Akio Kobayashi

List of Publications by Year
in descending order

33 papers	7,258 citations	218677 26 h-index	434195 31 g-index
34 all docs	34 docs citations	34 times ranked	7818 citing authors

#	Article	IF	Citations
1	Generation of the organotypic kidney structure by integrating pluripotent stem cell-derived renal stroma. Nature Communications, 2022, 13, 611.	12.8	29
2	Building kidney organoids from pluripotent stem cells. Current Opinion in Nephrology and Hypertension, 2022, 31, 367-373.	2.0	2
3	Molecular detection of maturation stages in the developing kidney. Developmental Biology, 2021, 470, 62-73.	2.0	14
4	PKD1-Dependent Renal Cystogenesis in Human Induced Pluripotent Stem Cell-Derived Ureteric Bud/Collecting Duct Organoids. Journal of the American Society of Nephrology: JASN, 2020, 31, 2355-2371.	6.1	47
5	Mice Lacking Wnt9a or Wnt4 Are Prone to Develop Spontaneous Osteoarthritis With Age and Display Alteration in Either the Trabecular or Cortical Bone Compartment. Journal of Bone and Mineral Research, 2020, 37, 1335-1351.	2.8	2
6	Cell-specific image-guided transcriptomics identifies complex injuries caused by ischemic acute kidney injury in mice. Communications Biology, 2019, 2, 326.	4.4	10
7	FOXM1 drives proximal tubule proliferation during repair from acute ischemic kidney injury. Journal of Clinical Investigation, 2019, 129, 5501-5517.	8.2	103
8	Repression of Interstitial Identity in Nephron Progenitor Cells by Pax2 Establishes the Nephron-Interstitium Boundary during Kidney Development. Developmental Cell, 2017, 41, 349-365.e3.	7.0	61
9	Identification of a <i>Prg4</i>â€Expressing Articular Cartilage Progenitor Cell Population in Mice. Arthritis and Rheumatology, 2015, 67, 1261-1273.	5.6	185
10	Differentiated kidney epithelial cells repair injured proximal tubule. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1527-1532.	7.1	392
11	Identification of a Multipotent Self-Renewing Stromal Progenitor Population during Mammalian Kidney Organogenesis. Stem Cell Reports, 2014, 3, 650-662.	4.8	202
12	Role of Lung Pericytes and Resident Fibroblasts in the Pathogenesis of Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 820-830.	5.6	317
13	LRP-6 is a coreceptor for multiple fibrogenic signaling pathways in pericytes and myofibroblasts that are inhibited by DKK-1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1440-1445.	7.1	167
14	Wnt4/Î²âˆ’Catenin Signaling in Medullary Kidney Myofibroblasts. Journal of the American Society of Nephrology: JASN, 2013, 24, 1399-1412.	6.1	153
15	TLR-2/TLR-4 TREM-1 Signaling Pathway Is Dispensable in Inflammatory Myeloid Cells during Sterile Kidney Injury. PLoS ONE, 2013, 8, e68640.	2.5	43
16	Germ Cells Are Not Required to Establish the Female Pathway in Mouse Fetal Gonads. PLoS ONE, 2012, 7, e47238.	2.5	38
17	Use of Genetic Mouse Models to Study Kidney Regeneration. , 2011, , 37-66.		0
18	Î²-Catenin is essential for MÃ¼llerian duct regression during male sexual differentiation. Development (Cambridge), 2011, 138, 1967-1975.	2.5	81

#	Article	IF	Citations
19	Fate Tracing Reveals the Pericyte and Not Epithelial Origin of Myofibroblasts in Kidney Fibrosis. American Journal of Pathology, 2010, 176, 85-97.	3.8	1,281
20	High-resolution gene expression analysis of the developing mouse kidney defines novel cellular compartments within the nephron progenitor population. Developmental Biology, 2009, 333, 312-323.	2.0	163
21	A<i>Wnt7b</i>-dependent pathway regulates the orientation of epithelial cell division and establishes the cortico-medullary axis of the mammalian kidney. Development (Cambridge), 2009, 136, 161-171.	2.5	205
22	A mesenchymal perspective of mÃ¼llerian duct differentiation and regression in <i>Amhr2â€lacZ</i> mice. Molecular Reproduction and Development, 2008, 75, 1154-1162.	2.0	122
23	Hoxd11 specifies a program of metanephric kidney development within the intermediate mesoderm of the mouse embryo. Developmental Biology, 2008, 319, 396-405.	2.0	86
24	Intrinsic Epithelial Cells Repair the Kidney after Injury. Cell Stem Cell, 2008, 2, 284-291.	11.1	752
25	Six2 Defines and Regulates a Multipotent Self-Renewing Nephron Progenitor Population throughout Mammalian Kidney Development. Cell Stem Cell, 2008, 3, 169-181.	11.1	815
26	Gene expression profiles in developing nephrons using Lim1 metanephric mesenchyme-specific conditional mutant mice. BMC Nephrology, 2006, 7, 1.	1.8	23
27	Fgf9 and Wnt4 Act as Antagonistic Signals to Regulate Mammalian Sex Determination. PLoS Biology, 2006, 4, e187.	5.6	469
28	Sox9 in Testis Determination. Annals of the New York Academy of Sciences, 2005, 1061, 9-17.	3.8	70
29	Distinct and sequential tissue-specific activities of the LIM-class homeobox gene<i>Lim1</i>for tubular morphogenesis during kidney development. Development (Cambridge), 2005, 132, 2809-2823.	2.5	307
30	Requirement of<i>Lim1</i>for female reproductive tract development. Development (Cambridge), 2004, 131, 539-549.	2.5	182
31	Functional analysis of<i>Sox8</i>and<i>Sox9</i>during sex determination in the mouse. Development (Cambridge), 2004, 131, 1891-1901.	2.5	490
32	Developmental genetics of the female reproductive tract in mammals. Nature Reviews Genetics, 2003, 4, 969-980.	16.3	321
33	Lim1 Activity Is Required for Intermediate Mesoderm Differentiation in the Mouse Embryo. Developmental Biology, 2000, 223, 77-90.	2.0	126