

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 $\alpha 11 \beta 21$ is a receptor for collagen XIII. Cell and Tissue Research, 2021, 383, 1135-1153.	2.9	14
2	The binding mechanism of the virulence factor Streptococcus suis adhesin P subtype to globotetraosylceramide is associated with systemic disease. Journal of Biological Chemistry, 2020, 295, 14305-14324.	3.4	10
3	Proline hydroxylation in collagen supports integrin binding by two distinct mechanisms. Journal of Biological Chemistry, 2018, 293, 7645-7658.	3.4	57
4	The binding capacity of $\alpha 1 \beta 21$ -, $\alpha 2 \beta 21$ - and $\alpha 10 \beta 21$ -integrins depends on non-collagenous surface macromolecules rather than the collagens in cartilage fibrils. Matrix Biology, 2017, 63, 91-105.	3.6	44
5	Joint inflammation related citrullination of functional arginines in extracellular proteins. Scientific Reports, 2017, 7, 8246.	3.3	18
6	Extracellular citrullination inhibits the function of matrix associated TGF- $\beta 2$. Matrix Biology, 2016, 55, 77-89.	3.6	16
7	Sulfonamide inhibitors of $\alpha 2 \beta 1$ integrin reveal the essential role of collagen receptors in vivo models of inflammation. Pharmacology Research and Perspectives, 2015, 3, e00146.	2.4	9
8	Leukocyte Integrins $\alpha L \beta 2$, $\alpha M \beta 2$ and $\alpha X \beta 2$ as Collagen Receptors – Receptor Activation and Recognition of GFOGER Motif. FASEB Journal, 2015, 29, LB167.	0.5	0
9	Citrullination of collagen II affects integrin-mediated cell adhesion in a receptor-specific manner. FASEB Journal, 2014, 28, 3758-3768.	0.5	39
10	In vitro blood and fibroblast responses to BisGMA/TEGDMA/bioactive glass composite implants. Journal of Materials Science: Materials in Medicine, 2014, 25, 151-162.	3.6	11
11	Early Chordate Origin of the Vertebrate Integrin αI Domains. PLoS ONE, 2014, 9, e112064.	2.5	7
12	Molecular mechanism of T-cell protein tyrosine phosphatase (TCPTP) activation by mitoxantrone. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 1988-1997.	2.3	14
13	Evolution of Cell Adhesion to Extracellular Matrix. Biology of Extracellular Matrix, 2013, , 243-283.	0.3	4
14	Leukocyte integrins $\alpha L \beta 2$, $\alpha M \beta 2$ and $\alpha X \beta 2$ as collagen receptors – Receptor activation and recognition of GFOGER motif. International Journal of Biochemistry and Cell Biology, 2013, 45, 1204-1211.	2.8	25
15	Novel $\alpha 2 \beta 1$ Integrin Inhibitors Reveal That Integrin Binding to Collagen under Shear Stress Conditions Does Not Require Receptor Preactivation. Journal of Biological Chemistry, 2012, 287, 44694-44702.	3.4	37
16	Fluorescent Small Molecule Probe to Modulate and Explore $\alpha 2 \beta 1$ Integrin Function. Journal of the American Chemical Society, 2011, 133, 14558-14561.	13.7	15
17	Collagen XXIII, Novel Ligand for Integrin $\alpha 2 \beta 1$ in the Epidermis. Journal of Biological Chemistry, 2011, 286, 27804-27813.	3.4	39
18	Structure of Collagen Receptor Integrin $\alpha 11$ Domain Carrying the Activating Mutation E317A. Journal of Biological Chemistry, 2011, 286, 43343-43351.	3.4	20

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19	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
20	Lumican inhibits cell migration through $\alpha_2\beta_1$ integrin. <i>Experimental Cell Research</i> , 2010, 316, 2922-2931.	2.6	88
21	Molecular mechanism of $\alpha_2\beta_1$ integrin interaction with human echovirus 1. <i>EMBO Journal</i> , 2010, 29, 196-208.	7.8	83
22	Effects of conformational activation of integrin $\alpha_1\beta_1$ and $\alpha_2\beta_1$ domains on selective recognition of laminin and collagen subtypes. <i>Experimental Cell Research</i> , 2008, 314, 1734-1743.	2.6	32
23	Small Molecule Designed to Target Metal Binding Site in the $\alpha_2\beta_1$ Domain Inhibits Integrin Function. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 2742-2746.	6.4	24
24	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
25	Integrin-mediated Cell Adhesion to Type I Collagen Fibrils. <i>Journal of Biological Chemistry</i> , 2004, 279, 31956-31963.	3.4	311
26	Jararhagin-derived RKKH Peptides Induce Structural Changes in $\alpha_1\beta_1$ Domain of Human Integrin $\alpha_1\beta_1$. <i>Journal of Biological Chemistry</i> , 2004, 279, 7962-7970.	3.4	35
27	Structural and Functional Analysis of Integrin $\alpha_2\beta_1$ Domain Interaction with Echovirus 1. <i>Journal of Biological Chemistry</i> , 2004, 279, 11632-11638.	3.4	55
28	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
29	$\alpha_1\beta_1$ Integrin Recognizes the GFOGER Sequence in Interstitial Collagens. <i>Journal of Biological Chemistry</i> , 2003, 278, 7270-7277.	3.4	143
30	Selective Binding of Collagen Subtypes by Integrin $\alpha_1\beta_1$, $\alpha_2\beta_1$, and $\alpha_1\beta_3$ Domains. <i>Journal of Biological Chemistry</i> , 2001, 276, 48206-48212.	3.4	221
31	Integrin $\alpha_2\beta_1$ Domain Recognizes Type I and Type IV Collagens by Different Mechanisms. <i>Journal of Biological Chemistry</i> , 2000, 275, 3348-3354.	3.4	65
32	Distinct Recognition of Collagen Subtypes by $\alpha_1\beta_1$ and $\alpha_2\beta_1$ Integrins. <i>Journal of Biological Chemistry</i> , 2000, 275, 8255-8261.	3.4	151
33	A Peptide Inhibiting the Collagen Binding Function of Integrin $\alpha_2\beta_1$ Domain. <i>Journal of Biological Chemistry</i> , 1999, 274, 3513-3521.	3.4	81
34	$\alpha_2\beta_1$ Peptides from the Snake Venom Metalloproteinase of <i>Bothrops jararaca</i> Bind Near the Metal Ion-dependent Adhesion Site of the Human Integrin $\alpha_2\beta_1$ I-domain. <i>Journal of Biological Chemistry</i> , 1999, 274, 31493-31505.	3.4	33
35	Production, crystallization and preliminary X-ray analysis of the human integrin $\alpha_1\beta_1$ I domain. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 1365-1367.	2.5	13
36	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

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37	Effect of E20D Substitution in the Active Site of Escherichia coli Inorganic Pyrophosphatase on Its Quaternary Structure and Catalytic Properties. Biochemistry, 1996, 35, 4662-4669.	2.5	24
38	Effect of D97E Substitution on the Kinetic and Thermodynamic Properties of Escherichia coli Inorganic Pyrophosphatase. Biochemistry, 1995, 34, 792-800.	2.5	43