Jeffrey H Miner

List of Publications by Year
in descending order

223 papers	19,161 citations	13099 68 h-index	13379 130 g-index
231 all docs	231 docs citations	231 times ranked	16422 citing authors

#	Article	IF	Citations
1	Glomerular-specific alterations of VEGF-A expression lead to distinct congenital and acquired renal diseases. Journal of Clinical Investigation, 2003, 111, 707-716.	8.2	1,100
2	A simplified laminin nomenclature. Matrix Biology, 2005, 24, 326-332.	3.6	760
3	Congenital Nephrotic Syndrome in Mice Lacking CD2-Associated Protein. Science, 1999, 286, 312-315.	12.6	748
4	LAMININ FUNCTIONS IN TISSUE MORPHOGENESIS. Annual Review of Cell and Developmental Biology, 2004, 20, 255-284.	9.4	646
5	The Laminin Î± Chains: Expression, Developmental Transitions, and Chromosomal Locations of Î±1-5, Identification of Heterotrimeric Laminins 8â€“11, and Cloning of a Novel Î±3 Isoform. Journal of Cell Biology, 1997, 137, 685-701.	5.2	628
6	Role of COL4A1 in Small-Vessel Disease and Hemorrhagic Stroke. New England Journal of Medicine, 2006, 354, 1489-1496.	27.0	486
7	CD2-Associated Protein Haploinsufficiency Is Linked to Glomerular Disease Susceptibility. Science, 2003, 300, 1298-1300.	12.6	435
8	Roles for Laminin in Embryogenesis: Exencephaly, Syndactyly, and Placentopathy in Mice Lacking the Laminin Î±5 Chain. Journal of Cell Biology, 1998, 143, 1713-1723.	5.2	430
9	Distribution and Function of Laminins in the Neuromuscular System of Developing, Adult, and Mutant Mice. Journal of Cell Biology, 1997, 139, 1507-1521.	5.2	404
10	The renal glomerulus of mice lacking sâ€“laminin/laminin Î²2: nephrosis despite molecular compensation by laminin Î²1. Nature Genetics, 1995, 10, 400-406.	21.4	384
11	Podocyte-Specific Deletion of Dicer Alters Cytoskeletal Dynamics and Causes Glomerular Disease. Journal of the American Society of Nephrology: JASN, 2008, 19, 2150-2158.	6.1	300
12	Renal basement membrane components. Kidney International, 1999, 56, 2016-2024.	5.2	291
13	Transgenic expression of human APOL1 risk variants in podocytes induces kidney disease in mice. Nature Medicine, 2017, 23, 429-438.	30.7	282
14	Compositional and structural requirements for laminin and basement membranes during mouse embryo implantation and gastrulation. Development (Cambridge), 2004, 131, 2247-2256.	2.5	272
15	Blocking protein farnesyltransferase improves nuclear shape in fibroblasts from humans with progeroid syndromes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12873-12878.	7.1	254
16	CD2AP Localizes to the Slit Diaphragm and Binds to Nephrin via a Novel C-Terminal Domain. American Journal of Pathology, 2001, 159, 2303-2308.	3.8	251
17	Defective Glomerulogenesis in the Absence of Laminin Î±5 Demonstrates a Developmental Role for the Kidney Glomerular Basement Membrane. Developmental Biology, 2000, 217, 278-289.	2.0	244
18	Podocytes use FcRn to clear IgG from the glomerular basement membrane. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 967-972.	7.1	233

