

Janos Peti-Peterdi

List of Publications by Year in descending order

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147
papers

7,240
citations

43973

48
h-index

58464

82
g-index

178
all docs

178
docs citations

178
times ranked

6410
citing authors

#	ARTICLE	IF	CITATIONS
1	Olfactory receptor responding to gut microbiota-derived signals plays a role in renin secretion and blood pressure regulation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4410-4415.	3.3	893
2	Angiotensin II Directly Stimulates ENaC Activity in the Cortical Collecting Duct via AT1 Receptors. Journal of the American Society of Nephrology: JASN, 2002, 13, 1131-1135.	3.0	281
3	Macula densa cell signaling involves ATP release through a maxi anion channel. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4322-4327.	3.3	263
4	Succinate receptor GPR91 provides a direct link between high glucose levels and renin release in murine and rabbit kidney. Journal of Clinical Investigation, 2008, 118, 2526-34.	3.9	237
5	Loss of the Endothelial Glycocalyx Links Albuminuria and Vascular Dysfunction. Journal of the American Society of Nephrology: JASN, 2012, 23, 1339-1350.	3.0	206
6	The absence of intrarenal ACE protects against hypertension. Journal of Clinical Investigation, 2013, 123, 2011-2023.	3.9	176
7	The Collecting Duct Is the Major Source of Prorenin in Diabetes. Hypertension, 2008, 51, 1597-1604.	1.3	153
8	Quantitative imaging of basic functions in renal (patho)physiology. American Journal of Physiology - Renal Physiology, 2006, 291, F495-F502.	1.3	144
9	Tracking the fate of glomerular epithelial cells in vivo using serial multiphoton imaging in new mouse models with fluorescent lineage tags. Nature Medicine, 2013, 19, 1661-1666.	15.2	143
10	Calcium wave of tubuloglomerular feedback. American Journal of Physiology - Renal Physiology, 2006, 291, F473-F480.	1.3	142
11	A High-Powered View of the Filtration Barrier. Journal of the American Society of Nephrology: JASN, 2010, 21, 1835-1841.	3.0	140
12	Macula Densa Sensing and Signaling Mechanisms of Renin Release. Journal of the American Society of Nephrology: JASN, 2010, 21, 1093-1096.	3.0	134
13	Activation of the Succinate Receptor GPR91 in Macula Densa Cells Causes Renin Release. Journal of the American Society of Nephrology: JASN, 2009, 20, 1002-1011.	3.0	127
14	Luminal NaCl delivery regulates basolateral PGE2 release from macula densa cells. Journal of Clinical Investigation, 2003, 112, 76-82.	3.9	127
15	Macula Densa Cell Signaling. Annual Review of Physiology, 2003, 65, 481-500.	5.6	118
16	Connexins and the kidney. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1143-R1155.	0.9	118
17	Laminar flow downregulates Notch activity to promote lymphatic sprouting. Journal of Clinical Investigation, 2017, 127, 1225-1240.	3.9	113
18	Multiphoton Imaging of the Glomerular Permeability of Angiotensinogen. Journal of the American Society of Nephrology: JASN, 2012, 23, 1847-1856.	3.0	108

