

# Toshitaka Oohashi

## List of Publications by Year in descending order

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77  
papers

4,037  
citations

136950

32  
h-index

123424

61  
g-index

78  
all docs

78  
docs citations

78  
times ranked

4463  
citing authors

#	ARTICLE	IF	CITATIONS
1	Host response to EBV infection in X-linked lymphoproliferative disease results from mutations in an SH2-domain encoding gene. <i>Nature Genetics</i> , 1998, 20, 129-135.	21.4	720
2	The roles of perineuronal nets and the perinodal extracellular matrix in neuronal function. <i>Nature Reviews Neuroscience</i> , 2019, 20, 451-465.	10.2	320
3	Establishment by the rat lymph node method of epitope-defined monoclonal antibodies recognizing the six different $\alpha$ chains of human type IV collagen. <i>Histochemistry and Cell Biology</i> , 1995, 104, 267-275.	1.7	207
4	Neurocan Is Dispensable for Brain Development. <i>Molecular and Cellular Biology</i> , 2001, 21, 5970-5978.	2.3	170
5	Three Mechanisms Assemble Central Nervous System Nodes of Ranvier. <i>Neuron</i> , 2013, 78, 469-482.	8.1	151
6	Ten_m3 Regulates Eye-Specific Patterning in the Mammalian Visual Pathway and Is Required for Binocular Vision. <i>PLoS Biology</i> , 2007, 5, e241.	5.6	135
7	Bral1, a Brain-Specific Link Protein, Colocalizing with the Versican V2 Isoform at the Nodes of Ranvier in Developing and Adult Mouse Central Nervous Systems. <i>Molecular and Cellular Neurosciences</i> , 2002, 19, 43-57.	2.2	112
8	Mouse Ten-m/Odz Is a New Family of Dimeric Type II Transmembrane Proteins Expressed in Many Tissues. <i>Journal of Cell Biology</i> , 1999, 145, 563-577.	5.2	108
9	Molecular cloning of Bral2, a novel brain-specific link protein, and immunohistochemical colocalization with brevican in perineuronal nets. <i>Molecular and Cellular Neurosciences</i> , 2003, 24, 148-159.	2.2	104
10	Bral1: Its Role in Diffusion Barrier Formation and Conduction Velocity in the CNS. <i>Journal of Neuroscience</i> , 2010, 30, 3113-3123.	3.6	102
11	The murine Ten-m/Odz genes show distinct but overlapping expression patterns during development and in adult brain. <i>Gene Expression Patterns</i> , 2003, 3, 397-405.	0.8	101
12	The hyaluronan and proteoglycan link proteins: Organizers of the brain extracellular matrix and key molecules for neuronal function and plasticity. <i>Experimental Neurology</i> , 2015, 274, 134-144.	4.1	96
13	ADAMTS-9 is synergistically induced by interleukin-1 $\beta$ and tumor necrosis factor $\alpha$ in OUMS-27 chondrosarcoma cells and in human chondrocytes. <i>Arthritis and Rheumatism</i> , 2005, 52, 1451-1460.	6.7	94
14	Brevican distinctively assembles extracellular components at the large diameter nodes of Ranvier in the CNS. <i>Journal of Neurochemistry</i> , 2009, 108, 1266-1276.	3.9	87
15	Vascular Endothelial Growth Factor Principally Acts as the Main Angiogenic Factor in the Early Stage of Human Osteoblastogenesis. <i>Journal of Biochemistry</i> , 2003, 133, 633-639.	1.7	83
16	All Four Members of the Ten-m/Odz Family of Transmembrane Proteins Form Dimers. <i>Journal of Biological Chemistry</i> , 2002, 277, 26128-26135.	3.4	81
17	The Brain Link Protein-1 (BRAL1): cDNA Cloning, Genomic Structure, and Characterization as a Novel Link Protein Expressed in Adult Brain. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 982-989.	2.1	64
18	Ten-m2 Is Required for the Generation of Binocular Visual Circuits. <i>Journal of Neuroscience</i> , 2013, 33, 12490-12509.	3.6	63

