Peter Hansell

List of Publications by Year in descending order

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		172457	144013
127	3,788	29	57
papers	citations	h-index	g-index
128	128	128	3624
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Thyroid hormone increases oxygen metabolism causing intrarenal tissue hypoxia; a pathway to kidney disease. PLoS ONE, 2022, 17, e0264524.	2.5	5
2	Hans R Ulfendahl (1927â€2021)—Obituary. Acta Physiologica, 2021, 232, e13653.	3.8	0
3	Circadian variation in renal blood flow and kidney function in healthy volunteers monitored with noninvasive magnetic resonance imaging. American Journal of Physiology - Renal Physiology, 2020, 319, F966-F978.	2.7	12
4	Intrarenal oxygenation determines kidney function during the recovery from an ischemic insult. American Journal of Physiology - Renal Physiology, 2020, 319, F1067-F1072.	2.7	4
5	Erik Persson (1941â€⊋020) – a Remembrance. Acta Physiologica, 2020, 230, 1-2.	3.8	O
6	Renomedullary Interstitial Cell Endothelin A Receptors Regulate BP and Renal Function. Journal of the American Society of Nephrology: JASN, 2020, 31, 1555-1568.	6.1	3
7	Role of carbonic anhydrase in acute recovery following renal ischemia reperfusion injury. PLoS ONE, 2019, 14, e0220185.	2.5	3
8	Multiparametric assessment of renal physiology in healthy volunteers using noninvasive magnetic resonance imaging. American Journal of Physiology - Renal Physiology, 2019, 316, F693-F702.	2.7	19
9	Normobaric hyperoxia ameliorates renal ischemia reperfusion injury in rats. FASEB Journal, 2019, 33, 566.8.	0.5	O
10	Deletion of Uncoupling Proteinâ€2 reduces renal mitochondrial leak respiration, intrarenal hypoxia and proteinuria in a mouse model of type 1 diabetes. Acta Physiologica, 2018, 223, e13058.	3.8	19
11	Inhibition of mammalian target of rapamycin decreases intrarenal oxygen availability and alters glomerular permeability. American Journal of Physiology - Renal Physiology, 2018, 314, F864-F872.	2.7	7
12	Nonâ€invasive Multiparametric MRI of the Kidneys. FASEB Journal, 2018, 32, 851.8.	0.5	0
13	Cellular transport of <scp>I </scp> -arginine determines renal medullary blood flow in control rats, but not in diabetic rats despite enhanced cellular uptake capacity. American Journal of Physiology - Renal Physiology, 2017, 312, F278-F283.	2.7	4
14	Hyaluronan Production by Renomedullary Interstitial Cells: Influence of Endothelin, Angiotensin II and Vasopressin. International Journal of Molecular Sciences, 2017, 18, 2701.	4.1	8
15	lodinated contrast media inhibit oxygen consumption in freshly isolated proximal tubular cells from elderly humans and diabetic rats: Influence of nitric oxide. Upsala Journal of Medical Sciences, 2016, 121, 12-16.	0.9	3
16	Adenosine A ₂ a receptor stimulation prevents proteinuria in diabetic rats by promoting an anti-inflammatory phenotype without affecting oxidative stress. Acta Physiologica, 2015, 214, 311-318.	3.8	25
17	High Sensitivity Method to Estimate Distribution of Hyaluronan Molecular Sizes in Small Biological Samples Using Gas-Phase Electrophoretic Mobility Molecular Analysis. International Journal of Cell Biology, 2015, 2015, 1-5.	2.5	4
18	Reduced adenosine A2a receptor–mediated efferent arteriolar vasodilation contributes to diabetes-induced glomerular hyperfiltration. Kidney International, 2015, 87, 109-115.	5.2	21

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19	A role for the extracellular matrix component hyaluronan in kidney dysfunction during <scp>ACE</scp> â€inhibitor fetopathy. Acta Physiologica, 2015, 213, 795-804.	3.8	4
