Ikuko Kakizaki

List of Publications by Year
in descending order

74	1,706	279798	289244
papers	citations	23 h-index	40 g-index

77	77	77	1764
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A simple quality evaluation method for proteoglycan after addition to beverages. Journal of Applied Glycoscience (1999), 2022, , .	0.7	0
2	Machine learning diagnosis by immunoglobulin Nâ€glycan signatures for precision diagnosis of urological diseases. Cancer Science, 2022, 113, 2434-2445.	3.9	7
3	Essential hyaluronan structure for binding with hyaluronan-binding protein (HABP) determined by glycotechnological approach. Carbohydrate Polymers, 2021, 251, 116989.	10.2	2
4	Nâ€glycan signature of serum immunoglobulins as a diagnostic biomarker of urothelial carcinomas. Cancer Medicine, 2021, 10, 1297-1313.	2.8	5
5	Effect of glycosaminoglycan structure on all-trans-retinoic acid-induced neural differentiation of P19 embryonal carcinoma cells. Biochemical and Biophysical Research Communications, 2021, 570, 169-174.	2.1	1
6	A Chondroitin Sulfate Chain of Urinary Trypsin Inhibitor Enhances Protease Inhibitory Activity of the Core Protein. Journal of Applied Glycoscience (1999), 2020, 67, 63-66.	0.7	2
7	Dermatan sulfate oligosaccharides having reducing end 2, 5-anhydro-d-talose inhibit bovine testicular hyaluronidase activity. Carbohydrate Research, 2019, 483, 107754.	2.3	0
8	Development of new therapeutic agents for preterm birth by glycosaminoglycan chain remodeling of urinary trypsin inhibitor. Hypertension Research in Pregnancy, 2019, 7, 27-35.	0.2	2
9	Proteoglycan-substrate gel zymography for the detection of chondroitin sulfate-degrading enzymes. Analytical Biochemistry, 2019, 568, 51-52.	2.4	3
10	4-Methylumbelliferone Decreases the Hyaluronan-rich Extracellular Matrix and Increases the Effectiveness of 5-Fluorouracil. Anticancer Research, 2018, 38, 5799-5804.	1.1	13
11	A mechanism for evasion of CTL immunity by altered O -glycosylation of HLA class I. Journal of Biochemistry, 2017, 161, mvw096.	1.7	11
12	Chondroitin sulfate proteoglycans from salmon nasal cartilage inhibit angiogenesis. Biochemistry and Biophysics Reports, 2017, 9, 72-78.	1.3	24
13	4-Methylumbelliferone Suppresses Hyaluronan Synthesis and Tumor Progression in SCID Mice Intra-abdominally Inoculated With Pancreatic Cancer Cells. Pancreas, 2017, 46, 190-197.	1.1	34
14	Characterization of Proteoglycan and Hyaluronan in Hot Water Extract from Salmon Cartilage. Journal of Applied Glycoscience (1999), 2017, 64, 83-90.	0.7	5
15	Aminosilane patterning on substrate surface by PDMS soft stamp for proteoglycan molecular immobilization. , 2016, , .		0
16	Effects of C-xylopyranoside derivative on epithelial regeneration in an in vitro 3D oral mucosa model. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1344-1355.	1.3	4
17	Hyaluronan Production Regulates Metabolic and Cancer Stem-like Properties of Breast Cancer Cells via Hexosamine Biosynthetic Pathway-coupled HIF-1 Signaling. Journal of Biological Chemistry, 2016, 291, 24105-24120.	3.4	60
18	Antitumor effects of the hyaluronan inhibitor 4-methylumbelliferone on pancreatic cancer. Oncology Letters, 2016, 12, 2337-2344.	1.8	24