#	Article	IF	Citations
19	The glomerular basement membrane. Experimental Cell Research, 2012, 318, 973-978.	2.6	231
20	Molecular Cloning of a Novel Laminin Chain, Î±5, and Widespread Expression in Adult Mouse Tissues. Journal of Biological Chemistry, 1995, 270, 28523-28526.	3.4	229
21	Vascular Endothelial Growth Factor A Signaling in the Podocyte-Endothelial Compartment Is Required for Mesangial Cell Migration and Survival. Journal of the American Society of Nephrology: JASN, 2006, 17, 724-735.	6.1	217
22	Proteinuria precedes podocyte abnormalities inLamb2-/- mice, implicating the glomerular basement membrane as an albumin barrier. Journal of Clinical Investigation, 2006, 116, 2272-2279.	8.2	201
23	Regulation of glomerular basement membrane collagen expression by LMX1B contributes to renal disease in nail patella syndrome. Nature Genetics, 2001, 27, 205-208.	21.4	189
24	Systematic Analysis of Splice-Site-Creating Mutations in Cancer. Cell Reports, 2018, 23, 270-281.e3.	6.4	177
25	Wnt/Î²-Catenin Pathway in Podocytes Integrates Cell Adhesion, Differentiation, and Survival. Journal of Biological Chemistry, 2011, 286, 26003-26015.	3.4	166
26	Î²1 integrin expression by podocytes is required to maintain glomerular structural integrity. Developmental Biology, 2008, 316, 288-301.	2.0	161
27	Notch-Deficient Skin Induces a Lethal Systemic B-Lymphoproliferative Disorder by Secreting TSLP, a Sentinel for Epidermal Integrity. PLoS Biology, 2008, 6, e123.	5.6	161
28	Laminins and their roles in mammals. Microscopy Research and Technique, 2008, 71, 349-356.	2.2	155
29	Disruption of Glomerular Basement Membrane Charge through Podocyte-Specific Mutation of Agrin Does Not Alter Glomerular Permselectivity. American Journal of Pathology, 2007, 171, 139-152.	3.8	153
30	Coordinate control of axon defasciculation and myelination by laminin-2 and -8. Journal of Cell Biology, 2005, 168, 655-666.	5.2	147
31	The glomerular basement membrane as a barrier to albumin. Nature Reviews Nephrology, 2013, 9, 470-477.	9.6	146
32	Nanoscale protein architecture of the kidney glomerular basement membrane. ELife, 2013, 2, e01149.	6.0	140
33	Podocyte-Specific Deletion of Integrin-Linked Kinase Results in Severe Glomerular Basement Membrane Alterations and Progressive Glomerulosclerosis. Journal of the American Society of Nephrology: JASN, 2006, 17, 1334-1344.	6.1	137
34	Bigenic mouse models of focal segmental glomerulosclerosis involving pairwise interaction of CD2AP, Fyn, and synaptopodin. Journal of Clinical Investigation, 2006, 116, 1337-1345.	8.2	137
35	Laminin-10 is crucial for hair morphogenesis. EMBO Journal, 2003, 22, 2400-2410.	7.8	135
36	Activation of NFAT Signaling in Podocytes Causes Glomerulosclerosis. Journal of the American Society of Nephrology: JASN, 2010, 21, 1657-1666.	6.1	132

#	Article	IF	Citations
37	Homozygous and Compound Heterozygous Mutations in ZMPSTE24 Cause the Laminopathy Restrictive Dermopathy. Journal of Investigative Dermatology, 2005, 125, 913-919.	0.7	128
38	Laminin Î±5 is necessary for submandibular gland epithelial morphogenesis and influences FGFR expression through Î²1 integrin signaling. Developmental Biology, 2007, 308, 15-29.	2.0	125
39	Laminins promote postsynaptic maturation by an autocrine mechanism at the neuromuscular junction. Journal of Cell Biology, 2008, 182, 1201-1215.	5.2	124
40	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.	5.2	113
41	Î²1-Integrins Are Critical for Cerebellar Granule Cell Precursor Proliferation. Journal of Neuroscience, 2004, 24, 3402-3412.	3.6	112
42	A Hypomorphic Mutation in the Mouse Laminin Î±5 Gene Causes Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2006, 17, 1913-1922.	6.1	112
43	Glomerular basement membrane composition and the filtration barrier. Pediatric Nephrology, 2011, 26, 1413-1417.	1.7	111
44	Update on the glomerular filtration barrier. Current Opinion in Nephrology and Hypertension, 2009, 18, 226-232.	2.0	109
45	Human Corneal Epithelial Basement Membrane and Integrin Alterations in Diabetes and Diabetic Retinopathy¹. Journal of Histochemistry and Cytochemistry, 1998, 46, 1033-1041.	2.5	107
46	Rac1 Activation in Podocytes Induces Rapid Foot Process Effacement and Proteinuria. Molecular and Cellular Biology, 2013, 33, 4755-4764.	2.3	107
47	A Site on Laminin Î±5, AQARSAASKVKVSMKF, Induces Inflammatory Cell Production of Matrix Metalloproteinase-9 and Chemotaxis. Journal of Immunology, 2003, 171, 398-406.	0.8	106
48	Increased progerin expression associated with unusualLMNAmutations causes severe progeroid syndromes. Human Mutation, 2007, 28, 882-889.	2.5	103
49	Quantitative Trait Loci Influence Renal Disease Progression in a Mouse Model of Alport Syndrome. American Journal of Pathology, 2002, 160, 721-730.	3.8	100
50	Laminin Î±5 Is Required for Dental Epithelium Growth and Polarity and the Development of Tooth Bud and Shape. Journal of Biological Chemistry, 2006, 281, 5008-5016.	3.4	100
51	Fatty Acid Transport Protein 4 Is the Principal Very Long Chain Fatty Acyl-CoA Synthetase in Skin Fibroblasts. Journal of Biological Chemistry, 2007, 282, 20573-20583.	3.4	97
52	Glomerular filtration is normal in the absence of both agrin and perlecanâ€“heparan sulfate from the glomerular basement membrane. Nephrology Dialysis Transplantation, 2009, 24, 2044-2051.	0.7	97
53	Cloning of wrinkle-free, a previously uncharacterized mouse mutation, reveals crucial roles for fatty acid transport protein 4 in skin and hair development. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5274-5279.	7.1	96
54	Discs-large homolog 1 regulates smooth muscle orientation in the mouse ureter. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19872-19877.	7.1	93