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19	Connexin 30 Deficiency Impairs Renal Tubular ATP Release and Pressure Natriuresis. Journal of the American Society of Nephrology: JASN, 2009, 20, 1724-1732.	3.0	107
20	Renal H^+ -intercalated cells maintain body fluid and electrolyte balance. Journal of Clinical Investigation, 2013, 123, 4219-4231.	3.9	107
21	Angiotensin I Conversion to Angiotensin II Stimulates Cortical Collecting Duct Sodium Transport. Hypertension, 2003, 42, 195-199.	1.3	97
22	Renal intercalated cells are rather energized by a proton than a sodium pump. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7928-7933.	3.3	92
23	Localization of the succinate receptor in the distal nephron and its signaling in polarized MDCK cells. Kidney International, 2009, 76, 1258-1267.	2.6	91
24	Two-photon excitation fluorescence imaging of the living juxtaglomerular apparatus. American Journal of Physiology - Renal Physiology, 2002, 283, F197-F201.	1.3	80
25	Macula densa Na^+/H^+ exchange activities mediated by apical NHE2 and basolateral NHE4 isoforms. American Journal of Physiology - Renal Physiology, 2000, 278, F452-F463.	1.3	78
26	Sustained Calcium Entry through P2X Nucleotide Receptor Channels in Human Airway Epithelial Cells. Journal of Biological Chemistry, 2003, 278, 13398-13408.	1.6	77
27	Real-time imaging of renin release in vitro. American Journal of Physiology - Renal Physiology, 2004, 287, F329-F335.	1.3	77
28	High glucose and renin release: the role of succinate and GPR91. Kidney International, 2010, 78, 1214-1217.	2.6	77
29	Intravital imaging of podocyte calcium in glomerular injury and disease. Journal of Clinical Investigation, 2014, 124, 2050-2058.	3.9	76
30	Activation of the renal renin-angiotensin system in diabetes--new concepts. Nephrology Dialysis Transplantation, 2008, 23, 3047-3049.	0.4	75
31	Macula densa basolateral ATP release is regulated by luminal $[\text{NaCl}]$ and dietary salt intake. American Journal of Physiology - Renal Physiology, 2004, 286, F1054-F1058.	1.3	70
32	Localization of connexin 30 in the luminal membrane of cells in the distal nephron. American Journal of Physiology - Renal Physiology, 2005, 289, F1304-F1312.	1.3	65
33	Evidence for restriction of fluid and solute movement across the glomerular capillary wall by the subpodocyte space. American Journal of Physiology - Renal Physiology, 2007, 293, F1777-F1786.	1.3	63
34	Intrarenal localization of the plasma membrane ATP channel pannexin1. American Journal of Physiology - Renal Physiology, 2012, 303, F1454-F1459.	1.3	63
35	Oligomeric Structure and Minimal Functional Unit of the Electrogenic Sodium Bicarbonate Cotransporter NBCe1-A. Journal of Biological Chemistry, 2008, 283, 26782-26794.	1.6	62
36	Independent two-photon measurements of albumin GSC give low values. American Journal of Physiology - Renal Physiology, 2009, 296, F1255-F1257.	1.3	62

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37	Purinergic Inhibition of ENaC Produces Aldosterone Escape. Journal of the American Society of Nephrology: JASN, 2010, 21, 1903-1911.	3.0	62
38	Luminal NaCl delivery regulates basolateral PGE2 release from macula densa cells. Journal of Clinical Investigation, 2003, 112, 76-82.	3.9	62
39	A New Look at Electrolyte Transport in the Distal Tubule. Annual Review of Physiology, 2012, 74, 325-349.	5.6	61
40	In Vivo Developmental Trajectories of Human Podocyte Inform In Vitro Differentiation of Pluripotent Stem Cell-Derived Podocytes. Developmental Cell, 2019, 50, 102-116.e6.	3.1	60
41	The first decade of using multiphoton microscopy for high-power kidney imaging. American Journal of Physiology - Renal Physiology, 2012, 302, F227-F233.	1.3	59
42	Connexin 40 and ATP-dependent intercellular calcium wave in renal glomerular endothelial cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1769-R1776.	0.9	58
43	Connexin45 is expressed in the juxtaglomerular apparatus and is involved in the regulation of renin secretion and blood pressure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R371-R380.	0.9	57
44	Orai1 Activates Proliferation of Lymphatic Endothelial Cells in Response to Laminar Flow Through KrÄppel-Like Factors 2 and 4. Circulation Research, 2017, 120, 1426-1439.	2.0	55
45	Neuronal Nitric Oxide Synthase: Its Role and Regulation in Macula Densa Cells. Journal of the American Society of Nephrology: JASN, 2003, 14, 2475-2483.	3.0	54
46	Angiotensin receptor-mediated oxidative stress is associated with impaired cardiac redox signaling and mitochondrial function in insulin-resistant rats. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H599-H607.	1.5	54
47	Novel regulation of cell [Na ⁺] in macula densa cells: apical Na ⁺ recycling by H-K-ATPase. American Journal of Physiology - Renal Physiology, 2002, 282, F324-F329.	1.3	53
48	Multiphoton imaging of renal tissues in vitro. American Journal of Physiology - Renal Physiology, 2005, 288, F1079-F1083.	1.3	53
49	Angiotensin II directly stimulates macula densa Na-2Cl-K cotransport via apical AT1 receptors. American Journal of Physiology - Renal Physiology, 2002, 282, F301-F306.	1.3	49
50	P2Y12 Receptor Localizes in the Renal Collecting Duct and Its Blockade Augments Arginine Vasopressin Action and Alleviates Nephrogenic Diabetes Insipidus. Journal of the American Society of Nephrology: JASN, 2015, 26, 2978-2987.	3.0	49
51	Aldosterone induces albuminuria via matrix metalloproteinase-dependent damage of the endothelial glycocalyx. Kidney International, 2019, 95, 94-107.	2.6	49
52	Multiphoton Imaging of Renal Regulatory Mechanisms. Physiology, 2009, 24, 88-96.	1.6	48
53	Novel in vivo techniques to visualize kidney anatomy and function. Kidney International, 2015, 88, 44-51.	2.6	48
54	Electrotonic vascular signal conduction and nephron synchronization. American Journal of Physiology - Renal Physiology, 2009, 296, F751-F761.	1.3	47

