

# Ralph Witzgall

## List of Publications by Year in descending order

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44  
papers

2,327  
citations

304602

22  
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243529

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46  
docs citations

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times ranked

2347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polycystin-2 is an intracellular calcium release channel. <i>Nature Cell Biology</i> , 2002, 4, 191-197.	4.6	637
2	Identification and Characterization of Polycystin-2, the PKD2 Gene Product. <i>Journal of Biological Chemistry</i> , 1999, 274, 28557-28565.	1.6	329
3	Molecular insights into lipid-assisted Ca <sup>2+</sup> regulation of the TRP channel Polycystin-2. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 123-130.	3.6	105
4	The LIM-homeodomain transcription factor Lmx1b plays a crucial role in podocytes. <i>Journal of Clinical Investigation</i> , 2002, 109, 1073-1082.	3.9	100
5	Polycystin-2 takes different routes to the somatic and ciliary plasma membrane. <i>Journal of Cell Biology</i> , 2011, 192, 631-645.	2.3	82
6	Urinary clusterin levels in the rat correlate with the severity of tubular damage and may help to differentiate between glomerular and tubular injuries. <i>Cell and Tissue Research</i> , 2002, 310, 289-296.	1.5	79
7	A possible role for metalloproteinases in renal cyst development. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 280, F540-F550.	1.3	75
8	The LIM-homeodomain transcription factor Lmx1b plays a crucial role in podocytes. <i>Journal of Clinical Investigation</i> , 2002, 109, 1073-1082.	3.9	72
9	Integration of Cistromic and Transcriptomic Analyses Identifies Nphs2, Mafb, and Magi2 as Wilms's Tumor 1 Target Genes in Podocyte Differentiation and Maintenance. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 2118-2128.	3.0	67
10	PIGEA-14, a Novel Coiled-coil Protein Affecting the Intracellular Distribution of Polycystin-2. <i>Journal of Biological Chemistry</i> , 2004, 279, 35009-35016.	1.6	64
11	Intravital Imaging Reveals Angiotensin II-Induced Transcytosis of Albumin by Podocytes. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 731-744.	3.0	63
12	A Truncated Polycystin-2 Protein Causes Polycystic Kidney Disease and Retinal Degeneration in Transgenic Rats. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 2719-2730.	3.0	62
13	The podocyte-specific inactivation of Lmx1b, Ldb1 and E2a yields new insight into a transcriptional network in podocytes. <i>Developmental Biology</i> , 2007, 304, 701-712.	0.9	60
14	LMX1B is Essential for the Maintenance of Differentiated Podocytes in Adult Kidneys. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 1830-1848.	3.0	60
15	Kidney Podocytes as Specific Targets for cyclo(RGDfC)-Modified Nanoparticles. <i>Small</i> , 2012, 8, 3368-3375.	5.2	42
16	An endocytosis defect as a possible cause of proteinuria in polycystic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 280, F244-F253.	1.3	39
17	Distinct functions of Crumbs regulating slit diaphragms and endocytosis in <i>Drosophila</i> nephrocytes. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 4573-4586.	2.4	37
18	Green mamba peptide targets type-2 vasopressin receptor against polycystic kidney disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7154-7159.	3.3	33