#	Article	IF	Citations
55	Permeation of macromolecules into the renal glomerular basement membrane and capture by the tubules. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2958-2963.	7.1	92
56	Biophysical properties of normal and diseased renal glomeruli. American Journal of Physiology - Cell Physiology, 2011, 300, C397-C405.	4.6	91
57	Identification and expression of mouse netrin-4. Mechanisms of Development, 2000, 96, 115-119.	1.7	88
58	Laminin Î±5 Is Required for Lobar Septation and Visceral Pleural Basement Membrane Formation in the Developing Mouse Lung. Developmental Biology, 2002, 246, 231-244.	2.0	87
59	Laminets: Laminin- and Netrin-Related Genes Expressed in Distinct Neuronal Subsets. Molecular and Cellular Neurosciences, 2002, 19, 344-358.	2.2	82
60	Alport syndrome and Pierson syndrome: Diseases of the glomerular basement membrane. Matrix Biology, 2018, 71-72, 250-261.	3.6	82
61	Transcriptional induction of slit diaphragm genes by Lmx1b is required in podocyte differentiation. Journal of Clinical Investigation, 2002, 109, 1065-1072.	8.2	82
62	Abnormal Glomerular Basement Membrane Laminins in Murine, Canine, and Human Alport Syndrome. Journal of the American Society of Nephrology: JASN, 2001, 12, 252-260.	6.1	82
63	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.	3.4	81
64	Epithelial laminin Î±5 is necessary for distal epithelial cell maturation, VEGF production, and alveolization in the developing murine lung. Developmental Biology, 2005, 282, 111-125.	2.0	81
65	Distribution of ten laminin chains in dystrophic and regenerating muscles. Neuromuscular Disorders, 1999, 9, 423-433.	0.6	77
66	Laminin Î²2 Gene Missense Mutation Produces Endoplasmic Reticulum Stress in Podocytes. Journal of the American Society of Nephrology: JASN, 2013, 24, 1223-1233.	6.1	77
67	Albumin-associated free fatty acids induce macropinocytosis in podocytes. Journal of Clinical Investigation, 2015, 125, 2307-2316.	8.2	73
68	Transgenic isolation of skeletal muscle and kidney defects in lamininÎ²2 mutant mice: implications for Pierson syndrome. Development (Cambridge), 2006, 133, 967-975.	2.5	72
69	Fatty acid transport protein 4 is dispensable for intestinal lipid absorption in mice. Journal of Lipid Research, 2009, 50, 491-500.	4.2	71
70	Expression of Laminin Î±₃, Î±₄, and Î±₅ Chains by Alveolar Epithelial Cells and Fibroblasts. American Journal of Respiratory Cell and Molecular Biology, 1998, 19, 237-244.	2.9	70
71	Localization of Lutheran, a novel laminin receptor, in normal, knockout, and transgenic mice suggests an interaction with laminin ?5 in vivo. Developmental Dynamics, 2001, 222, 101-114.	1.8	69
72	Feasibility of Repairing Glomerular Basement Membrane Defects in Alport Syndrome. Journal of the American Society of Nephrology: JASN, 2014, 25, 687-692.	6.1	69

#	Article	IF	Citations
73	A flexible, multilayered protein scaffold maintains the slit in between glomerular podocytes. JCI Insight, 2016, 1, .	5.0	69
74	Insertional Mutation of the Collagen Genes Col4a3 and Col4a4 in a Mouse Model of Alport Syndrome. Genomics, 1999, 61, 113-124.	2.9	67
75	Laminin Î±5 chain is required for intestinal smooth muscle development. Developmental Biology, 2003, 260, 376-390.	2.0	66
76	Building the Glomerulus. Journal of the American Society of Nephrology: JASN, 2005, 16, 857-861.	6.1	66
77	Abnormalities in neural crest cell migration in laminin Î±5 mutant mice. Developmental Biology, 2006, 289, 218-228.	2.0	65
78	Maintenance of Glomerular Filtration Barrier Integrity Requires Laminin Î±5. Journal of the American Society of Nephrology: JASN, 2010, 21, 579-586.	6.1	65
79	Opposing Roles of Dendritic Cell Subsets in Experimental GN. Journal of the American Society of Nephrology: JASN, 2018, 29, 138-154.	6.1	65
80	Injury-induced actin cytoskeleton reorganization in podocytes revealed by super-resolution microscopy. JCI Insight, 2017, 2, .	5.0	65
81	Domain IV of mouse laminin Î²1 and Î²2â€ƒchains. FEBS Journal, 2002, 269, 431-442.	0.2	64
82	Laminin Î±5 influences the architecture of the mouse small intestine mucosa. Journal of Cell Science, 2008, 121, 2493-2502.	2.0	64
83	The Presynaptic Calcium Channel Is Part of a Transmembrane Complex Linking a Synaptic Laminin (Î±4Î²2Î³1) with Non-Erythroid Spectrin. Journal of Neuroscience, 2000, 20, 1009-1019.	3.6	63
84	The enigmatic parietal epithelial cell is finally getting noticed: a review. Kidney International, 2009, 76, 1225-1238.	5.2	63
85	Adhesion of Cultured Bovine Aortic Endothelial Cells to Laminin-1 Mediated by Dystroglycan. Journal of Biological Chemistry, 1999, 274, 11995-12000.	3.4	62
86	Loss of Î±3/Î±4(IV) Collagen from the Glomerular Basement Membrane Induces a Strain-Dependent Isoform Switch to Î±5Î±6(IV) Collagen Associated with Longer Renal Survival in Col4a3 â^'/â^' Alport Mice. Journal of the American Society of Nephrology: JASN, 2006, 17, 1962-1969.	6.1	60
87	Impaired Glomerular Maturation and Lack of VEGF165b in Denys-Drash Syndrome. Journal of the American Society of Nephrology: JASN, 2007, 18, 719-729.	6.1	60
88	A Mutant Form of the Wilmsâ€™ Tumor Suppressor Gene WT1 Observed in Denys-Drash Syndrome Interferes with Glomerular Capillary Development. Journal of the American Society of Nephrology: JASN, 2002, 13, 2058-2067.	6.1	59
89	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.	3.4	59
90	Organogenesis of the kidney glomerulus. Organogenesis, 2011, 7, 75-82.	1.2	59