20	Inhibition of mTOR activity in diabetes mellitus reduces proteinuria but not renal accumulation of hyaluronan. Upsala Journal of Medical Sciences, 2015, 120, 233-240.	0.9	7
21	Activation of Hypoxia-Inducible Factors Prevents Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2015, 26, 328-338.	6.1	166
22	Differences in susceptibility to develop parameters of diabetic nephropathy in four mouse strains with type 1 diabetes. American Journal of Physiology - Renal Physiology, 2014, 306, F1171-F1178.	2.7	15
23	l -Citrulline, But Not l -Arginine, Prevents Diabetes Mellitus–Induced Glomerular Hyperfiltration and Proteinuria in Rat. Hypertension, 2014, 64, 323-329.	2.7	19
24	Increased Kidney Metabolism as a Pathway to Kidney Tissue Hypoxia and Damage: Effects of Triiodothyronine and Dinitrophenol in Normoglycemic Rats. Advances in Experimental Medicine and Biology, 2013, 789, 9-14.	1.6	18
25	Determinants of kidney oxygen consumption and their relationship to tissue oxygen tension in diabetes and hypertension. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 123-137.	1.9	216
26	Inhibition of hyaluronan synthesis in rats reduces renal ability to excrete fluid and electrolytes during acute hydration. Upsala Journal of Medical Sciences, 2013, 118, 217-221.	0.9	7
27	Kidney Hypoxia, Attributable to Increased Oxygen Consumption, Induces Nephropathy Independently of Hyperglycemia and Oxidative Stress. Hypertension, 2013, 62, 914-919.	2.7	137
28	<scp>NADPH</scp> â€oxidaseâ€driven oxidative stress during experimental diabetes offsetsNOâ€mediated regulation of renal medullary sodium transport. A potential treatment modality during type 1 diabetes?. Acta Physiologica, 2013, 209, 94-94.	3.8	1
29	Hypoxia in the Diabetic Kidney Is Independent of Advanced Glycation End-Products. Advances in Experimental Medicine and Biology, 2013, 765, 185-193.	1.6	5
30	Adenosine A2 Receptor-Mediated Regulation of Renal Hemodynamics and Glomerular Filtration Rate Is Abolished in Diabetes. Advances in Experimental Medicine and Biology, 2013, 765, 225-230.	1.6	10
31	Intravoxel Incoherent Motion MR Imaging of the Kidney: Pilot Study. Advances in Experimental Medicine and Biology, 2013, 765, 55-58.	1.6	13
32	Renal interstitial hyaluronan: functional aspects during normal and pathological conditions. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R1235-R1249.	1.8	55
33	NADPH oxidase inhibition reduces tubular sodium transport and improves kidney oxygenation in diabetes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R1443-R1449.	1.8	27
34	Insulin induces the correlation between renal blood flow and glomerular filtration rate in diabetes: implications for mechanisms causing hyperfiltration. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R39-R47.	1.8	16
35	Coenzyme Q10 prevents GDP-sensitive mitochondrial uncoupling, glomerular hyperfiltration and proteinuria in kidneys from db/db mice as a model of type 2 diabetes. Diabetologia, 2012, 55, 1535-1543.	6.3	86
36	Renomedullary interstitial hyaluronan is important for hydrationâ€induced diuresis. FASEB Journal, 2012, 26, 1100.1.	0.5	0

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37	Angiotensin converting enzyme inhibition blocks interstitial hyaluronan dissipation in the neonatal rat kidney via hyaluronan synthase 2 and hyaluronidase 1. Matrix Biology, 2011, 30, 62-69.	3.6	8
38	Oxidative Stress and Hypoxia in the Pathogenesis of Diabetic Nephropathy., 2011,, 559-586.		6
39	Increased mitochondrial uncoupling results in renal tissue hypoxia and proteinuria. FASEB Journal, 2011, 25, 664.4.	0.5	0
40	HIF activation fails to restore renal oxygenation in already established diabetic nephropathy. FASEB Journal, 2011, 25, 664.8.	0.5	0