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19	Polycystin-2â€”an intracellular or plasma membrane channel?. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2005, 371, 342-347.	1.4	28
20	The LIM-homeodomain transcription factor LMX1B regulates expression of NF-kappa B target genes. <i>Experimental Cell Research</i> , 2009, 315, 76-96.	1.2	28
21	Nail-patella syndrome. <i>Pflugers Archiv European Journal of Physiology</i> , 2017, 469, 927-936.	1.3	27
22	Advanced electron microscopic techniques provide a deeper insight into the peculiar features of podocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 309, F1082-F1089.	1.3	23
23	The rat Pkd2 protein assumes distinct subcellular distributions in different organs. <i>American Journal of Physiology - Renal Physiology</i> , 1999, 277, F914-F925.	1.3	20
24	New Developments in the Field of Cystic Kidney Diseases. <i>Current Molecular Medicine</i> , 2005, 5, 455-465.	0.6	19
25	Role of Transcription Factors in Podocytes. <i>Nephron Experimental Nephrology</i> , 2007, 106, e60-e66.	2.4	18
26	Golgi bypass of ciliary proteins. <i>Seminars in Cell and Developmental Biology</i> , 2018, 83, 51-58.	2.3	16
27	Adenovirus-Mimetic Nanoparticles: Sequential Ligandâ€”Receptor Interplay as a Universal Tool for Enhanced In Vitro/In Vivo Cell Identification. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 34689-34702.	4.0	14
28	Use of the Tetracycline System for Inducible Protein Synthesis in the Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 2042-2051.	3.0	13
29	How are podocytes affected in nailâ€”patella syndrome?. <i>Pediatric Nephrology</i> , 2008, 23, 1017-1020.	0.9	13
30	Dual-axis STEM tomography at 200 kV: Setup, performance, limitations. <i>Journal of Structural Biology</i> , 2020, 211, 107551.	1.3	11
31	The human polycystin-2 protein represents an integral membrane protein with six membrane-spanning domains and intracellular N- and C-termini. <i>Biochemical Journal</i> , 2011, 433, 285-294.	1.7	10
32	Electron microscopy of <i>Drosophila</i> garland cell nephrocytes: Optimal preparation, immunostaining and STEM tomography. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 8011-8021.	1.2	10
33	An ever-expanding story of cyst formation. <i>Cell and Tissue Research</i> , 2000, 300, 361-371.	1.5	9
34	Doxycycline accelerates renal cyst growth and fibrosis in the pcy/pcy mouse model of type 3 nephronophthisis, a form of recessive polycystic kidney disease. <i>Histochemistry and Cell Biology</i> , 2009, 132, 199-210.	0.8	9
35	Mesangial cells regulate the single nephron GFR and preserve the integrity of the glomerular filtration barrier: An intravital multiphoton microscopy study. <i>Acta Physiologica</i> , 2021, 231, e13592.	1.8	8
36	A Founder Mutation in EHD1 Presents with Tubular Proteinuria and Deafness. <i>Journal of the American Society of Nephrology: JASN</i> , 2022, 33, 732-745.	3.0	7

#	ARTICLE	IF	CITATIONS
37	Impaired endocytosis may represent an obstacle to gene therapy in polycystic kidney disease. <i>Kidney International</i> , 2002, 61, S132-S137.	2.6	6
38	Phosphorylation of C-terminal polycystin-2 influences the interaction with PIGEA14: A QCM study based on solid supported membranes. <i>Biochemical and Biophysical Research Communications</i> , 2013, 437, 532-537.	1.0	6
39	Subcellular localization of the chemotherapeutic agent doxorubicin in renal epithelial cells and in tumor cells using correlative light and electron microscopy. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 73, 157-167.	0.9	6
40	Kid-1 expression is high in differentiated renal proximal tubule cells and suppressed in cyst epithelia. <i>American Journal of Physiology - Renal Physiology</i> , 1998, 275, F928-F937.	1.3	5
41	Casein kinase 1 $\mu$ and 1 $\delta$ as novel players in polycystic kidney disease and mechanistic targets for (R)-roscovitine and (S)-CR8. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F57-F73.	1.3	4
42	On-section correlative light and electron microscopy of large cellular volumes using STEM tomography. <i>Methods in Cell Biology</i> , 2021, 162, 171-203.	0.5	4
43	Photochemically Active Fluorophore-DNA/RNA Conjugates for Cellular Imaging of Nucleic Acids by Readout in Electron Microscopy. <i>ChemistryOpen</i> , 2013, 2, 136-140.	0.9	2
44	A polycystin-2 protein with modified channel properties leads to an increased diameter of renal tubules and to renal cysts. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	2