#	Article	IF	Citations
91	Role of fatty acid transporters in epidermis. Dermato-Endocrinology, 2011, 3, 53-61.	1.8	59
92	What Is the Glomerular Ultrafiltration Barrier?. Journal of the American Society of Nephrology: JASN, 2018, 29, 2262-2264.	6.1	59
93	A Potent HIV Protease Inhibitor, Darunavir, Does Not Inhibit ZMPSTE24 or Lead to an Accumulation of Farnesyl-prelamin A in Cells. Journal of Biological Chemistry, 2008, 283, 9797-9804.	3.4	57
94	Podocyte-Derived BMP7 Is Critical for Nephron Development. Journal of the American Society of Nephrology: JASN, 2008, 19, 2181-2191.	6.1	57
95	The Expression and Function of Fatty Acid Transport Protein-2 and -4 in the Murine Placenta. PLoS ONE, 2011, 6, e25865.	2.5	57
96	Gelatinase B (MMP-9) Is Not Essential in the Normal Kidney and Does Not Influence Progression of Renal Disease in a Mouse Model of Alport Syndrome. American Journal of Pathology, 2000, 157, 303-311.	3.8	55
97	Laminin Compensation in Collagen Î±3(IV) Knockout (Alport) Glomeruli Contributes to Permeability Defects. Journal of the American Society of Nephrology: JASN, 2007, 18, 2465-2472.	6.1	55
98	Podocytes regulate the glomerular basement membrane protein nephronectin by means ofÂmiR-378a-3p in glomerular diseases. Kidney International, 2017, 92, 836-849.	5.2	55
99	Cell Elongation Induces Laminin Î±2 Chain Expression in Mouse Embryonic Mesenchymal Cells. Journal of Cell Biology, 1999, 147, 1341-1350.	5.2	52
100	Forced expression of laminin Î²1 in podocytes prevents nephrotic syndrome in mice lacking laminin Î²2, a model for Pierson syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15348-15353.	7.1	52
101	Loss of the Podocyte-Expressed Transcription Factor Tcf21/Pod1 Results in Podocyte Differentiation Defects and FSGS. Journal of the American Society of Nephrology: JASN, 2014, 25, 2459-2470.	6.1	52
102	Three-dimensional electron microscopy reveals the evolution of glomerular barrier injury. Scientific Reports, 2016, 6, 35068.	3.3	51
103	Review: Lutheran/B-CAM: A Laminin Receptor on Red Blood Cells and in Various Tissues. Connective Tissue Research, 2005, 46, 193-199.	2.3	50
104	A Missense LAMB2 Mutation Causes Congenital Nephrotic Syndrome by Impairing Laminin Secretion. Journal of the American Society of Nephrology: JASN, 2011, 22, 849-858.	6.1	50
105	Intravital and Kidney Slice Imaging of Podocyte Membrane Dynamics. Journal of the American Society of Nephrology: JASN, 2016, 27, 3285-3290.	6.1	50
106	Role of the Polarity Protein Scribble for Podocyte Differentiation and Maintenance. PLoS ONE, 2012, 7, e36705.	2.5	50
107	Mesencephalic Astrocyteâ€“Derived Neurotrophic Factor as a Urine Biomarker for Endoplasmic Reticulum Stressâ€“Related Kidney Diseases. Journal of the American Society of Nephrology: JASN, 2016, 27, 2974-2982.	6.1	49
108	A mouse Col4a4 mutation causing Alport glomerulosclerosis with abnormal collagen Î±3Î±4Î±5(IV) trimers. Kidney International, 2014, 85, 1461-1468.	5.2	48