41	NADPH oxidase inhibition reduces tubular Na+ transport and improves kidney oxygenation in diabetic rats. FASEB Journal, 2011, 25, 664.5.	0.5	0
42	The roles of NADPHâ€oxidase and nNOS for the increased oxidative stress and the oxygen consumption in the diabetic kidney. Diabetes/Metabolism Research and Reviews, 2010, 26, 349-356.	4.0	30
43	Tubular reabsorption and diabetesâ€induced glomerular hyperfiltration. Acta Physiologica, 2010, 200, 3-10.	3.8	52
44	Nitric oxide originating from NOS1 controls oxygen utilization and electrolyte transport efficiency in the diabetic kidney. American Journal of Physiology - Renal Physiology, 2010, 298, F416-F420.	2.7	19
45	Uremia induces abnormal oxygen consumption in tubules and aggravates chronic hypoxia of the kidney via oxidative stress. American Journal of Physiology - Renal Physiology, 2010, 299, F380-F386.	2.7	68
46	C-Peptide Normalizes Glomerular Filtration Rate in Hyperfiltrating Conscious Diabetic Rats. Advances in Experimental Medicine and Biology, 2009, 645, 219-225.	1.6	15
47	Hyaluronan synthases and hyaluronidases in the kidney during changes in hydration status. Matrix Biology, 2009, 28, 390-395.	3.6	21
48	Nitric oxide and kidney oxygenation. Current Opinion in Nephrology and Hypertension, 2009, 18, 68-73.	2.0	33
49	Diabetes, Oxidative Stress, Nitric Oxide and Mitochondria Function. Current Diabetes Reviews, 2009, 5, 120-144.	1.3	109
50	Reduced Oxygenation In Diabetic Rat Kidneys Measured By T2* Weighted Magnetic Resonance Micro-Imaging. Advances in Experimental Medicine and Biology, 2009, 645, 199-204.	1.6	27
51	Identification and Distribution of Uncoupling Protein Isoforms in the Normal and Diabetic Rat Kidney. Advances in Experimental Medicine and Biology, 2009, 645, 205-212.	1.6	20
52	lodinated Contrast Media Decrease Renomedullary Blood Flow. Advances in Experimental Medicine and Biology, 2009, 645, 213-218.	1.6	12
53	Hormonal regulation of renomedullary hyaluronan. Acta Physiologica, 2008, 193, 191-198.	3.8	21
54	Determination of the charge of the plasma proteins and consequent Donnan equilibrium across the capillary barriers in the rat microvasculature. Acta Physiologica, 2008, 194, 335-339.	3.8	15

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55	Diabetes-induced up-regulation of uncoupling protein-2 results in increased mitochondrial uncoupling in kidney proximal tubular cells. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 935-940.	1.0	95
56	Reduced nitric oxide in diabetic kidneys due to increased hepatic arginine metabolism: implications for renomedullary oxygen availability. American Journal of Physiology - Renal Physiology, 2008, 294, F30-F37.	2.7	59
57	Uncoupling Protein-2 in Diabetic Kidneys. Advances in Experimental Medicine and Biology, 2008, 614, 37-43.	1.6	15
58	Endothelin-1 and pancreatic islet vasculature: studies in vivo and on isolated, vascularly perfused pancreatic islets. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1616-E1623.	3 . 5	30
59	Hemodynamic effect of iopromide in pancreas-duodenum transplanted rats. Acta Radiologica, 2007, 48, 1125-1130.	1.1	1
60	Radiological contrast media and pancreatic blood perfusion in anesthetized rats. Acta Radiologica, 2007, 48, 1120-1124.	1.1	0
61	Response to †lodixanol vs ioxaglate for preventing contrast nephropathy: who is the winner?'. Kidney International, 2007, 71, 828-829.	5.2	1
62	Evaluation and Comparison Between Visipaque (Iodixanol) and Hexabrix (Ioxaglate) in Coronary Angiography. Journal of the American College of Cardiology, 2007, 49, 1668-1669.	2.8	2
