

Bettina Wilm

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,067
citations

331670

21
h-index

254184

43
g-index

60
all docs

60
docs citations

60
times ranked

3344
citing authors

#	ARTICLE	IF	CITATIONS
1	The serosal mesothelium is a major source of smooth muscle cells of the gut vasculature. Development (Cambridge), 2005, 132, 5317-5328.	2.5	277
2	Mesothelium contributes to vascular smooth muscle and mesenchyme during lung development. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16626-16630.	7.1	228
3	ERK5: Structure, regulation and function. Cellular Signalling, 2012, 24, 2187-2196.	3.6	199
4	Identification of caspases and apoptosis in the simple metazoan Hydra. Current Biology, 1999, 9, 959-S2.	3.9	144
5	Targeted disruption of <i>Pax1</i> defines its null phenotype and proves haploinsufficiency. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 8692-8697.	7.1	135
6	CHMP5 is essential for late endosome function and down-regulation of receptor signaling during mouse embryogenesis. Journal of Cell Biology, 2006, 172, 1045-1056.	5.2	110
7	The forkhead genes, <i>Foxc1</i> and <i>Foxc2</i> , regulate paraxial versus intermediate mesoderm cell fate. Developmental Biology, 2004, 271, 176-189.	2.0	97
8	Preventing Plasmon Coupling between Gold Nanorods Improves the Sensitivity of Photoacoustic Detection of Labeled Stem Cells <i>in Vivo</i> . ACS Nano, 2016, 10, 7106-7116.	14.6	78
9	Non-invasive imaging reveals conditions that impact distribution and persistence of cells after in vivo administration. Stem Cell Research and Therapy, 2018, 9, 332.	5.5	66
10	Measures of kidney function by minimally invasive techniques correlate with histological glomerular damage in SCID mice with adriamycin-induced nephropathy. Scientific Reports, 2015, 5, 13601.	3.3	51
11	Preclinical imaging methods for assessing the safety and efficacy of regenerative medicine therapies. Npj Regenerative Medicine, 2017, 2, 28.	5.2	47
12	Transdermal Measurement of Glomerular Filtration Rate in Mice. Journal of Visualized Experiments, 2018, , .	0.3	41
13	Serosal mesothelium retains vasculogenic potential. Developmental Dynamics, 2007, 236, 2973-2979.	1.8	36
14	The Role of WT1 in Embryonic Development and Normal Organ Homeostasis. Methods in Molecular Biology, 2016, 1467, 23-39.	0.9	36
15	Differentiation of Podocyte and Proximal Tubule-Like Cells from a Mouse Kidney-Derived Stem Cell Line. Stem Cells and Development, 2012, 21, 296-307.	2.1	35
16	Multimodal cell tracking from systemic administration to tumour growth by combining gold nanorods and reporter genes. ELife, 2018, 7, .	6.0	33
17	Human Kidney-Derived Cells Ameliorate Acute Kidney Injury Without Engrafting into Renal Tissue. Stem Cells Translational Medicine, 2017, 6, 1373-1384.	3.3	32
18	The role of ERK5 in endothelial cell function. Biochemical Society Transactions, 2014, 42, 1584-1589.	3.4	27