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19	[Regular Paper] The Suntan Suppressive Effect by Oral Ingestion of Hot Water Extract from Salmon Nasal Cartilage:. Bulletin of Applied Glycoscience, 2016, 6, 138-146.	0.0	1
20	Enzymatic synthesis of hyaluronan hybrid urinary trypsin inhibitor. Carbohydrate Research, 2015, 413, 129-134.	2.3	6
21	Chondroitin sulfate cluster of epiphycan from salmon nasal cartilage defines binding specificity to collagens. Glycobiology, 2015, 25, 557-569.	2.5	19
22	Inhibitory effect of chondroitin sulfate oligosaccharides on bovine testicular hyaluronidase. Carbohydrate Polymers, 2015, 121, 362-371.	10.2	21
23	Characterization of Proteoglycan and Hyaluronan in Water-based Delipidated Powder of Salmon Cartilage. Journal of Applied Glycoscience (1999), 2015, 62, 115-120.	0.7	5
24	Biochemical and atomic force microscopic characterization of salmon nasal cartilage proteoglycan. Carbohydrate Polymers, 2014, 103, 538-549.	10.2	17
25	One set system for the synthesis and purification of glycosaminoglycan oligosaccharides reconstructed using a hyaluronidaseâ€immobilized column. Biopolymers, 2014, 101, 189-196.	2.4	4
26	Effect of a cholesterol-rich lipid environment on the enzymatic activity of reconstituted hyaluronan synthase. Biochemical and Biophysical Research Communications, 2014, 443, 666-671.	2.1	15
27	Synthesis ofN-acetyl Glucosamine Analogs as Inhibitors for Hyaluronan Biosynthesis. Journal of Carbohydrate Chemistry, 2013, 32, 392-409.	1.1	10
28	Epiphycan from salmon nasal cartilage is a novel type of large leucine-rich proteoglycan. Glycobiology, 2013, 23, 993-1003.	2.5	9
29	Time-dependent gene expression and immunohistochemical analysis of the injured anterior cruciate ligament. Bone and Joint Research, 2012, 1, 238-244.	3.6	21
30	Synthesis of neoproteoglycans using the transglycosylation reaction as a reverse reaction of endo-glycosidases. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2012, 88, 327-344.	3.8	12
31	Anti-inflammatory effect of proteoglycan and progesterone on human uterine cervical fibroblasts. Life Sciences, 2012, 90, 484-488.	4.3	25
32	Hyaluronanâ€“chondroitin hybrid oligosaccharides as new life science research tools. Biochemical and Biophysical Research Communications, 2012, 423, 344-349.	2.1	10
33	Interaction of Listeria monocytogenes autolysin amidase with glycosaminoglycans promotes listerial adhesion to mouse hepatocytes. Biochimie, 2012, 94, 1291-1299.	2.6	17
34	Identification of proteoglycan from salmon nasal cartilage. Archives of Biochemistry and Biophysics, 2011, 506, 58-65.	3.0	29
35	Effects of divalent cations on bovine testicular hyaluronidase catalyzed transglycosylation of chondroitin sulfates. Biochemical and Biophysical Research Communications, 2011, 406, 239-244.	2.1	9
36	Novel proteoglycan glycotechnology: chemoenzymatic synthesis of chondroitin sulfate-containing molecules and its application. Glycoconjugate Journal, 2010, 27, 189-198.	2.7	10

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37	Mechanism for the hydrolysis of hyaluronan oligosaccharides by bovine testicular hyaluronidase. FEBS Journal, 2010, 277, 1776-1786.	4.7	48
38	Novel Glycosaminoglycan Glycotechnology: Method for Hybrid Synthesis of Glycosaminoglycan Chains Utilizing Chemo-enzymatic Procedures. Journal of Carbohydrate Chemistry, 2010, 29, 315-331.	1.1	4
39	Novel products in hyaluronan digested by bovine testicular hyaluronidase. Glycoconjugate Journal, 2009, 26, 559-566.	2.7	18
40	Stimulation of Small Proteoglycan Synthesis by the Hyaluronan Synthesis Inhibitor 4-Methylumbelliferone in Human Skin Fibroblasts. Connective Tissue Research, 2009, 50, 194-202.	2.3	5
41	Up-regulation of hyaluronan synthase genes in cultured human epidermal keratinocytes by UVB irradiation. Archives of Biochemistry and Biophysics, 2008, 471, 85-93.	3.0	32
42	Structural Interactions in Chondroitin 4-Sulfate Mediated Adherence of Plasmodium falciparum Infected Erythrocytes in Human Placenta during Pregnancy-Associated Malaria. Biochemistry, 2008, 47, 12635-12643.	2.5	27
43	Diversity in the degree of sulfation and chain length of the glycosaminoglycan moiety of urinary trypsin inhibitor isomers. Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 171-177.	2.4	13
44	Inhibitory effect of 4-methylesculetin on hyaluronan synthesis slows the development of human pancreatic cancerin vitro and in nude mice. International Journal of Cancer, 2007, 120, 2704-2709.	5.1	37
45	Study of hyaluronan synthase inhibitor, 4-methylumbelliferone derivatives on human pancreatic cancer cell (KP1-NL). Biochemical and Biophysical Research Communications, 2006, 345, 1454-1459.	2.1	50
46	Efficient and widely applicable method of constructing neo-proteoglycan utilizing copper(I) catalyzed 1,3-dipolar cycloaddition. Tetrahedron Letters, 2006, 47, 7455-7458.	1.4	24
47	4-methylumbelliferone, a hyaluronan synthase suppressor, enhances the anticancer activity of gemcitabine in human pancreatic cancer cells. Cancer Chemotherapy and Pharmacology, 2006, 57, 165-170.	2.3	91
48	The glycophorin C N-linked glycan is a critical component of the ligand for thePlasmodium falciparumerythrocyte receptor BAEBL. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2358-2362.	7.1	62
49	A hyaluronan synthase suppressor, 4-methylumbelliferone, inhibits liver metastasis of melanoma cells. FEBS Letters, 2005, 579, 2722-2726.	2.8	113
50	Structural characterization of the bovine tracheal chondroitin sulfate chains and binding of Plasmodium falciparum-infected erythrocytes. Glycobiology, 2004, 14, 635-645.	2.5	25
51	A Novel Mechanism for the Inhibition of Hyaluronan Biosynthesis by 4-Methylumbelliferone. Journal of Biological Chemistry, 2004, 279, 33281-33289.	3.4	248
52	Inhibition of 3T3-L1 adipocyte differentiation by 6-ethoxyzolamide: repressed peroxisome proliferator-activated receptor Î³ mRNA and enhanced CCAAT/enhancer binding protein Î² mRNA levels. Biochemical Pharmacology, 2004, 67, 1667-1675.	4.4	18
53	A glycomic approach to proteoglycan with a two-dimensional polysaccharide chain map. Analytical Biochemistry, 2004, 325, 35-40.	2.4	19
54	Effect of a hyaluronan synthase suppressor, 4-methylumbelliferone, on B16F-10 melanoma cell adhesion and locomotion. Biochemical and Biophysical Research Communications, 2004, 321, 783-787.	2.1	53