63	Diabetesâ€induced reduction in renal medullary nitric oxide (NO) and oxygen tension (pO 2) due to increased hepatic arginine metabolism and oxidative stress. FASEB Journal, 2007, 21, A841.	0.5	0
64	Endothelin†and pancreatic islet vasculature: studies in vivo and on isolated, vascularly perfused pancreatic islets. FASEB Journal, 2007, 21, A483.	0.5	0
65	NADPHâ€oxidase and nNOS are responsible for the diabetesâ€induced increase in transportâ€dependent renal oxygen consumption. FASEB Journal, 2007, 21, A453.	0.5	O
66	Diabetesâ€induced upâ€regulation of mitochondrial uncoupling proteinâ€2 (UCPâ€2) results in increased ouabainâ€insensitive oxygen consumption (Q _{O2}) by renal proximal tubular (PT) cells. FASEB Journal, 2007, 21, A453.	0.5	0
67	Renal failure in 57925 patients undergoing coronary procedures using iso-osmolar or low-osmolar contrast media. Kidney International, 2006, 70, 1811-1817.	5.2	139
68	Prenatal exposure to interleukinâ€6 results in hypertension and alterations in the renin–angiotensin system of the rat. Journal of Physiology, 2006, 575, 855-867.	2.9	29
69	Lymphatic Vessels in Pancreatic Islets Implanted Under the Renal Capsule of Rats. American Journal of Transplantation, 2006, 6, 680-686.	4.7	19
70	Diabetes-Induced Decrease in Renal Oxygen Tension: Effects of an Altered Metabolism. , 2006, 578, 161-166.		4
71	Pathophysiology of contrast medium–induced nephropathy. Kidney International, 2005, 68, 14-22.	5.2	446
72	Prolactin, a natriuretic hormone, interacting with the renal dopamine system. Kidney International, 2005, 68, 1700-1707.	5.2	43

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73	CNS-induced natriuresis, neurohypophyseal peptides and renal dopamine and noradrenaline excretion in prehypertensive salt-sensitive Dahl rats. Experimental Physiology, 2005, 90, 847-853.	2.0	4
74	Influence of iothalamate on renal medullary perfusion and oxygenation in the rat. Acta Radiologica, 2005, 46, 823-829.	1.1	15
75	Reduced Nitric Oxide Concentration in the Renal Cortex of Streptozotocin-Induced Diabetic Rats: Effects on Renal Oxygenation and Microcirculation. Diabetes, 2005, 54, 3282-3287.	0.6	74
76	Renal Effects of CO2 and Iodinated Contrast Media in Patients Undergoing Renovascular Intervention: A Prospective, Randomized Study. Journal of Vascular and Interventional Radiology, 2005, 16, 57-65.	0.5	45
77	The Effects of Carbon Dioxide versus loxaglate in the Rat Kidney. Journal of Vascular and Interventional Radiology, 2005, 16, 269-274.	0.5	8
78	Renal hyaluronan accumulation and hyaluronan synthase expression after ischaemia-reperfusion injury in the rat. Nephrology Dialysis Transplantation, 2004, 19, 823-830.	0.7	51
79	Adenosine A1 receptors in contrast media-induced renal dysfunction in the normal rat. European Radiology, 2004, 14, 1297-302.	4.5	19
80	Polyol-pathway-dependent disturbances in renal medullary metabolism in experimental insulin-deficient diabetes mellitus in rats. Diabetologia, 2004, 47, 1223-1231.	6.3	80
81	Differentiating between effects of streptozotocinper seand subsequent hyperglycemia on renal function and metabolism in the streptozotocin-diabetic rat model. Diabetes/Metabolism Research and Reviews, 2004, 20, 452-459.	4.0	75
82	Reactive oxygen species cause diabetes-induced decrease in renal oxygen tension. Diabetologia, 2003, 46, 1153-1160.	6.3	284
83	Altered Response in Renal Blood Flow and Oxygen Tension to Contrast Media in Diabetic Rats. Acta Radiologica, 2003, 44, 347-353.	1.1	11
84	Effects of the Contrast Medium lopromide on Renal Hemodynamics and Oxygen Tension in the Diabetic Rat Kidney. Advances in Experimental Medicine and Biology, 2003, 530, 653-659.	1.6	10