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19	Multicolour In Vivo Bioluminescence Imaging Using a NanoLucâ€Based BRET Reporter in Combination with Firefly Luciferase. Contrast Media and Molecular Imaging, 2018, 2018, 1-10.	0.8	26
20	Development of embryonic stem cells in recombinant kidneys. Organogenesis, 2012, 8, 125-136.	1.2	25
21	Imaging technologies for monitoring the safety, efficacy and mechanisms of action of cell-based regenerative medicine therapies in models of kidney disease. European Journal of Pharmacology, 2016, 790, 74-82.	3.5	25
22	Functional molecules in mesothelialâ€toâ€mesenchymal transition revealed by transcriptome analyses. Journal of Pathology, 2018, 245, 491-501.	4.5	25
23	Ex vivo live cell tracking in kidney organoids using light sheet fluorescence microscopy. PLoS ONE, 2018, 13, e0199918.	2.5	22
24	Characterisation of Cultured Mesothelial Cells Derived from the Murine Adult Omentum. PLoS ONE, 2016, 11, e0158997.	2.5	20
25	Post-Surgical Peritoneal Scarring and Key Molecular Mechanisms. Biomolecules, 2021, 11, 692.	4.0	20
26	Integration potential of mouse and human bone marrow-derived mesenchymal stem cells. Differentiation, 2012, 83, 128-137.	1.9	19
27	Regulation of Progenitor Cell Proliferation and Neuronal Differentiation in Enteric Nervous System Neurospheres. PLoS ONE, 2013, 8, e54809.	2.5	18
28	Stem Cells Derived from Neonatal Mouse Kidney Generate Functional Proximal Tubule-Like Cells and Integrate into Developing Nephrons In Vitro. PLoS ONE, 2013, 8, e62953.	2.5	17
29	<i>In vivo</i> fate of free and encapsulated iron oxide nanoparticles after injection of labelled stem cells. Nanoscale Advances, 2019, 1, 367-377.	4.6	16
30	Firefly luciferase offers superior performance to AkaLuc for tracking the fate of administered cell therapies. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 796-808.	6.4	16
31	<i>Undulated short-tail</i> Deletion Mutation in the Mouse Ablates <i>Pax1</i> and Leads to Ectopic Activation of Neighboring <i>Nkx2-2</i> in Domains That Normally Express <i>Pax1</i> . Genetics, 2003, 165, 299-307.	2.9	16
32	Extracellular matrix scaffolds as a platform for kidney regeneration. European Journal of Pharmacology, 2016, 790, 21-27.	3.5	15
33	The potential of small chemical functional groups for directing the differentiation of kidney stem cells. Biochemical Society Transactions, 2010, 38, 1062-1066.	3.4	13
34	Measuring Kidney Perfusion, pH, and Renal Clearance Consecutively Using MRI and Multispectral Optoacoustic Tomography. Molecular Imaging and Biology, 2020, 22, 494-503.	2.6	13
35	Mesenchymal stromal cells: what have we learned so far about their therapeutic potential and mechanisms of action?. Emerging Topics in Life Sciences, 2021, 5, 549-562.	2.6	12
36	Autologous Cells for Kidney Bioengineering. Current Transplantation Reports, 2016, 3, 207-220.	2.0	10

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37	Multimodal Imaging Techniques Show Differences in Homing Capacity Between Mesenchymal Stromal Cells and Macrophages in Mouse Renal Injury Models. <i>Molecular Imaging and Biology</i> , 2020, 22, 904-913.	2.6	10
38	Optimising the use of medicines to reduce acute kidney injury in children and babies. , 2017, 174, 55-62.		8
39	A Noninvasive Imaging Toolbox Indicates Limited Therapeutic Potential of Conditionally Activated Macrophages in a Mouse Model of Multiple Organ Dysfunction. <i>Stem Cells International</i> , 2019, 2019, 1-13.	2.5	7
40	Tools and Techniques for Wt1-Based Lineage Tracing. <i>Methods in Molecular Biology</i> , 2016, 1467, 41-59.	0.9	7
41	Perylene Diimide Nanoprobes for In Vivo Tracking of Mesenchymal Stromal Cells Using Photoacoustic Imaging. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27930-27939.	8.0	5
42	Regenerative medicine therapies: lessons from the kidney. <i>Current Opinion in Physiology</i> , 2020, 14, 41-47.	1.8	5
43	Restricted differentiative capacity of Wt1-expressing peritoneal mesothelium in postnatal and adult mice. <i>Scientific Reports</i> , 2021, 11, 15940.	3.3	5
44	Murine models of renal ischemia reperfusion injury: An opportunity for refinement using noninvasive monitoring methods. <i>Physiological Reports</i> , 2022, 10, e15211.	1.7	5
45	Amniotic Fluid Stem Cells within Chimeric Kidney Rudiments Differentiate to Functional Podocytes after Transplantation into Mature Rat Kidneys. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 1266-1268.	6.1	1
46	Nephron Progenitors. , 2017, , 1053-1065.		1
47	Expression of neurones and neuronal precursors in the transition zone of short-segment Hirschsprungâ€™s disease. <i>Clinical Medicine</i> , 2020, 20, s105-s106.	1.9	0