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55	On the Origin of Urinary Renin. <i>Hypertension</i> , 2016, 67, 927-933.	1.3	46
56	Fluid flow in the juxtaglomerular interstitium visualized in vivo. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, F1241-F1247.	1.3	45
57	Regulation of macula densa Na:H exchange by angiotensin II. <i>Kidney International</i> , 1998, 54, 2021-2028.	2.6	44
58	ATP Releasing Connexin 30 Hemichannels Mediate Flow-Induced Calcium Signaling in the Collecting Duct. <i>Frontiers in Physiology</i> , 2013, 4, 292.	1.3	43
59	Immunolocalization of a microsomal prostaglandin E synthase in rabbit kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 285, F558-F564.	1.3	41
60	Cytosolic [Ca ²⁺] signaling pathway in macula densa cells. <i>American Journal of Physiology - Renal Physiology</i> , 1999, 277, F472-F476.	1.3	40
61	Local pH domains regulate NHE3-mediated Na ⁺ reabsorption in the renal proximal tubule. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F1249-F1262.	1.3	40
62	Symmetry breaking of tissue mechanics in wound induced hair follicle regeneration of laboratory and spiny mice. <i>Nature Communications</i> , 2021, 12, 2595.	5.8	40
63	Purinergic Receptor Signaling at the Basolateral Membrane of Macula Densa Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 1145-1151.	3.0	39
64	Maintenance of vascular integrity by pericytes is essential for normal kidney function. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F1230-F1242.	1.3	39
65	Tracking the stochastic fate of cells of the renin lineage after podocyte depletion using multicolor reporters and intravital imaging. <i>PLoS ONE</i> , 2017, 12, e0173891.	1.1	39
66	A Novel Source of Cultured Podocytes. <i>PLoS ONE</i> , 2013, 8, e81812.	1.1	39
67	Diminished Paracrine Regulation of the Epithelial Na ⁺ Channel by Purinergic Signaling in Mice Lacking Connexin 30. <i>Journal of Biological Chemistry</i> , 2011, 286, 1054-1060.	1.6	35
68	Direct demonstration of tubular fluid flow sensing by macula densa cells. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, F1087-F1093.	1.3	33
69	The macula densa prorenin receptor is essential in renin release and blood pressure control. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F521-F534.	1.3	33
70	Regulation of Vascular and Renal Function by Metabolite Receptors. <i>Annual Review of Physiology</i> , 2016, 78, 391-414.	5.6	32
71	Imaging Renin Content and Release in the Living Kidney. <i>Nephron Physiology</i> , 2006, 103, p71-p74.	1.5	30
72	Increased renal renin content in mice lacking the Na ⁺ /H ⁺ exchanger NHE2. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F937-F944.	1.3	30