#	Article	IF	Citations
109	B cellâ€“derived IL-4 acts on podocytes to induce proteinuria and foot process effacement. JCI Insight, 2017, 2, .	5.0	48
110	Alternative Pathway Is Essential for Glomerular Complement Activation and Proteinuria in a Mouse Model of Membranous Nephropathy. Frontiers in Immunology, 2018, 9, 1433.	4.8	47
111	Expression of type IV collagen Î±1(IV)â€“Î±6(IV) polypeptides in normal and developing human kidney and in renal cell carcinomas and oncocytomas. , 1997, 72, 43-49.		46
112	The Synaptic Vesicle Protein SV2 Is Complexed with an Î±5-Containing Laminin on the Nerve Terminal Surface. Journal of Biological Chemistry, 2000, 275, 451-460.	3.4	46
113	Mystery solved. Journal of Cell Biology, 2001, 154, 257-260.	5.2	46
114	Distinct Epitopes for Antiâ€“Glomerular Basement Membrane Alport Alloantibodies and Goodpasture Autoantibodies within the Noncollagenous Domain of Î±3(IV) Collagen. Journal of the American Society of Nephrology: JASN, 2005, 16, 3563-3571.	6.1	46
115	A Chemotactic Peptide from Laminin Î±5 Functions as a Regulator of Inflammatory Immune Responses via TNFÎ±-mediated Signaling. Journal of Immunology, 2005, 174, 1621-1629.	0.8	46
116	Keratinocyte-specific Expression of Fatty Acid Transport Protein 4 Rescues the Wrinkle-free Phenotype in Slc27a4/Fatp4 Mutant Mice. Journal of Biological Chemistry, 2007, 282, 15912-15920.	3.4	45
117	CNS Neurons Deposit Laminin Î±5 to Stabilize Synapses. Cell Reports, 2017, 21, 1281-1292.	6.4	45
118	Identification of an Altered Matrix Signature in Kidney Aging and Disease. Journal of the American Society of Nephrology: JASN, 2021, 32, 1713-1732.	6.1	45
119	Regulation of Renal Laminin in Mice with Type II Diabetes. Journal of the American Society of Nephrology: JASN, 1999, 10, 1931-1939.	6.1	44
120	Laminin Î±5 guides tissue patterning and organogenesis. Cell Adhesion and Migration, 2013, 7, 90-100.	2.7	42
121	Dual lineage tracing shows that glomerular parietal epithelial cells can transdifferentiate toward theÂadult podocyte fate. Kidney International, 2019, 96, 597-611.	5.2	42
122	Expression of laminin chains by central neurons: Analysis with gene and protein trapping techniques. Genesis, 2003, 36, 114-127.	1.6	41
123	Mutations in Recessive Congenital Ichthyoses Illuminate the Origin and Functions of the CorneocyteÂLipid Envelope. Journal of Investigative Dermatology, 2019, 139, 760-768.	0.7	41
124	A role for genetic susceptibility in sporadic focal segmental glomerulosclerosis. Journal of Clinical Investigation, 2016, 126, 1067-1078.	8.2	41
125	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.	2.0	40
126	Stem cell therapy for Alport syndrome: the hope beyond the hype. Nephrology Dialysis Transplantation, 2008, 24, 731-734.	0.7	40

