Yamato Kikkawa

List of Publications by Year
in descending order

76	3,153	218381	155451
papers	citations	26 h-index	55 g-index

77	77	77	3538
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Octa-arginine and Octa-lysine Promote Cell Adhesion through Heparan Sulfate Proteoglycans and Integrins. Biological and Pharmaceutical Bulletin, 2022, 45, 207-212.	0.6	5
2	Alpha-dystroglycan binding peptide A2G80-modified stealth liposomes as a muscle-targeting carrier for Duchenne muscular dystrophy. Journal of Controlled Release, 2021, 329, 1037-1045.	4.8	8
3	Development of A2G80 peptide-gene complex for targeted delivery to muscle cells. Journal of Controlled Release, 2021, 329, 988-996.	4.8	4
4	Laminin Î²2 variants associated with isolated nephropathy that impact matrix regulation. JCI Insight, 2021, 6, .	2.3	2
5	Development of Three-Dimensional Cell Culture Scaffolds Using Laminin Peptide-Conjugated Agarose Microgels. Biomacromolecules, 2020, 21, 3765-3771.	2.6	25
6	Conformational dependence of integrinâ€binding peptides derived from homologous loop regions in the laminin Î± chains. Journal of Peptide Science, 2020, 26, e3284.	0.8	1
7	Tissue substructure-specific deposition of the Î²3-containing laminin-332 in the biliary epithelium of human and mouse livers. Biochemical and Biophysical Research Communications, 2020, 524, 465-471.	1.0	4
8	Evaluation of extracellular matrix mimetic laminin bioactive peptide and elastinâ€like polypeptide. FASEB Journal, 2020, 34, 6729-6740.	0.2	5
9	Development of Antibody-Modified Nanobubbles Using Fc-Region-Binding Polypeptides for Ultrasound Imaging. Pharmaceutics, 2019, 11, 283.	2.0	21
10	Characterization of dystroglycan binding in adhesion of human induced pluripotent stem cells to laminin-511 E8 fragment. Scientific Reports, 2019, 9, 13037.	1.6	9
11	Disrupted tubular parathyroid hormone/parathyroid hormone receptor signaling and damaged tubular cell viability possibly trigger postsurgical kidney injury in patients with advanced hyperparathyroidism. CKJ: Clinical Kidney Journal, 2019, 12, 686-692.	1.4	4
12	Semiquantitative analysis of virtual histology derived from intravascular ultrasound images at vascular access stenosis. Journal of Vascular Access, 2019, 20, 55-59.	0.5	1
13	Identification of active sequences in human laminin Î±5 G domain. Journal of Peptide Science, 2019, 25, e3218.	0.8	2
14	Identification of specific integrin cross-talk for dermal fibroblast cell adhesion using a mixed peptide-chitosan matrix. Journal of Biomaterials Applications, 2019, 33, 893-902.	1.2	4
15	Laminin-521 Protein Therapy for Glomerular Basement Membrane and Podocyte Abnormalities in a Model of Pierson Syndrome. Journal of the American Society of Nephrology: JASN, 2018, 29, 1426-1436.	3.0	30
16	Internalization of CD239 highly expressed in breast cancer cells: a potential antigen for antibody-drug conjugates. Scientific Reports, 2018, 8, 6612.	1.6	10
17	Development of a Screening System for Targeting Carriers Using Peptide-Modified Liposomes and Tissue Sections. Biological and Pharmaceutical Bulletin, 2018, 41, 1107-1111.	0.6	4
18	Differential expression of Lutheran/BCAM regulates biliary tissue remodeling in ductular reaction during liver regeneration. ELife, 2018, 7, .	2.8	12