85	Reduced natriuretic response to acute sodium loading in COMT gene deleted mice. BMC Physiology, 2002, 2, 14.	3.6	13
86	Vasopressin and hypercalciuria in enuresis: a reappraisal. BJU International, 2002, 90, 725-729.	2.5	28
87	Renomedullary and intestinal hyaluronan content during body water excess: a study in rats and gerbils. Journal of Physiology, 2002, 542, 315-322.	2.9	25
88	Renomedullary interstitial cells in culture; the osmolality and oxygen tension influence the extracellular amounts of hyaluronan and cellular expression of CD44. Matrix Biology, 2001, 20, 129-136.	3.6	27
89	The role of dopamine-metabolizing enzymes in the regulation of renal sodium excretion in the rat. Pflugers Archiv European Journal of Physiology, 2001, 442, 505-510.	2.8	12
90	Fluid balance in patients with chronic renal failure assessed with Nâ€ŧerminal proatrial natriuretic peptide, atrial natriuretic peptide and ultrasonography. Acta Physiologica Scandinavica, 2001, 171, 117-122.	2.2	15

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91	Changing dopaminergic activity through different pathways: consequences for renal sodium excretion, regional blood flow and oxygen tension in the rat. Acta Physiologica Scandinavica, 2001, 172, 219-226.	2.2	7
92	Renal cortical accumulation of hyaluronan in adult rats exposed neonatally to angiotensin-converting enzyme inhibition. Acta Physiologica Scandinavica, 2001, 173, 343-350.	2.2	9
93	Transient Glomerular Hyperfiltration in the Streptozotocin- Diabetic Wistar Furth Rat. Upsala Journal of Medical Sciences, 2001, 106, 175-182.	0.9	14
94	Renal dopamine and noradrenaline excretion during CNS-induced natriuresis in spontaneously hypertensive rats: influence of dietary sodium. Acta Physiologica Scandinavica, 2000, 168, 257-266.	2.2	10
95	Hyaluronan content in the kidney in different states of body hydration. Kidney International, 2000, 58, 2061-2068.	5.2	74
96	Tachyarrhythmias and triggering factors for atrial fibrillation after coronary artery bypass operations. Annals of Thoracic Surgery, 2000, 69, 1064-1069.	1.3	48
97	Regulation of Dopamine-Induced Natriuresisby the Dopamine-Metabolizing Enzyme Catechol-O-Methyltransferase. Nephron Experimental Nephrology, 1999, 7, 314-322.	2.2	12
98	Hypoperfusion in the Renal outer Medulla after Injection of Contrast Media in Rats. Acta Radiologica, 1999, 40, 521-527.	1.1	28
99	Renomedullary interstitial cells regulate hyaluronan turnover depending on growth media osmolality suggesting a role in renal water handling. Acta Physiologica Scandinavica, 1999, 165, 115-116.	2.2	19
100	Different renal effects of two inhibitors of catecholâ€Oâ€methylation in the rat: Entacapone and CGP 28014. Acta Physiologica Scandinavica, 1998, 162, 489-494.	2.2	18
101	Influence of iotrolan on renal cortical and outer medullary blood flow in the rat. Academic Radiology, 1998, 5, S123-S126.	2.5	7
102	Lung density for assessment of hydration status in hemodialysis patients using the computed tomographic densitometry technique. Kidney International, 1997, 52, 1635-1644.	5.2	24
103	Leukocyte adhesion in angiogenic blood vessels. Role of E-selectin, P-selectin, and beta2 integrin in lymphotoxin-mediated leukocyte recruitment in tumor microvessels Journal of Clinical Investigation, 1997, 99, 2246-2253.	8.2	46
104	The Adrenal Glands as Suppliers of Plasma <i>L</i> ·Dopa and Sources of Urinary Dopamine. Kidney and Blood Pressure Research, 1996, 19, 109-114.	2.0	5
105	Differences in binding of platelet factor 4 to vascular endothelium <i>in vivo</i> and endothelial cells <i>in vitro</i> . Acta Physiologica Scandinavica, 1995, 154, 449-459.	2.2	8