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73	Metabolic control of renin secretion. Pflugers Archiv European Journal of Physiology, 2013, 465, 53-58.	1.3	28
74	Loss of renal microvascular integrity in postnatal Crim1 hypomorphic transgenic mice. Kidney International, 2009, 76, 1161-1171.	2.6	27
75	Imaging the renin-angiotensin system: An important target of anti-hypertensive therapy. Advanced Drug Delivery Reviews, 2006, 58, 824-833.	6.6	25
76	Characterization of connexin30.3-deficient mice suggests a possible role of connexin30.3 in olfaction. European Journal of Cell Biology, 2007, 86, 683-700.	1.6	25
77	Angiotensin Receptor Blockade Recovers Hepatic UCP2 Expression and Aconitase and SDH Activities and Ameliorates Hepatic Oxidative Damage in Insulin Resistant Rats. Endocrinology, 2012, 153, 5746-5759.	1.4	23
78	Long-Term Cell Fate Tracking of Individual Renal Cells Using Serial Intravital Microscopy. Methods in Molecular Biology, 2019, 2150, 25-44.	0.4	23
79	Connexin 30.3 Is Expressed in the Kidney But Not Regulated by Dietary Salt or High Blood Pressure. Cell Communication and Adhesion, 2008, 15, 219-230.	1.0	21
80	Angiotensin receptor blockade improves cardiac mitochondrial activity in response to an acute glucose load in obese insulin resistant rats. Redox Biology, 2018, 14, 371-378.	3.9	20
81	Calcineurin-inhibition Results in Upregulation of Local Renin and Subsequent Vascular Endothelial Growth Factor Production in Renal Collecting Ducts. Transplantation, 2016, 100, 325-333.	0.5	19
82	Advances in Renal Cell Imaging. Seminars in Nephrology, 2018, 38, 52-62.	0.6	19
83	Heterogeneity of the afferent arteriole correlations between morphology and function. Nephrology Dialysis Transplantation, 2006, 21, 2703-2707.	0.4	18
84	Clopidogrel attenuates lithium-induced alterations in renal water and sodium channels/transporters in mice. Purinergic Signalling, 2015, 11, 507-518.	1.1	17
85	Intravital imaging in the kidney. Current Opinion in Nephrology and Hypertension, 2016, 25, 168-173.	1.0	16
86	Essential role and therapeutic targeting of the glomerular endothelial glycocalyx in lupus nephritis. JCI Insight, 2020, 5, .	2.3	16
87	Mitochondrial TCA cycle intermediates regulate body fluid and acid-base balance. Journal of Clinical Investigation, 2013, 123, 2788-2790.	3.9	15
88	Just Look! Intravital Microscopy as the Best Means to Study Kidney Cell Death Dynamics. Seminars in Nephrology, 2016, 36, 220-236.	0.6	14
89	A new view of macula densa cell microanatomy. American Journal of Physiology - Renal Physiology, 2021, 320, F492-F504.	1.3	13
90	Cellular localization of adenine receptors in the rat kidney and their functional significance in the inner medullary collecting duct. American Journal of Physiology - Renal Physiology, 2013, 305, F1298-F1305.	1.3	12