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19	Stromal Versican Regulates Tumor Growth by Promoting Angiogenesis. <i>Scientific Reports</i> , 2017, 7, 17225.	3.3	63
20	Differential expression of type IV collagen isoforms, $\alpha 5(IV)$ and $\alpha 6(IV)$ chains, in basement membranes surrounding smooth muscle cells. <i>Histochemistry and Cell Biology</i> , 1998, 110, 359-366.	1.7	54
21	Topoisomerase I and II Consensus Sequences in a 17-kb Deletion Junction of the COL4A5 and COL4A6 Genes and Immunohistochemical Analysis of Esophageal Leiomyomatosis Associated with Alport Syndrome. <i>American Journal of Human Genetics</i> , 1998, 62, 253-261.	6.2	51
22	Bral2 is indispensable for the proper localization of brevican and the structural integrity of the perineuronal net in the brainstem and cerebellum. <i>Journal of Comparative Neurology</i> , 2012, 520, 1721-1736.	1.6	51
23	Two genes, <i>COL4A3</i> and <i>COL4A4</i> coding for the human $\alpha 3(IV)$ and $\alpha 4(IV)$ collagen chains are arranged head-to-head on chromosome 2q36. <i>FEBS Letters</i> , 1998, 424, 11-16.	2.8	45
24	Suppression of chondrosarcoma cells by 15-deoxy- $\Delta^{12,14}$ -prostaglandin J2 is associated with altered expression of Bax/Bcl-xL and p21. <i>Biochemical and Biophysical Research Communications</i> , 2005, 328, 375-382.	2.1	45
25	ADAMTS9 activation by interleukin $1\beta$ via NFATc1 in OUMS-27 chondrosarcoma cells and in human chondrocytes. <i>Molecular and Cellular Biochemistry</i> , 2009, 323, 69-79.	3.1	45
26	There Is Temporal and Spatial Expression of $\alpha 1(IV)$ , $\alpha 2(IV)$ , $\alpha 5(IV)$ , $\alpha 6(IV)$ Collagen Chains and $\beta 1$ Integrins During the Development of the Basal Lamina in an <i>In Vitro</i> Skin Model. <i>Journal of Investigative Dermatology</i> , 1997, 109, 527-533.	0.7	44
27	Differential expression of $\alpha 1(IV)$ , $\alpha 2(IV)$ , $\alpha 5(IV)$ and $\alpha 6(IV)$ collagen chains in the basement membrane of basal cell carcinoma. <i>The Histochemical Journal</i> , 1997, 29, 563-570.	0.6	44
28	Mechanical stretch enhances COL2A1 expression on chromatin by inducing SOX9 nuclear translocation in inner meniscus cells. <i>Journal of Orthopaedic Research</i> , 2012, 30, 468-474.	2.3	42
29	Dynamic Induction of ADAMTS1 Gene in the Early Phase of Acute Myocardial Infarction. <i>Journal of Biochemistry</i> , 2004, 136, 439-446.	1.7	41
30	Characterization of dermacan, a novel zebrafish lectican gene, expressed in dermal bones. <i>Mechanisms of Development</i> , 2004, 121, 301-312.	1.7	38
31	RXR Partial Agonist CBt-PMN Exerts Therapeutic Effects on Type 2 Diabetes without the Side Effects of RXR Full Agonists. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 427-432.	2.8	38
32	Cartilage link protein interacts with neurocan, which shows hyaluronan binding characteristics different from CD44 and TSG-6. <i>Matrix Biology</i> , 2004, 22, 629-639.	3.6	37
33	Neurocan contributes to the molecular heterogeneity of the perinodal ECM. <i>Archives of Histology and Cytology</i> , 2010, 73, 95-102.	0.2	32
34	Lp3/Hapln3, a novel link protein that co-localizes with versican and is coordinately up-regulated by platelet-derived growth factor in arterial smooth muscle cells. <i>Matrix Biology</i> , 2004, 23, 287-298.	3.6	29
35	CCN4/WISP-1 positively regulates chondrogenesis by controlling TGF- $\beta 3$ function. <i>Bone</i> , 2016, 83, 162-170.	2.9	28
36	Acidic Pre-Conditioning Enhances the Stem Cell Phenotype of Human Bone Marrow Stem/Progenitor Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1097.	4.1	28