#	Article	IF	Citations
127	Advances and unmet needs in genetic, basic and clinical science in Alport syndrome: report from the 2015 International Workshop on Alport Syndrome. Nephrology Dialysis Transplantation, 2017, 32, gfw095.	0.7	40
128	Revisiting the glomerular charge barrier in the molecular era. Current Opinion in Nephrology and Hypertension, 2008, 17, 393-398.	2.0	39
129	Laminin-11. International Journal of Biochemistry and Cell Biology, 1999, 31, 811-816.	2.8	38
130	Basement membrane ligands initiate distinct signalling networks to direct cell shape. Matrix Biology, 2020, 90, 61-78.	3.6	38
131	Glomerular basement membrane and related glomerular disease. Translational Research, 2012, 160, 291-297.	5.0	36
132	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.	3.4	36
133	Pathology vs. molecular genetics: (re)defining the spectrum of Alport syndrome. Kidney International, 2014, 86, 1081-1083.	5.2	35
134	Albumin contributes to kidney disease progression in Alport syndrome. American Journal of Physiology - Renal Physiology, 2016, 311, F120-F130.	2.7	35
135	Loss of Endothelial Laminin Î±5 Exacerbates Hemorrhagic Brain Injury. Translational Stroke Research, 2019, 10, 705-718.	4.2	35
136	Expression Patterns of Laminin Î± 1 and Î± 5 in Human Lung during Development. American Journal of Respiratory Cell and Molecular Biology, 2000, 23, 742-747.	2.9	34
137	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.	2.6	33
138	Synaptopodin Is Dispensable for Normal Podocyte Homeostasis but Is Protective in the Context of Acute Podocyte Injury. Journal of the American Society of Nephrology: JASN, 2020, 31, 2815-2832.	6.1	33
139	Focusing on the Glomerular Slit Diaphragm. American Journal of Pathology, 2002, 160, 3-5.	3.8	31
140	Requirement of Fatty Acid Transport Protein 4 for Development, Maturation, and Function of Sebaceous Glands in a Mouse Model of Ichthyosis Prematurity Syndrome. Journal of Biological Chemistry, 2013, 288, 3964-3976.	3.4	31
141	Mapping the molecular and structural specialization of the skin basement membrane for inter-tissue interactions. Nature Communications, 2021, 12, 2577.	12.8	31
142	Glomerular laminin isoform transitions: errors in metanephric culture are corrected by grafting. American Journal of Physiology - Renal Physiology, 2001, 280, F695-F705.	2.7	30
143	Fatty Acid Transport Protein 4 (FATP4) Prevents Light-Induced Degeneration of Cone and Rod Photoreceptors by Inhibiting RPE65 Isomerase. Journal of Neuroscience, 2013, 33, 3178-3189.	3.6	30
144	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.	6.1	30

#	Article	IF	Citations
145	Detection of renin lineage cell transdifferentiation to podocytes in the kidney glomerulus with dual lineage tracing. Kidney International, 2018, 93, 1240-1246.	5.2	30
146	Laminin-10 and Lutheran blood group glycoproteins in adhesion of human endothelial cells. American Journal of Physiology - Cell Physiology, 2006, 290, C764-C775.	4.6	29
147	Dystroglycan does not contribute significantly to kidney development or function, in health or after injury. American Journal of Physiology - Renal Physiology, 2011, 300, F811-F820.	2.7	29
148	Scaffolding Proteins DLG1 and CASK Cooperate to Maintain the Nephron Progenitor Population during Kidney Development. Journal of the American Society of Nephrology: JASN, 2013, 24, 1127-1138.	6.1	29
149	Proteolysis Breaks Tolerance toward Intact Î±345(IV) Collagen, Eliciting Novel Antiâ€“Glomerular Basement Membrane Autoantibodies Specific for Ì±345NC1 Hexamers. Journal of Immunology, 2013, 190, 1424-1432.	0.8	29
150	Neonatal Fc Receptor Promotes Immune Complexâ€“Mediated Glomerular Disease. Journal of the American Society of Nephrology: JASN, 2014, 25, 918-925.	6.1	29
151	A mutation affecting laminin alpha 5 polymerisation gives rise to a syndromic developmental disorder. Development (Cambridge), 2020, 147, .	2.5	28
152	Laminin Î±1 Regulates Age-Related Mesangial Cell Proliferation and Mesangial Matrix Accumulation through the TGF-Î² Pathway. American Journal of Pathology, 2014, 184, 1683-1694.	3.8	27
153	Pathogenicity of a Human Laminin Î²2 Mutation Revealed in Models of Alport Syndrome. Journal of the American Society of Nephrology: JASN, 2018, 29, 949-960.	6.1	27
154	Discoidin domain receptor 1 activation links extracellular matrix to podocyte lipotoxicity in Alport syndrome. EBioMedicine, 2021, 63, 103162.	6.1	27
155	Glomerular filtration: the charge debate charges ahead. Kidney International, 2008, 74, 259-261.	5.2	26
156	Differential expression of parietal epithelial cell and podocyte extracellular matrix proteins in focal segmental glomerulosclerosis and diabetic nephropathy. American Journal of Physiology - Renal Physiology, 2019, 317, F1680-F1694.	2.7	26
157	Parietal epithelial cell differentiation to a podocyte fate in the aged mouse kidney. Aging, 2020, 12, 17601-17624.	3.1	25
158	CD2-associated protein and the kidney. Current Opinion in Nephrology and Hypertension, 2001, 10, 19-22.	2.0	24
159	A Molecular Look at the Glomerular Barrier. Nephron Experimental Nephrology, 2003, 94, e119-e122.	2.2	22
160	Laminins Î±2 and Î±4 in Pancreatic Acinar Basement Membranes Are Required for Basal Receptor Localization. Journal of Histochemistry and Cytochemistry, 2004, 52, 153-156.	2.5	22
161	The biodistribution of [¹⁵³Gd]Gdâ€labeled magnetic resonance contrast agents in a transgenic mouse model of renal failure differs greatly from control mice. Magnetic Resonance in Medicine, 2010, 64, 1274-1280.	3.0	22
162	Functional assessment of a novel COL4A5 splice region variant and immunostaining of plucked hair follicles as an alternative method of diagnosis in X-linked Alport syndrome. Pediatric Nephrology, 2017, 32, 997-1003.	1.7	22