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91	Serial intravital imaging captures dynamic and functional endothelial remodeling with single-cell resolution. JCI Insight, 2021, 6, .	2.3	12
92	Interleukin-2-Dependent Mechanisms Are Involved in the Development of Glomerulosclerosis after Partial Renal Ablation in Rats. Nephron Experimental Nephrology, 2001, 9, 133-141.	2.4	11
93	Confocal imaging and function of the juxtaglomerular apparatus. Current Opinion in Nephrology and Hypertension, 2005, 14, 53-57.	1.0	11
94	Combined use of electron microscopy and intravital imaging captures morphological and functional features of podocyte detachment. Pflügers Archiv European Journal of Physiology, 2017, 469, 965-974.	1.3	11
95	Novel fluorescence techniques to quantitate renal cell biology. Methods in Cell Biology, 2019, 154, 85-107.	0.5	11
96	Newly Stemming Functions of Macula Densaâ€Derived Prostanoids. Hypertension, 2015, 65, 987-988.	1.3	10
97	Prasugrel suppresses development of lithium-induced nephrogenic diabetes insipidus in mice. Purinergic Signalling, 2017, 13, 239-248.	1.1	10
98	From In Vitro to In Vivo: Imaging from the Single Cell to the Whole Organism. Current Protocols in Cytometry, 2008, 44, Unit 12.12.	3.7	8
99	A Mouse Model That Reproduces the Developmental Pathways and Site Specificity of the Cancers Associated With the Human BRCA1 Mutation Carrier State. EBioMedicine, 2015, 2, 1318-1330.	2.7	8
100	Recent advances in tissue pro renin imaging. Frontiers in Bioscience - Elite, 2010, E2, 1227-1233.	0.9	8
101	Confocal and Two-Photon Microscopy. , 2003, 86, 129-138.		7
102	Renal Stem Cells, Tissue Regeneration, and Stem Cell Therapies for Renal Diseases. Stem Cells International, 2015, 2015, 1-2.	1.2	7
103	A new view of macula densa cell protein synthesis. American Journal of Physiology - Renal Physiology, 2021, 321, F689-F704.	1.3	7
104	Intravital imaging reveals glomerular capillary distension and endothelial and immune cell activation early in Alport syndrome. JCI Insight, 2022, 7, .	2.3	7
105	The role of TRPC6 calcium channels and P2 purinergic receptors in podocyte mechanical and metabolic sensing. Physiology International, 2022, 109, 31-45.	0.8	6
106	Hemodynamics of gastric microcirculation in rats. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H1404-H1410.	1.5	5
107	Can Kidney Regeneration Be Visualized. Nephron Experimental Nephrology, 2014, 126, 86-90.	2.4	5
108	Genetic Deletion of P2Y2 Receptor Offers Long-Term (5 Months) Protection Against Lithium-Induced Polyuria, Natriuresis, Kaliuresis, and Collecting Duct Remodeling and Cell Proliferation. Frontiers in Physiology, 2018, 9, 1765.	1.3	5

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109	New Endothelial Mechanisms in Glomerular (Patho)biology and Proteinuria Development Captured by Intravital Multiphoton Imaging. <i>Frontiers in Medicine</i> , 2021, 8, 765356.	1.2	4
110	An ectopic renin-secreting adrenal corticoadenoma in a child with malignant hypertension. <i>Physiological Reports</i> , 2016, 4, e12728.	0.7	3
111	A practical new way to measure kidney fibrosis. <i>Kidney International</i> , 2016, 90, 941-942.	2.6	3
112	In vivo microscopy. <i>Nephrologie Et Therapeutique</i> , 2016, 12, S21-S24.	0.2	3
113	Phenotypic dissection of the mouse <i>Ren1d</i> knockout by complementation with human renin. <i>Journal of Biological Chemistry</i> , 2018, 293, 1151-1162.	1.6	3
114	Renomedullary Interstitial Cell Endothelin A Receptors Regulate BP and Renal Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 1555-1568.	3.0	3
115	Localization and proliferation of lymphatic vessels in the tympanic membrane in normal state and regeneration. <i>Biochemical and Biophysical Research Communications</i> , 2013, 440, 371-373.	1.0	2
116	Prox1 expression in the endolymphatic sac revealed by whole-mount fluorescent imaging of Prox1-GFP transgenic mice. <i>Biochemical and Biophysical Research Communications</i> , 2015, 457, 19-22.	1.0	2
117	A true champion of Hungarian kidney research and nephrology education – Tribute to László Rosivall. <i>Acta Physiologica Hungarica</i> , 2009, 96, 375-382.	0.9	1
118	Intercellular Junctions. , 2013, , 347-368.		1
119	ATP-mediated intercellular calcium wave in renal (juxta)glomerular endothelial cells (GENC). <i>FASEB Journal</i> , 2007, 21, A499.	0.2	1
120	Uric acid acutely triggers renin release and causes glomerular hyperfiltration. <i>FASEB Journal</i> , 2007, 21, A502.	0.2	1
121	Pannexin1 is a novel renal ATP release mechanism. <i>FASEB Journal</i> , 2010, 24, 606.27.	0.2	1
122	An important role of renal angiotensin-converting enzyme in the development of salt sensitivity during renal parenchyma inflammation. <i>FASEB Journal</i> , 2013, 27, 909.8.	0.2	1
123	A novel tool to visualize the cell secretory pathway. Focus on a fluorimetry-based ssYFP secretion assay to monitor vasopressin-induced exocytosis in LLC-PK ₁ cells expressing aquaporin-2. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C1473-C1473.	2.1	0
124	Imaging of Glomerular Regeneration. , 2017, , 1005-1011.		0
125	In vivo imaging of the kidney in early diabetes. <i>FASEB Journal</i> , 2006, 20, A1170.	0.2	0
126	Intra-renal localization of Connexin 30.3. <i>FASEB Journal</i> , 2006, 20, A766.	0.2	0

