Markku Tammi

List of Publications by Year
in descending order

61 papers	4,363 citations	109321 35 h-index	133252 59 g-index
61 all docs	61 docs citations	61 times ranked	3600 citing authors

#	Article	IF	Citations
1	Stromal hyaluronan accumulation is associated with low immune response and poor prognosis in pancreatic cancer. Scientific Reports, 2021, 11, 12216.	3.3	26
2	Melanocyte Hyaluronan Coat Fragmentation Enhances the UVB-Induced TLR-4 Receptor Signaling and Expression of Proinflammatory Mediators IL6, IL8, CXCL1, and CXCL10 viaÂNF-Î²B Activation. Journal of Investigative Dermatology, 2019, 139, 1993-2003.e4.	0.7	15
3	Hyaluronan synthesis supports glutamate transporter activity. Journal of Neurochemistry, 2019, 150, 249-263.	3.9	6
4	UDP-sugar substrates of HAS3 regulate its O-GlcNAcylation, intracellular traffic, extracellular shedding and correlate with melanoma progression. Cellular and Molecular Life Sciences, 2016, 73, 3183-3204.	5.4	45
5	Hyaluronan-positive plasma membrane protrusions exist on mesothelial cells in vivo. Histochemistry and Cell Biology, 2016, 145, 531-544.	1.7	11
6	Interleukin-1Î²-induced Reduction of CD44 Ser-325 Phosphorylation in Human Epidermal Keratinocytes Promotes CD44 Homomeric Complexes, Binding to Ezrin, and Extended, Monocyte-adhesive Hyaluronan Coats. Journal of Biological Chemistry, 2015, 290, 12379-12393.	3.4	21
7	The reciprocal association between mammographic breast density, hyaluronan synthesis and patient outcome. Breast Cancer Research and Treatment, 2015, 153, 625-634.	2.5	11
8	Hyaluronan synthase 3 (HAS3) overexpression downregulates MV3 melanoma cell proliferation, migration and adhesion. Experimental Cell Research, 2015, 337, 1-15.	2.6	25
9	Hyaluronan synthases (HAS1â€“3) in stromal and malignant cells correlate with breast cancer grade and predict patient survival. Breast Cancer Research and Treatment, 2014, 143, 277-286.	2.5	115
10	Tissue distribution and subcellular localization of hyaluronan synthase isoenzymes. Histochemistry and Cell Biology, 2014, 141, 17-31.	1.7	63
11	The dynamic metabolism of hyaluronan regulates the cytosolic concentration of UDP-GlcNAc. Matrix Biology, 2014, 35, 14-17.	3.6	87
12	Increased hyaluronan content and stromal cell CD44 associate with HER2 positivity and poor prognosis in human breast cancer. International Journal of Cancer, 2013, 132, 531-539.	5.1	108
13	Low Dose Ultraviolet B Irradiation Increases Hyaluronan Synthesis in Epidermal Keratinocytes via Sequential Induction of Hyaluronan Synthases Has1â€“3 Mediated by p38 and Ca2+/Calmodulin-dependent Protein Kinase II (CaMKII) Signaling*. Journal of Biological Chemistry, 2013, 288, 17999-18012.	3.4	42
14	Role of UDP-N-Acetylglucosamine (GlcNAc) and O-GlcNAcylation of Hyaluronan Synthase 2 in the Control of Chondroitin Sulfate and Hyaluronan Synthesis. Journal of Biological Chemistry, 2012, 287, 35544-35555.	3.4	120
15	Melanoma cell-derived factors stimulate hyaluronan synthesis in dermal fibroblasts by upregulating HAS2 through PDGFR-PI3K-AKT and p38 signaling. Histochemistry and Cell Biology, 2012, 138, 895-911.	1.7	22
16	Role of CD44 in the organization of keratinocyte pericellular hyaluronan. Histochemistry and Cell Biology, 2012, 137, 107-120.	1.7	32
17	Increased Th17 rather than Th1 alloimmune response is associated with cardiac allograft vasculopathy after hypothermic preservation in the rat. Journal of Heart and Lung Transplantation, 2010, 29, 1047-1057.	0.6	29
18	Pericellular Hyaluronan Coat Visualized in Live Cells With a Fluorescent Probe Is Scaffolded by Plasma Membrane Protrusions. Journal of Histochemistry and Cytochemistry, 2008, 56, 901-910.	2.5	98