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37	cDNA isolation and partial gene structure of the human $\alpha 4(\text{IV})$ collagen chain. FEBS Letters, 1993, 330, 122-128.	2.8	27
38	Inhibition of the glutamine transporter SNAT1 confers neuroprotection in mice by modulating the mTOR-autophagy system. Communications Biology, 2019, 2, 346.	4.4	26
39	Molecular Cloning of a Novel Transmembrane Protein MOLT Expressed by Mature Oligodendrocytes. Journal of Biochemistry, 2003, 134, 231-238.	1.7	23
40	Transvascular accumulation of Sialyl Lewis X conjugated liposome in inflamed joints of collagen antibody-induced arthritic (CAIA) mice. Archives of Histology and Cytology, 2008, 71, 195-203.	0.2	22
41	Postnatal Runx2 deletion leads to low bone mass and adipocyte accumulation in mice bone tissues. Biochemical and Biophysical Research Communications, 2019, 516, 1229-1233.	2.1	22
42	Modifications of perineuronal nets and remodelling of excitatory and inhibitory afferents during vestibular compensation in the adult mouse. Brain Structure and Function, 2016, 221, 3193-3209.	2.3	20
43	Hapln4/Bral2 is a selective regulator for formation and transmission of GABAergic synapses between Purkinje and deep cerebellar nuclei neurons. Journal of Neurochemistry, 2018, 147, 748-763.	3.9	20
44	The Extracellular Matrix in the Mouse Brain. Its Reactions to Endo-Alpha-N-Acetylgalactosaminidase and Certain Other Enzymes.. Archives of Histology and Cytology, 1999, 62, 273-281.	0.2	19
45	Isolation and Structure of the COL4A6 Gene Encoding the Human $\alpha 6(\text{IV})$ Collagen Chain and Comparison with Other Type IV Collagen Genes. Journal of Biological Chemistry, 1995, 270, 26863-26867.	3.4	18
46	RXR Partial Agonist Produced by Side Chain Repositioning of Alkoxy RXR Full Agonist Retains Antitype 2 Diabetes Activity without the Adverse Effects. Journal of Medicinal Chemistry, 2015, 58, 912-926.	6.4	18
47	Type IV collagen $\alpha 6$ chain is a regulator of keratin 10 in keratinization of oral mucosal epithelium. Scientific Reports, 2018, 8, 2612.	3.3	18
48	COL4A6 is dispensable for autosomal recessive Alport syndrome. Scientific Reports, 2016, 6, 29450.	3.3	17
49	Human collagen XV is a prominent histopathological component of sinusoidal capillarization in hepatocellular carcinogenesis. International Journal of Clinical Oncology, 2016, 21, 302-309.	2.2	17
50	BMP-2/ $\beta 2$ -TCP Local Delivery for Bone Regeneration in MRONJ-Like Mouse Model. International Journal of Molecular Sciences, 2020, 21, 7028.	4.1	16
51	Molecular Cloning and Developmental Expression of a Hyaluronan and Proteoglycan Link Protein Gene, <i>ctrl1/hapln1</i> , in Zebrafish. Zoological Science, 2008, 25, 912-918.	0.7	15
52	Absence of $\alpha 6(\text{IV})$ collagen in kidney and skin of X-linked Alport syndrome patients. Pediatric Nephrology, 1996, 10, 742-744.	1.7	14
53	A deficiency of the link protein Bral2 affects the size of the extracellular space in the thalamus of aged mice. Journal of Neuroscience Research, 2018, 96, 313-327.	2.9	13
54	Physiological role of urothelial cancer-associated one long noncoding RNA in human skeletogenic cell differentiation. Journal of Cellular Physiology, 2018, 233, 4825-4840.	4.1	13