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127	Localization of connexin 45 in the kidney. FASEB Journal, 2007, 21, A1333.	0.2	0
128	GPR91 triggers paracrine signaling in the JGA. FASEB Journal, 2007, 21, A498.	0.2	0
129	Multiphoton imaging of sub-epithelial space in isolated perfused glomeruli. FASEB Journal, 2007, 21, A503.	0.2	0
130	Direct demonstration of tubular fluid flow sensing by macula densa cells. FASEB Journal, 2008, 22, 761.28.	0.2	0
131	(Pro)renin Receptor Activation Causes Acute Production of Macula Densa Prostaglandins. FASEB Journal, 2008, 22, 761.29.	0.2	0
132	Localization and function of connexin 45 in the renal cortical vasculature. FASEB Journal, 2008, 22, 761.9.	0.2	0
133	Macula densa cells detect altered tissue metabolism via succinate and GPR91. FASEB Journal, 2008, 22, 761.17.	0.2	0
134	Bradykinin stimulates renal collecting duct prorenin. FASEB Journal, 2009, 23, 804.16.	0.2	0
135	Urinary renin activity as a novel biomarker for diabetic nephropathy. FASEB Journal, 2011, 25, 664.14.	0.2	0
136	Localization and signaling of FPR2 in the kidney. FASEB Journal, 2011, 25, 666.11.	0.2	0
137	Development of a renal collecting duct homing peptide using phage display. FASEB Journal, 2011, 25, 665.19.	0.2	0
138	Succinate activates the collecting duct renin-angiotensin system (RAS). FASEB Journal, 2011, 25, 664.15.	0.2	0
139	REGULAR OSCILLATIONS IN PODOCYTE CALCIUM IN VIVO. FASEB Journal, 2011, 25, .	0.2	0
140	REGULATION OF ENaC BY ATP RELEASE THROUGH Cx30 IS REQUIRED FOR ALDOSTERONE ESCAPE. FASEB Journal, 2011, 25, 1041.7.	0.2	0
141	The role of GPR91 in the Akita model of diabetic nephropathy (DN). FASEB Journal, 2012, 26, 876.12.	0.2	0
142	The Classic Renovascular (Goldblatt) Hypertension (RVHT) is Mediated by Succinate/GPR91 Signaling. FASEB Journal, 2012, 26, 690.22.	0.2	0
143	Glomerular Endothelial Cell Calcium Dynamics Visualized in vivo. FASEB Journal, 2018, 32, 721.18.	0.2	0
144	nNOS in Embryonic Kidney Contributes to Glomerular Maturation. FASEB Journal, 2018, 32, 721.17.	0.2	0

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145	Wnt signaling regulates macula densa structure and function. FASEB Journal, 2018, 32, 721.14.	0.2	0
146	Imaging of Glomerular Endothelial Cell Calcium Dynamics in vivo Identifies Endothelial Progenitor Cell Subpopulation. FASEB Journal, 2019, 33, 751.1.	0.2	0
147	Macula densa cells control glomerular immune cell homing. FASEB Journal, 2022, 36, .	0.2	0