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19	Hyaluronan in Breast Cancer: Correlations With Nitric Oxide Synthases and Tyrosine Nitrosylation. Journal of Histochemistry and Cytochemistry, 2007, 55, 1191-1198.	2.5	33
20	Hyaluronan Synthase Induction and Hyaluronan Accumulation in Mouse Epidermis Following Skin Injury. Journal of Investigative Dermatology, 2005, 124, 898-905.	0.7	132
21	Genetic alterations in the peritumoral stromal cells of malignant and borderline epithelial ovarian tumors as indicated by allelic imbalance on chromosome 3p. International Journal of Cancer, 2004, 109, 247-252.	5.1	72
22	The Hyaluronan Synthesis Inhibitor 4-Methylumbelliferone Prevents Keratinocyte Activation and Epidermal Hyperproliferation Induced by Epidermal Growth Factor. Journal of Investigative Dermatology, 2004, 123, 708-714.	0.7	70
23	Versican in epithelial ovarian cancer: Relation to hyaluronan, clinicopathologic factors and prognosis. International Journal of Cancer, 2003, 107, 359-364.	5.1	92
24	INTRACELLULAR HYALURONAN IN EPIDERMAL KERATINOCYTES. , 2002, , 517-524.		0
25	HYALURONAN STIMULATES KERATINOCYTE MIGRATION AND ACTIVATES THE TRANSCRIPTION FACTOR AP-1 IN KERATINOCYTES THROUGH THE JNK PATHWAY. , 2002, , 551-556.		0
26	Hyaluronan expression in differentiated thyroid carcinoma. Journal of Pathology, 2002, 196, 180-185.	4.5	31
27	Elevated hyaluronan concentration without hyaluronidase activation in malignant epithelial ovarian tumors. Cancer Research, 2002, 62, 6410-3.	0.9	86
28	Prognostic value of hyaluronan expression in non-small-cell lung cancer: Increased stromal expression indicates unfavorable outcome in patients with adenocarcinoma. International Journal of Cancer, 2001, 95, 12-17.	5.1	133
29	VitaminÂC enhances differentiation of a continuous keratinocyte cell line (REK) into epidermis with normal stratum corneum ultrastructure and functional permeability barrier. Histochemistry and Cell Biology, 2001, 116, 287-297.	1.7	66
30	Hyaluronan synthases, hyaluronan, and its CD44 receptor in tissue around loosened total hip prostheses. Journal of Pathology, 2001, 194, 384-390.	4.5	13
31	Hyaluronan Enters Keratinocytes by a Novel Endocytic Route for Catabolism. Journal of Biological Chemistry, 2001, 276, 35111-35122.	3.4	217
32	Prognostic value of hyaluronan expression in nonâ€smallâ€cell lung cancer: Increased stromal expression indicates unfavorable outcome in patients with adenocarcinoma. International Journal of Cancer, 2001, 95, 12-17.	5.1	1
33	Quantitative image analysis of hyaluronan expression in human tooth germs. European Journal of Oral Sciences, 2000, 108, 320-326.	1.5	36
34	Hyaluronan in Peritumoral Stroma and Malignant Cells Associates with Breast Cancer Spreading and Predicts Survival. American Journal of Pathology, 2000, 156, 529-536.	3.8	464
35	Irregular expression of hyaluronan and its CD44 receptor is associated with metastatic phenotype in laryngeal squamous cell carcinoma. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 1999, 434, 37-44.	2.8	59
36	Increase of Decorin Content in Articular Cartilage Following Running. Connective Tissue Research, 1998, 37, 295-302.	2.3	14