106	Sodium and dopamine excretion in prehypertensive Dahl rats during severe hypervolaemia. Acta Physiologica Scandinavica, 1995, 155, 165-171.	2.2	6
107	Influence of acridine tracer dyes on neutrophil function. Journal of Leukocyte Biology, 1994, 56, 464-468.	3.3	13
108	Influence of Captopril on Red Cell Velocity in the Vasa Recta of the Renal Medulla. Upsala Journal of Medical Sciences, 1993, 98, 149-158.	0.9	2

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109	Red-Cell Trapping in the Rat Renal Microcirculation Induced by Low-Osmolar Contrast Media and Mannitol. Investigative Radiology, 1993, 28, 1033-1038.	6.2	22
110	Tubuglomerular feedback control in long-looped nephrons. Upsala Journal of Medical Sciences, 1992, 97, 107-114.	0.9	1
111	Evaluation of Methods for Estimating Renal Medullary Blood Flow. Kidney and Blood Pressure Research, 1992, 15, 217-230.	2.0	17
112	Dopamine receptor blockade and synthesis inhibition during exaggerated natriuresis in spontaneously hypertensive rats. Acta Physiologica Scandinavica, 1992, 144, 269-276.	2.2	3
113	The effect of dopamine receptor blockade on natriuresis is dependent on the degree of hypervolemia. Kidney International, 1991, 39, 253-258.	5.2	78
114	Plasma Atrial Natriuretic Factor (\hat{l} ±anf) During Hemodialysis (HD) and Hemofiltration (HF). Scandinavian Journal of Urology and Nephrology, 1991, 25, 65-69.	1.4	3
115	Effect of papillary exposure on intrarenal distribution of glomerular filtration rate and of plasma flow. Acta Physiologica Scandinavica, 1990, 138, 61-66.	2.2	5
116	Renal effects of Atriopeptin II and dopamine receptor blockade in acutely volumeâ€expanded rats. Acta Physiologica Scandinavica, 1988, 133, 35-40.	2.2	4
117	CNSâ€induced natriuresis during dopamine receptor blockade. Further support for the existence of, at least, two separate natriuretic hormonal systems. Acta Physiologica Scandinavica, 1988, 133, 373-380.	2.2	10
118	The calcium entry blocker verapamil increases red cell flux in the vasa recta of the exposed renal papilla. Acta Physiologica Scandinavica, 1988, 134, 9-15.	2.2	6
119	Atrial natriuretic factor, urinary catechol compounds and electrolyte excretion in rats during normal hydration and isotonic volume expansion. Influence of dopamine receptor blockade Acta Physiologica Scandinavica, 1988, 134, 421-428.	2.2	20
120	Effects of Intravenous Contrast Media on Cortical and Medullary Blood Flow in the Rat Kidney. Investigative Radiology, 1988, 23, 753-761.	6.2	75
121	CNSâ€induced natriuresis is not mediated by the atrial natriuretic factor. Acta Physiologica Scandinavica, 1987, 129, 221-227.	2.2	21
122	Effects of atrial natriuretic peptide (ANP) during converting enzyme inhibition. Acta Physiologica Scandinavica, 1987, 130, 393-399.	2.2	15
123	The dopamine receptor antagonist haloperidol blocks natriuretic but not hypotensive effects of the atrial natriuretic factor. Acta Physiologica Scandinavica, 1987, 130, 401-407.	2.2	30
124	Natriuresis obtained by stimulation of the cerebroventricular system with sodium ions indicates a bloodâ€borne natriuretic factor. Acta Physiologica Scandinavica, 1986, 127, 269-271.	2.2	12
125	Atriopeptins and renal cortical and papillary blood flow. Acta Physiologica Scandinavica, 1986, 127, 349-357.	2.2	27
126	Redistribution of glomerular filtration and renal plasma flow in CNSâ€induced natriuresis. Acta Physiologica Scandinavica, 1986, 127, 491-497.	2.2	14

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127	A method for in situ measurement of ionic concentration in picoliter samples of renal tubular fluid. Pflugers Archiv European Journal of Physiology, 1984, 401, 430-432.	2.8	1