTP) activation by mitoxantrone. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1988-1997.	2.3	14
30	Integrin $\alpha 11^21$ is a receptor for collagen XIII. <i>Cell and Tissue Research</i> , 2021, 383, 1135-1153.	2.9	14
31	Production, crystallization and preliminary X-ray analysis of the human integrin $\alpha 1$ I domain. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 1365-1367.	2.5	13
32	Analysis of an ascidian integrin provides new insight into early evolution of collagen recognition. <i>FEBS Letters</i> , 2007, 581, 2434-2440.	2.8	12
33	In vitro blood and fibroblast responses to BisGMA/TEGDMA/bioactive glass composite implants. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 151-162.	3.6	11
34	The binding mechanism of the virulence factor <i>Streptococcus suis</i> adhesin P subtype to globotetraosylceramide is associated with systemic disease. <i>Journal of Biological Chemistry</i> , 2020, 295, 14305-14324.	3.4	10
35	Sulfonamide inhibitors of $\alpha 2$ integrin reveal the essential role of collagen receptors in vivo models of inflammation. <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00146.	2.4	9
36	Early Chordate Origin of the Vertebrate Integrin αI Domains. <i>PLoS ONE</i> , 2014, 9, e112064.	2.5	7

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37	Evolution of Cell Adhesion to Extracellular Matrix. <i>Biology of Extracellular Matrix</i> , 2013, , 243-283.	0.3	4
38	Leukocyte Integrins α L β 2, α M β 2 and α X β 2 as Collagen Receptors – Receptor Activation and Recognition of GFOGER Motif. <i>FASEB Journal</i> , 2015, 29, LB167.	0.5	0