#	Article	IF	Citations
163	Mural cell-derived laminin-Î±5 plays a detrimental role in ischemic stroke. Acta Neuropathologica Communications, 2019, 7, 23.	5.2	21
164	Peroxidasin-mediated bromine enrichment of basement membranes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15827-15836.	7.1	21
165	Alport Syndrome with Diffuse Leiomyomatosis. American Journal of Pathology, 1999, 154, 1633-1635.	3.8	20
166	TGF-Î²1 Induces Aberrant Laminin Chain and Collagen Type IV Isotype Expression in the Glomerular Basement Membrane. Nephron Experimental Nephrology, 2003, 94, e123-e136.	2.2	19
167	Partial Rescue of Glomerular Laminin Î±5 Mutations by Wild-Type Endothelia Produce Hybrid Glomeruli. Journal of the American Society of Nephrology: JASN, 2007, 18, 2285-2293.	6.1	19
168	Klotho regulation by albuminuria is dependent on ATF3 and endoplasmic reticulum stress. FASEB Journal, 2020, 34, 2087-2104.	0.5	19
169	EPB41L5 controls podocyte extracellular matrix assembly by adhesome-dependent force transmission. Cell Reports, 2021, 34, 108883.	6.4	19
170	The Pax3â€Cre transgene exhibits a rostrocaudal gradient of expression in the skeletal muscle lineage. Genesis, 2009, 47, 1-6.	1.6	18
171	Re-characterization of the Glomerulopathy in CD2AP Deficient Mice by High-Resolution Helium Ion Scanning Microscopy. Scientific Reports, 2017, 7, 8321.	3.3	18
172	Metformin ameliorates the severity of experimental Alport syndrome. Scientific Reports, 2021, 11, 7053.	3.3	18
173	Fatty acid transport protein 4 is required for incorporation of saturated ultralong-chain fatty acids into epidermal ceramides and monoacylglycerols. Scientific Reports, 2019, 9, 13254.	3.3	17
174	Synaptopodin deficiency exacerbates kidney disease in a mouse model of Alport syndrome. American Journal of Physiology - Renal Physiology, 2021, 321, F12-F25.	2.7	17
175	DLG1 influences distal ureter maturation via a non-epithelial cell autonomous mechanism involving reduced retinoic acid signaling, Ret expression, and apoptosis. Developmental Biology, 2014, 390, 160-169.	2.0	16
176	Glomerular mesangial cell recruitment and function require the co-receptor neuropilin-1. American Journal of Physiology - Renal Physiology, 2017, 313, F1232-F1242.	2.7	16
177	Alport Syndrome Therapeutics: Ready for Prime-Time Players. Trends in Pharmacological Sciences, 2019, 40, 803-806.	8.7	16
178	Red cell traverse through thin glomerular basement membrane. Kidney International, 2002, 61, 762-763.	5.2	15
179	Albuminuria, Wherefore Art Thou?. Journal of the American Society of Nephrology: JASN, 2009, 20, 455-457.	6.1	15
180	Epidermal hyperproliferation in mice lacking fatty acid transport protein 4 (FATP4) involves ectopic EGF receptor and STAT3 signaling. Developmental Biology, 2010, 344, 707-719.	2.0	15

#	Article	IF	Citations
181	Fatty Acid Transport Protein 1 Can Compensate for Fatty Acid Transport Protein 4 in the Developing Mouse Epidermis. Journal of Investigative Dermatology, 2015, 135, 462-470.	0.7	15
182	The importance of clinician, patient and researcher collaborations in Alport syndrome. Pediatric Nephrology, 2020, 35, 733-742.	1.7	15
183	Discs large 1 controls daughter-cell polarity after cytokinesis in vertebrate morphogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10859-E10868.	7.1	14
184	Type IV collagen and diabetic kidney disease. Nature Reviews Nephrology, 2020, 16, 3-4.	9.6	14
185	Life Without Nephrin. Journal of the American Society of Nephrology: JASN, 2012, 23, 369-371.	6.1	13
186	Ultrastructural Characterization of the Glomerulopathy in Alport Mice by Helium Ion Scanning Microscopy (HIM). Scientific Reports, 2017, 7, 11696.	3.3	13
187	Sex-specific localization of laminin Î±5 chain in the differentiating rat testis and ovary. Differentiation, 1999, 64, 151.	1.9	13
188	Functional Consequences of Cell Type-Restricted Expression of Laminin Î±5 in Mouse Placental Labyrinth and Kidney Glomerular Capillaries. PLoS ONE, 2012, 7, e41348.	2.5	12
189	Defining Kidney Biology to Understand Renal Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2014, 9, 809-811.	4.5	12
190	Mammalian hemicentin 1 is assembled into tracks in the extracellular matrix of multiple tissues. Developmental Dynamics, 2020, 249, 775-788.	1.8	12
191	The 2019 and 2021 International Workshops on Alport Syndrome. European Journal of Human Genetics, 2022, 30, 507-516.	2.8	12
192	Linear ion-trap MSn with high-resolution MS reveals structural diversity of 1-O-acylceramide family in mouse epidermis. Journal of Lipid Research, 2017, 58, 772-782.	4.2	11
193	Endothelial cell-specific collagen type IV-Î±₃expression does not rescue Alport syndrome inCol4a3^{â^'}^{/â^'}mice. American Journal of Physiology - Renal Physiology, 2019, 316, F830-F837.	2.7	11
194	Three-Dimensional Visualization of the Podocyte Actin Network Using Integrated Membrane Extraction, Electron Microscopy, and Machine Learning. Journal of the American Society of Nephrology: JASN, 2022, 33, 155-173.	6.1	11
195	A deletion in the N-terminal polymerizing domain of laminin Î²2 is a new mouse model of chronic nephrotic syndrome. Kidney International, 2020, 98, 133-146.	5.2	10
196	Breaking Down the Barrier: Evidence against a Role for Heparan Sulfate in Glomerular Permselectivity. Journal of the American Society of Nephrology: JASN, 2007, 18, 672-674.	6.1	9
197	New insights into the mechanisms of podocyte health. Nature Reviews Nephrology, 2016, 12, 63-64.	9.6	9
198	Clear Evidence of LAMA5 Gene Biallelic Truncating Variants Causing Infantile Nephrotic Syndrome. Kidney360, 2021, 2, 1968-1978.	2.1	8

