

Weining Lu

List of Publications by Year in descending order

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34
papers

4,230
citations

304602

22
h-index

395590

33
g-index

35
all docs

35
docs citations

35
times ranked

4919
citing authors

#	ARTICLE	IF	CITATIONS
1	Polycystins 1 and 2 mediate mechanosensation in the primary cilium of kidney cells. <i>Nature Genetics</i> , 2003, 33, 129-137.	9.4	1,822
2	Perinatal lethality with kidney and pancreas defects in mice with a targeted Pkd1 mutation. <i>Nature Genetics</i> , 1997, 17, 179-181.	9.4	420
3	A defect in a novel Nek-family kinase causes cystic kidney disease in the mouse and in zebrafish. <i>Development (Cambridge)</i> , 2002, 129, 5839-5846.	1.2	220
4	Disruption of ROBO2 Is Associated with Urinary Tract Anomalies and Confers Risk of Vesicoureteral Reflux. <i>American Journal of Human Genetics</i> , 2007, 80, 616-632.	2.6	189
5	Efficient generation and mapping of recessive developmental mutations using ENU mutagenesis. <i>Nature Genetics</i> , 2002, 30, 185-189.	9.4	181
6	Late onset of renal and hepatic cysts in Pkd1-targeted heterozygotes. <i>Nature Genetics</i> , 1999, 21, 160-161.	9.4	149
7	Whole-Exome Sequencing Identifies Causative Mutations in Families with Congenital Anomalies of the Kidney and Urinary Tract. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 2348-2361.	3.0	147
8	Tissue-Specific Reduction in Splicing Efficiency of IKBKAP Due to the Major Mutation Associated with Familial Dysautonomia. <i>American Journal of Human Genetics</i> , 2003, 72, 749-758.	2.6	125
9	NFIA Haploinsufficiency Is Associated with a CNS Malformation Syndrome and Urinary Tract Defects. <i>PLoS Genetics</i> , 2007, 3, e80.	1.5	100
10	Characterization of Apparently Balanced Chromosomal Rearrangements from the Developmental Genome Anatomy Project. <i>American Journal of Human Genetics</i> , 2008, 82, 712-722.	2.6	95
11	MATR3 disruption in human and mouse associated with bicuspid aortic valve, aortic coarctation and patent ductus arteriosus. <i>Human Molecular Genetics</i> , 2015, 24, 2375-2389.	1.4	90
12	Lower urinary tract development and disease. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2013, 5, 307-342.	6.6	74
13	Inhibition of HER-2(neu/ErbB2) restores normal function and structure to polycystic kidney disease (PKD) epithelia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006, 1762, 647-655.	1.8	72
14	Mutations in TBX18 Cause Dominant Urinary Tract Malformations via Transcriptional Dysregulation of Ureter Development. <i>American Journal of Human Genetics</i> , 2015, 97, 291-301.	2.6	72
15	Mutations of the SLIT2-ROBO2 pathway genes SLIT2 and SRGAP1 confer risk for congenital anomalies of the kidney and urinary tract. <i>Human Genetics</i> , 2015, 134, 905-916.	1.8	62
16	Inhibitory Effects of Robo2 on Nephron: A Crosstalk between Positive and Negative Signals Regulating Podocyte Structure. <i>Cell Reports</i> , 2012, 2, 52-61.	2.9	53
17	Models for microarray gene expression data. <i>Journal of Biopharmaceutical Statistics</i> , 2002, 12, 1-19.	0.4	45
18	A Dominant Mutation in Nuclear Receptor Interacting Protein 1 Causes Urinary Tract Malformations via Dysregulation of Retinoic Acid Signaling. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 2364-2376.	3.0	40

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19	Disruption of Diacylglycerol Kinase Delta (DGKD) Associated with Seizures in Humans and Mice. <i>American Journal of Human Genetics</i> , 2007, 80, 792-799.	2.6	39
20	SLIT2/ROBO2 signaling pathway inhibits nonmuscle myosin IIA activity and destabilizes kidney podocyte adhesion. <i>JCI Insight</i> , 2016, 1, e86934.	2.3	34
21	The fate of Notch-deficient nephrogenic progenitor cells during metanephric kidney development. <i>Kidney International</i> , 2011, 79, 1099-1112.	2.6	28
22	Crim1 regulates integrin signaling in murine lens development. <i>Development (Cambridge)</i> , 2015, 143, 356-66.	1.2	27
23	Mutations of the Transcriptional Corepressor ZMYM2 Cause Syndromic Urinary Tract Malformations. <i>American Journal of Human Genetics</i> , 2020, 107, 727-742.	2.6	25
24	Identification of direct negative cross-talk between the SLIT2 and bone morphogenetic protein-Gremlin signaling pathways. <i>Journal of Biological Chemistry</i> , 2018, 293, 3039-3055.	1.6	24
25	Integrin-Linked Kinase Deficiency in Collecting Duct Principal Cell Promotes Necroptosis of Principal Cell and Contributes to Kidney Inflammation and Fibrosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 2073-2090.	3.0	19
26	Loss of Zeb2 in mesenchyme-derived nephrons causes primary glomerulocystic disease. <i>Kidney International</i> , 2016, 90, 1262-1273.	2.6	17
27	Noninvasive Assessment of Antenatal Hydronephrosis in Mice Reveals a Critical Role for Robo2 in Maintaining Anti-Reflux Mechanism. <i>PLoS ONE</i> , 2011, 6, e24763.	1.1	14
28	Roundabout receptor 2 maintains inhibitory control of the adult midbrain. <i>ELife</i> , 2017, 6, .	2.8	14
29	Loss of Roundabout Guidance Receptor 2 (Robo2) in Podocytes Protects Adult Mice from Glomerular Injury by Maintaining Podocyte Foot Process Structure. <i>American Journal of Pathology</i> , 2020, 190, 799-816.	1.9	10
30	Assessing vesicoureteral reflux in live inbred mice via ultrasound with a microbubble contrast agent. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, F1262-F1265.	1.3	7
31	Blocking peptides and molecular mimicry as treatment for kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F1016-F1025.	1.3	5
32	A homozygous missense variant in VWA2, encoding an interactor of the Fraser-complex, in a patient with vesicoureteral reflux. <i>PLoS ONE</i> , 2018, 13, e0191224.	1.1	5
33	PODO: Trial Design: Phase 2 Study of PF-06730512 in Focal Segmental Glomerulosclerosis. <i>Kidney International Reports</i> , 2021, 6, 1629-1633.	0.4	4
34	Regulation of Ureteric Bud Outgrowth and the Consequences of Disrupted Development. , 2016, , 209-227.		2