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19	Identification of laminin Î±5 short arm peptides active for endothelial cell attachment and tube formation. Journal of Peptide Science, 2017, 23, 666-673.	0.8	7
20	Biological activity of peptideâ€conjugated polyion complex matrices consisting of alginate and chitosan. Biopolymers, 2017, 108, e22983.	1.2	4
21	An Anti-Human Lutheran Glycoprotein Phage Antibody Inhibits Cell Migration on Laminin-511: Epitope Mapping of the Antibody. PLoS ONE, 2017, 12, e0167860.	1.1	5
22	An Efficacy of Intensive Vitamin D Delivery to Neointimal Hyperplasia in Recurrent Vascular Access Stenosis. Journal of Vascular Access, 2016, 17, 72-77.	0.5	13
23	Structural Study of Cell Attachment Peptide Derived from Laminin by Molecular Dynamics Simulation. PLoS ONE, 2016, 11, e0149474.	1.1	5
24	Mixed Fibronectin-Derived Peptides Conjugated to a Chitosan Matrix Effectively Promotes Biological Activities through Integrins, Î±4Î²1, Î±5Î²1, Î±vÎ²3, and Syndecan. BioResearch Open Access, 2016, 5, 356-366.	2.6	9
25	Down-regulation of cell adhesion via rho-associated protein kinase (ROCK) pathway promotes tumor cell migration on laminin-511. Experimental Cell Research, 2016, 344, 76-85.	1.2	5
26	Effect of spacer length and type on the biological activity of peptideâ€“polysaccharide matrices. Biopolymers, 2016, 106, 512-520.	1.2	9
27	Novel Hybrid Compound of a Plinabulin Prodrug with an IgG Binding Peptide for Generating a Tumor Selective Noncovalent-Type Antibodyâ€“Drug Conjugate. Bioconjugate Chemistry, 2016, 27, 1606-1613.	1.8	22
28	Suppression of cell adhesion through specific integrin crosstalk on mixed peptide-polysaccharide matrices. Biomaterials, 2015, 37, 73-81.	5.7	9
29	Soluble Lutheran/basal cell adhesion molecule is detectable in plasma of hepatocellular carcinoma patients and modulates cellular interaction with laminin-511 in vitro. Experimental Cell Research, 2014, 328, 197-206.	1.2	4
30	Screening of integrin-binding peptides in a laminin peptide library derived from the mouse laminin Î² chain short arm regions. Archives of Biochemistry and Biophysics, 2014, 550-551, 33-41.	1.4	4
31	A three-dimensional microfluidic tumor cell migration assay to screen the effect of anti-migratory drugs and interstitial flow. Microfluidics and Nanofluidics, 2013, 14, 969-981.	1.0	33
32	Laminin-111-derived peptides and cancer. Cell Adhesion and Migration, 2013, 7, 150-159.	1.1	87
33	Laminin-111-derived peptide-hyaluronate hydrogels as a synthetic basement membrane. Biomaterials, 2013, 34, 6539-6547.	5.7	24
34	The Lutheran/Basal Cell Adhesion Molecule Promotes Tumor Cell Migration by Modulating Integrin-mediated Cell Attachment to Laminin-511 Protein. Journal of Biological Chemistry, 2013, 288, 30990-31001.	1.6	36
35	Laminin Î²2 Gene Missense Mutation Produces Endoplasmic Reticulum Stress in Podocytes. Journal of the American Society of Nephrology: JASN, 2013, 24, 1223-1233.	3.0	77
36	3P017 Identification of structure determinant amino acid residues in the A2G80 peptide derived from laminin Î±2 by molecular dynamics simulation(01A. Protein: Structure,Poster). Seibutsu Butsuri, 2013, 53, S214.	0.0	0

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37	Identification of Cell Adhesive Sequences in the N-terminal Region of the Laminin Î±2 Chain. Journal of Biological Chemistry, 2012, 287, 25111-25122.	1.6	16
38	Î±1- and Î±5-containing Laminins Regulate the Development of Bile Ducts via Î²1 Integrin Signals. Journal of Biological Chemistry, 2012, 287, 28586-28597.	1.6	59
39	Absence of Post-phosphoryl Modification in Dystroglycanopathy Mouse Models and Wild-type Tissues Expressing Non-laminin Binding Form of Î±-Dystroglycan. Journal of Biological Chemistry, 2012, 287, 9560-9567.	1.6	28
40	Screening of integrin-binding peptides from the laminin Î±4 and Î±5 chain G domain peptide library. Archives of Biochemistry and Biophysics, 2012, 521, 32-42.	1.4	23
41	Laminin active peptide/agarose matrices as multifunctional biomaterials for tissue engineering. Biomaterials, 2012, 33, 4118-4125.	5.7	51
42	Reconstitution of laminin-111 biological activity using multiple peptide coupled to chitosan scaffolds. Biomaterials, 2012, 33, 4241-4250.	5.7	21
43	An Antibody to the Lutheran Glycoprotein (Lu) Recognizing the LU4 Blood Type Variant Inhibits Cell Adhesion to Laminin Î±5. PLoS ONE, 2011, 6, e23329.	1.1	7
44	Maintenance of hepatic differentiation by hepatocyte attachment peptides derived from laminin chains. Journal of Biomedical Materials Research - Part A, 2011, 99A, 203-210.	2.1	10
45	Cell behavior on protein matrices containing laminin Î±1 peptide AG73. Biomaterials, 2011, 32, 4327-4335.	5.7	10
46	A Missense LAMB2 Mutation Causes Congenital Nephrotic Syndrome by Impairing Laminin Secretion. Journal of the American Society of Nephrology: JASN, 2011, 22, 849-858.	3.0	50
47	The Influence of Tribenoside on Expression and Deposition of Epidermal Laminins in HaCaT Cells. Biological and Pharmaceutical Bulletin, 2010, 33, 307-310.	0.6	8
48	Syndecanâ€•and integrinâ€•binding peptides synergistically accelerate cell adhesion. FEBS Letters, 2010, 584, 3381-3385.	1.3	25
49	Cell surface receptor-specific scaffold requirements for adhesion to laminin-derived peptideâ€“chitosan membranes. Biomaterials, 2010, 31, 3237-3243.	5.7	37
50	Identification of biologically active sequences in the laminin Î±2 chain G domain. Archives of Biochemistry and Biophysics, 2010, 497, 43-54.	1.4	21
51	B133 (DSITKYFQMSLE), a laminin Î²1-derived peptide, contains distinct core sequences for both integrin Î±2Î²1-mediated cell adhesion and amyloid-like fibril formation. Archives of Biochemistry and Biophysics, 2010, 500, 189-195.	1.4	2
52	Cell adhesive peptide screening of the mouse laminin Î±1 chain G domain. Archives of Biochemistry and Biophysics, 2010, 503, 213-222.	1.4	29
53	Identification and Characterization of Lutheran Blood Group Glycoprotein as a New Substrate of Membrane-type 1 Matrix Metalloproteinase 1 (MT1-MMP). Journal of Biological Chemistry, 2009, 284, 27360-27369.	1.6	18
54	Laminin isoforms in human embryonic stem cells: synthesis, receptor usage and growth support. Journal of Cellular and Molecular Medicine, 2009, 13, 2622-2633.	1.6	43