#	Article	IF	Citations
199	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.	2.6	7
200	Requirement for basement membrane laminin Î±5 during urethral and external genital development. Mechanisms of Development, 2016, 141, 62-69.	1.7	7
201	Mutations in LAMB2 Are Associated With Albuminuria and Optic Nerve Hypoplasia With Hypopituitarism. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 595-599.	3.6	7
202	Clinical trial recommendations for potential Alport syndrome therapies. Kidney International, 2020, 97, 1109-1116.	5.2	7
203	Basement Membranes. , 2011, , 117-145.		6
204	NanoLuc reporters identify COL4A5 nonsense mutations susceptible to drug-induced stop codon readthrough. IScience, 2022, 25, 103891.	4.1	6
205	The Extracellular Matrix: An Overview. , 2010, , 1-17.		5
206	Homozygous KSR1 deletion attenuates morbidity but does not prevent tumor development in a mouse model of RAS-driven pancreatic cancer. PLoS ONE, 2018, 13, e0194998.	2.5	4
207	Comparative analysis of dCas9-VP64 variants and multiplexed guide RNAs mediating CRISPR activation. PLoS ONE, 2022, 17, e0270008.	2.5	4
208	Of laminins and delamination in Alport syndrome. Kidney International, 2003, 63, 1158-1159.	5.2	3
209	Restrictive dermopathy and ZMPSTE24 mutations in Mennonites: Evidence for allelic heterogeneity. American Journal of Medical Genetics, Part A, 2010, 152A, 2140-2141.	1.2	2
210	Knockout of aminopeptidase A in mice causes functional alterations and morphological glomerular basement membrane changes in the kidneys. Kidney International, 2021, 99, 900-913.	5.2	2
211	Laminin Î²2 variants associated with isolated nephropathy that impact matrix regulation. JCI Insight, 2021, 6, .	5.0	2
212	Muscular dystrophy meets protein biochemistry, the mother of invention. Journal of Clinical Investigation, 2017, 127, 798-800.	8.2	2
213	Title is missing!. The Histochemical Journal, 1998, 30, 375-381.	0.6	1
214	Extracellular Matrix: Basement Membranes. , 2022, , 130-136.		1
215	Molecular and Cellular Mechanisms of Glomerular Capillary Development. , 2008, , 691-706.		1
216	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.	2.6	0

#	Article	IF	Citations
217	Molecular and Cellular Mechanisms of Glomerular Capillary Development. , 2013, , 891-910.		0
218	Preface. Current Topics in Membranes, 2015, 76, xi-xiv.	0.9	0
219	Preface. Current Topics in Membranes, 2016, 77, xi-xiii.	0.9	0
220	Super-resolution Imaging of the Kidney Glomerulus in Health and Disease Conditions. Microscopy and Microanalysis, 2017, 23, 1318-1319.	0.4	0
221	Comprehensive Mouse Skin Ceramide Analysis on a Solid-Phase and TLC Separation with High-Resolution Mass Spectrometry Platform. Methods in Molecular Biology, 2021, 2306, 139-155.	0.9	0
222	Laminins regulate cryptâ€villus architecture and epithelial cell behavior in the mouse intestine. FASEB Journal, 2007, 21, A43.	0.5	0
223	Laminin beta 2. The AFCS-nature Molecule Pages, 0, , .	0.2	0