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55	Mechanical strain attenuates cytokine-induced ADAMTS9 expression via transient receptor potential vanilloid type 1. <i>Experimental Cell Research</i> , 2019, 383, 111556.	2.6	13
56	High molecular weight hyaluronan protects cartilage from degradation by inhibiting aggrecanase expression. <i>Journal of Orthopaedic Research</i> , 2018, 36, 3247-3255.	2.3	12
57	The Effect of Hapln4 Link Protein Deficiency on Extracellular Space Diffusion Parameters and Perineuronal Nets in the Auditory System During Aging. <i>Neurochemical Research</i> , 2020, 45, 68-82.	3.3	12
58	Expression of Type XVII Collagen .ALPHA.1 Chain mRNA in the Mouse Heart.. <i>International Heart Journal</i> , 1998, 39, 211-220.	0.6	12
59	Distinct Osteogenic Potentials of BMP-2 and FGF-2 in Extramedullary and Medullary Microenvironments. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7967.	4.1	11
60	Bone Marrow Cells Inhibit BMP-2-Induced Osteoblast Activity in the Marrow Environment. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 327-332.	2.8	10
61	Clonal overgrowth of esophageal smooth muscle cells in diffuse leiomyomatosis-Alport syndrome caused by partial deletion in COL4A5 and COL4A6 genes. <i>Matrix Biology</i> , 2011, 30, 3-8.	3.6	9
62	DNA Methylation-Based Regulation of Human Bone Marrow-Derived Mesenchymal Stem/Progenitor Cell Chondrogenic Differentiation. <i>Cells Tissues Organs</i> , 2019, 207, 115-126.	2.3	8
63	Development of an active targeting liposome encapsulated with high-density colloidal gold for transmission electron microscopy. <i>Journal of Electron Microscopy</i> , 2011, 60, 95-99.	0.9	7
64	Unripe peach ( <i>Prunus persica</i> ) extract ameliorates damage from UV irradiation and improved collagen XVIII expression in 3D skin model. <i>Journal of Cosmetic Dermatology</i> , 2019, 18, 1507-1515.	1.6	7
65	Assessment of Possible Contributions of Hyaluronan and Proteoglycan Binding Link Protein 4 to Differential Perineuronal Net Formation at the Calyx of Held. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 730550.	3.7	7
66	Peri-Implantation Lethality in Mice Lacking the Sm Motif-Containing Protein Lsm4. <i>Molecular and Cellular Biology</i> , 2000, 20, 1055-1062.	2.3	5
67	Design, synthesis, and preliminary ex vivo and in vivo evaluation of cationic magnetic resonance contrast agent for rabbit articular cartilage imaging. <i>MedChemComm</i> , 2013, 4, 1508.	3.4	5
68	Type XVIII Collagen Modulates Keratohyalin Granule Formation and Keratinization in Oral Mucosa. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4739.	4.1	5
69	Under the ECM Dome: The Physiological Role of the Perinodal Extracellular Matrix as an Ion Diffusion Barrier. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1190, 107-122.	1.6	5
70	Collagen XVIII Deposition in the Basement Membrane Zone beneath the Newly Forming Epidermis during Wound Healing in Mice. <i>Acta Medica Okayama</i> , 2019, 73, 135-146.	0.2	5
71	Light and electron microscopic detection of inflammation-targeting liposomes encapsulating high-density colloidal gold in arthritic mice. <i>Inflammation Research</i> , 2014, 63, 139-147.	4.0	4
72	Host-produced ADAMTS4 Inhibits Early-Stage Tumor Growth. <i>Acta Medica Okayama</i> , 2018, 72, 257-266.	0.2	3

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73	Monoclonal Suncus Antibodies: Generation of Fusion Partners to Produce &lt;i>Suncus</i>-&lt;i>Suncus</i> Hybridomas. Acta Histochemica Et Cytochemica, 2017, 50, 71-84.	1.6	2
74	Imatinib has minimal effects on inflammatory and osteopenic phenotypes in a murine cherubism model. Oral Diseases, 2023, 29, 1089-1101.	3.0	2
75	Lack of collagen $\alpha 1(\text{IV})$ chain in mice does not cause severe-to-profound hearing loss or cochlear malformation, a distinct phenotype from nonsyndromic hearing loss with COL4A6 missense mutation. PLoS ONE, 2021, 16, e0249909.	2.5	1
76	Suppression of Bone Necrosis around Tooth Extraction Socket in a MRONJ-like Mouse Model by E-rhBMP-2 Containing Artificial Bone Graft Administration. International Journal of Molecular Sciences, 2021, 22, 12823.	4.1	1
77	Perinodal ECM - its role in diffusion barrier formation and conduction velocity in the CNS. Okayama Igakkai Zasshi, 2012, 124, 1-4.	0.0	0