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55	The influence of synthetic peptides derived from the laminin Î±1 chain on hepatocyte adhesion and gene expression. Biomaterials, 2009, 30, 6888-6895.	5.7	21
56	Design and activity of multifunctional fibrils using receptor-specific small peptides. Biomaterials, 2009, 30, 6731-6738.	5.7	15
57	Mixed peptideâ€“chitosan membranes to mimic the biological activities of a multifunctional laminin Î±1 chain LG4 module. Biomaterials, 2009, 30, 1596-1603.	5.7	32
58	Sequence specificity of the PHSRN peptide from fibronectin on corneal epithelial migration. Biochemical and Biophysical Research Communications, 2009, 379, 346-350.	1.0	15
59	In vitro transformation of adult rat hepatic progenitor cells into pancreatic endocrine hormone-producing cells. Journal of Hepato-Biliary-Pancreatic Surgery, 2008, 15, 310-317.	2.0	8
60	Laminin Î±5 mediates ectopic adhesion of hepatocellular carcinoma through integrins and/or Lutheran/basal cell adhesion molecule. Experimental Cell Research, 2008, 314, 2579-2590.	1.2	45
61	The LG1-3 Tandem of Laminin Î±5 Harbors the Binding Sites of Lutheran/Basal Cell Adhesion Molecule and Î±3Î²1/Î±6Î²1 Integrins*. Journal of Biological Chemistry, 2007, 282, 14853-14860.	1.6	59
62	Lutheran Blood Group Antigen as a Receptor for Î±5 Laminins in Gingival Epithelia. Journal of Periodontology, 2007, 78, 1810-1818.	1.7	3
63	Expression of CD44 in rat hepatic progenitor cells. Journal of Hepatology, 2006, 45, 90-98.	1.8	65
64	Molecular dissection of laminin Î±5 in vivo reveals separable domain-specific roles in embryonic development and kidney function. Developmental Biology, 2006, 296, 265-277.	0.9	40
65	Hyperbaric oxygen stimulates cell proliferation and normalizes multidrug resistance protein-2 protein localization in primary rat hepatocytes. Wound Repair and Regeneration, 2005, 13, 551-557.	1.5	12
66	Review: Lutheran/B-CAM: A Laminin Receptor on Red Blood Cells and in Various Tissues. Connective Tissue Research, 2005, 46, 193-199.	1.1	50
67	Transient expression of laminin ?1 chain in regenerating murine liver: Restricted localization of laminin chains and nidogen-1. Experimental Cell Research, 2005, 305, 99-109.	1.2	33
68	Erratum to â€œTransient expression of laminin Î±1 chain in regenerating murine liver: Restricted localization of laminin chains and nidogen-1â€•[Exp. Cell Res. 305 (2005) 99â€“109]. Experimental Cell Research, 2005, 308, 491-492.	1.2	0
69	The immortalized human corneal epithelial cells adhere to laminin-10 by using Lutheran glycoproteins and integrin Î±3Î²1. Experimental Eye Research, 2005, 81, 415-421.	1.2	7
70	Laminin isoforms differentially regulate adhesion, spreading, proliferation, and ERK activation of Î²1 integrin-null cells. Experimental Cell Research, 2004, 300, 94-108.	1.2	39
71	Mesangial cells organize the glomerular capillaries by adhering to the G domain of laminin Î±5 in the glomerular basement membrane. Journal of Cell Biology, 2003, 161, 187-196.	2.3	113
72	Glomerular-specific alterations of VEGF-A expression lead to distinct congenital and acquired renal diseases. Journal of Clinical Investigation, 2003, 111, 707-716.	3.9	1,100

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73	Identification of the Binding Site for the Lutheran Blood Group Glycoprotein on Laminin Î±5 through Expression of Chimeric Laminin Chains in Vivo. Journal of Biological Chemistry, 2002, 277, 44864-44869.	1.6	81
74	Purification and Characterization of Human Laminin-8. Journal of Biological Chemistry, 2001, 276, 17550-17558.	1.6	155
75	Isolation and Characterization of Laminin-10/11 Secreted by Human Lung Carcinoma Cells. Journal of Biological Chemistry, 1998, 273, 15854-15859.	1.6	187
76	Marked Stimulation of Cell Adhesion and Motility by Ladsin, a Laminin-Like Scatter Factor1. Journal of Biochemistry, 1994, 116, 862-869.	0.9	111