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37	Hyaluronan in the Interphotoreceptor Matrix of the Eye: Species Differences in Content, Distribution, Ligand Binding and degradation. Experimental Eye Research, 1998, 66, 241-248.	2.6	48
38	Ultrastructural Analysis of Human Epidermal CD44 Reveals Preferential Distribution on Plasma Membrane Domains Facing the Hyaluronan-rich Matrix Pouches. Journal of Histochemistry and Cytochemistry, 1998, 46, 241-248.	2.5	30
39	Hyaluronan Bound to CD44 on Keratinocytes Is Displaced by Hyaluronan Decasaccharides and Not Hexasaccharides. Journal of Biological Chemistry, 1998, 273, 28878-28888.	3.4	127
40	CD44 Substituted with Heparan Sulfate and Endo-Î²-galactosidase-Sensitive Oligosaccharides: A Major Proteoglycan in Adult Human Epidermis. Journal of Investigative Dermatology, 1997, 109, 213-218.	0.7	24
41	Developmentally Programmed Expression of Hyaluronan in Human Skin and its Appendages. Journal of Investigative Dermatology, 1997, 109, 219-224.	0.7	33
42	Polyamine-dependent alterations in the structure of microfilaments, golgi apparatus, endoplasmic reticulum, and proteoglycan synthesis in BHK cells. Journal of Cellular Biochemistry, 1997, 66, 165-174.	2.6	29
43	Spatial distribution of CD44 and hyaluronan in the proximal tibia of the growing rat. Journal of Orthopaedic Research, 1996, 14, 573-581.	2.3	54
44	Hydrocortisone regulation of hyaluronan metabolism in human skin organ culture. Journal of Cellular Physiology, 1995, 164, 240-248.	4.1	46
45	Proteoglycan and Collagen Alterations in Canine Knee Articular Cartilage Following 20 KM Daily Running Exercise for 15 Weeks. Connective Tissue Research, 1994, 30, 191-201.	2.3	42
46	Articular cartilage thickness and glycosaminoglycan distribution in the young canine knee joint after remobilization of the immobilized limb. Journal of Orthopaedic Research, 1994, 12, 161-167.	2.3	72
47	Hyaluronan Metabolism in Skin. Progress in Histochemistry and Cytochemistry, 1994, 29, III-77.	5.1	132
48	Proteoglycans in the Intervertebral Disc of Young Dogs Following Strenuous Running Exercise. Connective Tissue Research, 1994, 30, 225-240.	2.3	18
49	Effects of aerobic long distance running training (up to 40 km ï¿½ day?1) of 1-year duration on blood and endocrine parameters of female beagle dogs. European Journal of Applied Physiology and Occupational Physiology, 1993, 67, 321-329.	1.2	25
50	Proteoglycans Synthesized by Adult Human Epidermis in Whole Skin Organ Culture. Journal of Investigative Dermatology, 1992, 99, 623-628.	0.7	6
51	Local stimulation of proteoglycan synthesis in articular cartilage explants by dynamic compression in vitro. Journal of Orthopaedic Research, 1992, 10, 610-620.	2.3	205
52	Degradation of Newly Synthesized High Molecular Mass Hyaluronan in the Epidermal and Dermal Compartments of Human Skin in Organ Culture. Journal of Investigative Dermatology, 1991, 97, 126-130.	0.7	138
53	Proteoglycan alterations following immobilization and remobilization in the articular cartilage of young canine knee (stifle) joint. Journal of Orthopaedic Research, 1990, 8, 863-873.	2.3	74
54	Hyaluronate Accumulation in Human Epidermis Treated with Retinoic Acid in Skin Organ Culture. Journal of Investigative Dermatology, 1989, 92, 326-332.	0.7	131

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55	Moderate running exercise augments glycosaminoglycans and thickness of articular cartilage in the knee joint of young beagle dogs. Journal of Orthopaedic Research, 1988, 6, 188-195.	2.3	269
56	Localization of Epidermal Hyaluronic Acid Using the Hyaluronate Binding Region of Cartilage Proteoglycan as a Specific Probe. Journal of Investigative Dermatology, 1988, 90, 412-414.	0.7	199
57	Influence of retinoic acid on the ultrastructure and hyaluronic acid synthesis of adult human epidermis in whole skin organ culture. Journal of Cellular Physiology, 1986, 126, 389-398.	4.1	44
58	Determination of unsaturated glycosaminoglycan disaccharides by spectrophotometry on thin-layer chromatographic plates. Analytical Biochemistry, 1984, 140, 354-359.	2.4	23
59	Proteoglycan Alterations in Rabbit Knee Articular Cartilage Following Physical Exercise and Immobilization. Connective Tissue Research, 1983, 11, 45-55.	2.3	68
60	Time and concentration dependence of the action of cortisol on fibroblasts in vitro. Biochimica Et Biophysica Acta - General Subjects, 1978, 540, 117-126.	2.4	35
61	A rapid method for separation and assay of radiolabeled mucopolysaccharides from cell culture medium. Analytical Biochemistry, 1977, 81, 40-46.	2.4	96