Soeren S Lienkamp

List of Publications by Year
in descending order

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41 papers	4,229 citations	331259 21 h-index	301761 39 g-index
46 all docs	46 docs citations	46 times ranked	5929 citing authors

#	Article	IF	Citations
1	3D U-Net: Learning Dense Volumetric Segmentation from Sparse Annotation. Lecture Notes in Computer Science, 2016, , 424-432.	1.0	2,388
2	Loss of Nephrocystin-3 Function Can Cause Embryonic Lethality,ÂMeckel-Gruber-like Syndrome, Situs Inversus, and Renal-Hepatic-Pancreatic Dysplasia. American Journal of Human Genetics, 2008, 82, 959-970.	2.6	294
3	Vertebrate kidney tubules elongate using a planar cell polarityâ€“dependent, rosette-based mechanism of convergent extension. Nature Genetics, 2012, 44, 1382-1387.	9.4	197
4	ANKS6 is a central component of a nephronophthisis module linking NEK8 to INVS and NPHP3. Nature Genetics, 2013, 45, 951-956.	9.4	183
5	Direct reprogramming of fibroblasts into renal tubular epithelial cells by defined transcription factors. Nature Cell Biology, 2016, 18, 1269-1280.	4.6	113
6	Inversin, Wnt signaling and primary cilia. Differentiation, 2012, 83, S49-S55.	1.0	81
7	Genetic and physical interaction between the NPHP5 and NPHP6 gene products. Human Molecular Genetics, 2008, 17, 3655-3662.	1.4	72
8	Cyclin O (Ccno) functions during deuterosomeâ€mediated centriole amplification of multiciliated cells. EMBO Journal, 2015, 34, 1078-1089.	3.5	72
9	Mutations in TBX18 Cause Dominant Urinary Tract Malformations via Transcriptional Dysregulation of Ureter Development. American Journal of Human Genetics, 2015, 97, 291-301.	2.6	72
10	The C/EBP homologous protein CHOP (GADD153) is an inhibitor of Wnt/TCF signals. Oncogene, 2006, 25, 3397-3407.	2.6	51
11	Inversin relays Frizzled-8 signals to promote proximal pronephros development. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20388-20393.	3.3	50
12	Regulation of ciliary polarity by the APC/C. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17799-17804.	3.3	49
13	The polarity protein Inturned links NPHP4 to Daam1 to control the subapical actin network in multiciliated cells. Journal of Cell Biology, 2015, 211, 963-973.	2.3	48
14	The Rac1 regulator ELMO controls basal body migration and docking in multiciliated cells through interaction with Ezrin. Development (Cambridge), 2015, 142, 174-184.	1.2	45
15	Using Xenopus to study genetic kidney diseases. Seminars in Cell and Developmental Biology, 2016, 51, 117-124.	2.3	41
16	A Dominant Mutation in Nuclear Receptor Interacting Protein 1 Causes Urinary Tract Malformations via Dysregulation of Retinoic Acid Signaling. Journal of the American Society of Nephrology: JASN, 2017, 28, 2364-2376.	3.0	40
17	Molecular Basis for Autosomal-Dominant Renal Fanconi Syndrome Caused by HNF4A. Cell Reports, 2019, 29, 4407-4421.e5.	2.9	31
18	Anks3 interacts with nephronophthisis proteins and is required for normal renal development. Kidney International, 2015, 87, 1191-1200.	2.6	30

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19	Toolbox in a tadpole: Xenopus for kidney research. Cell and Tissue Research, 2017, 369, 143-157.	1.5	23
20	Scalable fabrication of renal spheroids and nephron-like tubules by bioprinting and controlled self-assembly of epithelial cells. Biofabrication, 2021, 13, 035019.	3.7	22
21	Fabrication of Kidney Proximal Tubule Grafts Using Biofunctionalized Electrospun Polymer Scaffolds. Macromolecular Bioscience, 2019, 19, e1800412.	2.1	20
22	Casein Kinase 1 Î± Phosphorylates the Wnt Regulator Jade-1 and Modulates Its Activity. Journal of Biological Chemistry, 2014, 289, 26344-26356.	1.6	19
23	Reducing lipid bilayer stress by monounsaturated fatty acids protects renal proximal tubules in diabetes. ELife, 2022, 11, .	2.8	18
24	Interaction with the Bardet-Biedl Gene Product TRIM32/BBS11 Modifies the Half-life and Localization of Glis2/NPHP7. Journal of Biological Chemistry, 2014, 289, 8390-8401.	1.6	17
25	Engineering kidney cells: reprogramming and directed differentiation to renal tissues. Cell and Tissue Research, 2017, 369, 185-197.	1.5	17
26	Metabolic characterization of directly reprogrammed renal tubular epithelial cells (iRECs). Scientific Reports, 2018, 8, 3878.	1.6	16
27	Loss of CBY1 results in a ciliopathy characterized by features of Joubert syndrome. Human Mutation, 2020, 41, 2179-2194.	1.1	16
28	Specific disruption of calcineurin-signaling in the distal convoluted tubule impacts the transcriptome and proteome, and causes hypomagnesemia and metabolic acidosis. Kidney International, 2021, 100, 850-869.	2.6	16
29	Deep learning is widely applicable to phenotyping embryonic development and disease. Development (Cambridge), 2021, 148, .	1.2	16
30	Optical flow guided cell segmentation and tracking in developing tissue. , 2014, , .		13
31	The nucleoside-diphosphate kinase NME3 associates with nephronophthisis proteins and is required for ciliary function during renal development. Journal of Biological Chemistry, 2018, 293, 15243-15255.	1.6	13
32	Rare heterozygous GDF6 variants in patients with renal anomalies. European Journal of Human Genetics, 2020, 28, 1681-1693.	1.4	7
33	Impact of Diabetic Stress Conditions on Renal Cell Metabolome. Cells, 2019, 8, 1141.	1.8	6
34	Ttc30a affects tubulin modifications in a model for ciliary chondrodysplasia with polycystic kidney disease. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	6
35	Metabolic and Lipidomic Assessment of Kidney Cells Exposed to Nephrotoxic Vancomycin Dosages. International Journal of Molecular Sciences, 2021, 22, 10111.	1.8	6
36	A simulation-based pilot study of crisis checklists in the emergency department. Internal and Emergency Medicine, 2021, 16, 2269-2276.	1.0	3

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37	Kidney Development: Recent Insights from Technological Advances. Physiology, 2022, 37, 207-215.	1.6	2
38	Genetic and physical interaction between the NPHP5 and NPHP6 gene products. Human Molecular Genetics, 2009, 18, 4226-4226.	1.4	1
39	Planar cell polarity (PCP) and Wnt signaling in renal disease. Drug Discovery Today Disease Mechanisms, 2013, 10, e159-e166.	0.8	0
40	Mutations in transcription factor CP2-like 1 may cause a novel syndrome with distal renal tubulopathy in humans. Nephrology Dialysis Transplantation, 2021, 36, 237-246.	0.4	0
41	The Rac1 regulator ELMO controls basal body migration and docking in multiciliated cells through interaction with Ezrin. Journal of Cell Science, 2015, 128, e1-e1.	1.2	0