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55	Enzymatic Reconstruction of Glycosaminoglycan Oligosaccharides. ChemInform, 2003, 34, no.	0.0	0
56	A novel Sp1-family-related cis-acting element for transcription of type VII collagen gene (COL7A1). Journal of Dermatological Science, 2003, 32, 239-242.	1.9	1
57	Cleavage of the Xylosyl Serine Linkage between a Core Peptide and a Glycosaminoglycan Chain by Cellulases. Journal of Biological Chemistry, 2002, 277, 18397-18403.	3.4	27
58	Domain Structure of Chondroitin Sulfate E Octasaccharides Binding to Type V Collagen. Journal of Biological Chemistry, 2002, 277, 8882-8889.	3.4	58
59	Activation of mouse Pi-class glutathione S-transferase gene by Nrf2(NF-E2-related factor 2) and androgen. Biochemical Journal, 2002, 364, 563-570.	3.7	81
60	Carriers for enzymatic attachment of glycosaminoglycan chains to peptide. Biochemical and Biophysical Research Communications, 2002, 293, 220-224.	2.1	11
61	Reconstruction of glycosaminoglycan chains in decorin. Biochemical and Biophysical Research Communications, 2002, 297, 1167-1170.	2.1	8
62	Inhibition of hyaluronan synthesis inStreptococcus equiFM100 by 4-methylumbelliferone. FEBS Journal, 2002, 269, 5066-5075.	0.2	40
63	Enzymatic reconstruction of glycosaminoglycan oligosaccharides. International Congress Series, 2001, 1223, 239-244.	0.2	3
64	Effect of 4-methylumbelliferone on hyaluronan synthesis of Streptococcus equi FM100. International Congress Series, 2001, 1223, 269-272.	0.2	1
65	Hyaluronan knockdown extracellular matrix of cultured human skin fibroblasts by use of 4-methylumbelliferone. International Congress Series, 2001, 1223, 265-268.	0.2	0
66	The Mechanism of Cell Death in Human Cultured Colon Adenocarcinoma Cell Line COLO 201 Induced by .BETA.-D-N-Acetylglucosaminyl-p-Nitrophenol.. Tohoku Journal of Experimental Medicine, 2001, 194, 23-34.	1.2	0
67	Chimeric Glycosaminoglycan Oligosaccharides Synthesized by Enzymatic Reconstruction and Their Use in Substrate Specificity Determination of Streptococcus Hyaluronidase. Journal of Biochemistry, 2000, 127, 695-702.	1.7	25
68	Induction of Apoptosis and Cell Cycle Arrest in Mouse Colon 26 Cells by Benastatin A. Japanese Journal of Cancer Research, 2000, 91, 1161-1168.	1.7	11
69	Enzymatic Reconstruction of Dermatan Sulfate. Biochemical and Biophysical Research Communications, 2000, 270, 588-593.	2.1	33
70	Identification of GlutathioneS-Transferase p-1 as the Class Pi Form Dominantly Expressed in Mouse Hepatic Adenomas. Japanese Journal of Cancer Research, 1998, 89, 641-648.	1.7	1
71	Epitope mapping of a monoclonal antibody to human glutathione transferase P1â€“1 the binding of which is inhibited by glutathione. Biochemical Journal, 1997, 321, 531-536.	3.7	0
72	Lentinan Enhances Sensitivity of Mouse Colon 26 Tumor tocis-Diamminedichloroplatinum(II) and Decreases Glutathione Transferase Expression. Japanese Journal of Cancer Research, 1996, 87, 1171-1178.	1.7	11

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73	cDNA and deduced amino acid sequence of human PK-120, a plasma kallikrein-sensitive glycoprotein. FEBS Letters, 1995, 357, 207-211.	2.8	71
74	CELL CYCLE-DEPENDENT ACTIVATION OF C-MYC ENHANCER. International Journal of Oncology, 1993, 2, 657-61.	3.3	0