

Roger G Evans

List of Publications by Citations

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291
papers

5,871
citations

39
h-index

57
g-index

321
ext. papers

6,679
ext. citations

4
avg, IF

5.84
L-index

#	Paper	IF	Citations
291	Intrarenal oxygenation: unique challenges and the biophysical basis of homeostasis. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F1259-70	4.3	195
290	Haemodynamic influences on kidney oxygenation: clinical implications of integrative physiology. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013 , 40, 106-22	3	162
289	Intrarenal and urinary oxygenation during norepinephrine resuscitation in ovine septic acute kidney injury. <i>Kidney International</i> , 2016 , 90, 100-8	9.9	97
288	Gender differences in pressure-natriuresis and renal autoregulation: role of the Angiotensin type 2 receptor. <i>Hypertension</i> , 2011 , 57, 275-82	8.5	92
287	Dysfunction of the cholinergic anti-inflammatory pathway mediates organ damage in hypertension. <i>Hypertension</i> , 2011 , 57, 298-307	8.5	92
286	Effects of dietary protein restriction on nephron number in the mouse. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 292, R1768-74	3.2	91
285	Mechanisms underlying the differential control of blood flow in the renal medulla and cortex. <i>Journal of Hypertension</i> , 2004 , 22, 1439-51	1.9	90
284	Combined prenatal and postnatal protein restriction influences adult kidney structure, function, and arterial pressure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 292, R462-9	3.2	89
283	Mechanisms mediating pressure natriuresis: what we know and what we need to find out. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005 , 32, 400-9	3	80
282	Neural mechanisms in the cardiovascular responses to acute central hypovolaemia. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2001 , 28, 479-87	3	79
281	Evidence that renal arterial-venous oxygen shunting contributes to dynamic regulation of renal oxygenation. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, F1726-33	4.3	78
280	Renal medullary tissue oxygenation is dependent on both cortical and medullary blood flow. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 290, F688-94	4.3	73
279	Cortical and Medullary Tissue Perfusion and Oxygenation in Experimental Septic Acute Kidney Injury. <i>Critical Care Medicine</i> , 2015 , 43, e431-9	1.4	71
278	Renal hypoxia in kidney disease: Cause or consequence?. <i>Acta Physiologica</i> , 2018 , 222, e12999	5.6	65
277	Sepsis-induced acute kidney injury: A disease of the microcirculation. <i>Microcirculation</i> , 2019 , 26, e12483	2.9	62
276	Arterial spin labelling MRI to measure renal perfusion: a systematic review and statement paper. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, ii15-ii21	4.3	59
275	Urinary Oxygenation as a Surrogate Measure of Medullary Oxygenation During Angiotensin II Therapy in Septic Acute Kidney Injury. <i>Critical Care Medicine</i> , 2018 , 46, e41-e48	1.4	58

274	Intracisternal naloxone and cardiac nerve blockade prevent vasodilatation during simulated haemorrhage in awake rabbits. <i>Journal of Physiology</i> , 1989 , 409, 1-14	3.9	58
273	Nitric oxide and superoxide in the renal medulla: a delicate balancing act. <i>Current Opinion in Nephrology and Hypertension</i> , 2005 , 14, 9-15	3.5	55
272	Prenatal glucocorticoid exposure in the sheep alters renal development in utero: implications for adult renal function and blood pressure control. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 301, R500-9	3.2	53
271	Do different levels and patterns of sympathetic activation all provoke renal vasoconstriction?. <i>Journal of the Autonomic Nervous System</i> , 1998 , 69, 72-82		51
270	Role for endothelium-derived hyperpolarizing factor in vascular tone in rat mesenteric and hindlimb circulations in vivo. <i>Journal of Physiology</i> , 2002 , 542, 929-37	3.9	51
269	Renal oxygenation in acute renal ischemia-reperfusion injury. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 306, F1026-38	4.3	49
268	Cellular adaptive changes in AKI: mitigating renal hypoxic injury. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 1721-8	4.3	49
267	Sex- and age-related differences in the chronic pressure-natriuresis relationship: role of the angiotensin type 2 receptor. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, F901-7	4.3	48
266	Diversity of responses of renal cortical and medullary blood flow to vasoconstrictors in conscious rabbits. <i>Acta Physiologica Scandinavica</i> , 2000 , 169, 297-308		48
265	Nitric oxide in responses of regional kidney blood flow to vasoactive agents in anesthetized rabbits. <i>Journal of Cardiovascular Pharmacology</i> , 2002 , 40, 210-9	3.1	47
264	Factors that render the kidney susceptible to tissue hypoxia in hypoxemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 300, R931-40	3.2	46
263	Renal haemodynamics and oxygenation during and after cardiac surgery and cardiopulmonary bypass. <i>Acta Physiologica</i> , 2018 , 222, e12995	5.6	45
262	Long-term measurement of renal cortical and medullary tissue oxygenation and perfusion in unanesthetized sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 308, R832-9	3.2	44
261	Differential neural control of intrarenal blood flow. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 279, R907-16	3.2	44
260	Differential control of intrarenal blood flow during reflex increases in sympathetic nerve activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001 , 280, R62-8	3.2	44
259	Effects of ET(A) - and ET(B)-receptor antagonists on regional kidney blood flow, and responses to intravenous endothelin-1, in anaesthetized rabbits. <i>Journal of Hypertension</i> , 2001 , 19, 1789-99	1.9	43
258	Role of central opiate receptor subtypes in the circulatory responses of awake rabbits to graded caval occlusions. <i>Journal of Physiology</i> , 1989 , 419, 15-31	3.9	43
257	Basal renal O ₂ consumption and the efficiency of O ₂ utilization for Na ⁺ reabsorption. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 306, F551-60	4.3	42

256	A mathematical model of diffusional shunting of oxygen from arteries to veins in the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, F1339-52	4.3	42
255	Nitric oxide in responses of regional kidney perfusion to renal nerve stimulation and renal ischaemia. <i>Pflugers Archiv European Journal of Physiology</i> , 2003 , 447, 205-13	4.6	41
254	Do the socioeconomic and hypertension gradients in rural populations of low- and middle-income countries differ by geographical region? A systematic review and meta-analysis. <i>International Journal of Epidemiology</i> , 2014 , 43, 1563-77	7.8	40
253	Renal preglomerular arterial-venous O ₂ shunting is a structural anti-oxidant defence mechanism of the renal cortex. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006 , 33, 637-41	3	40
252	Regional responsiveness of renal perfusion to activation of the renal nerves. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 283, R1177-86	3.2	39
251	Multiple mechanisms act to maintain kidney oxygenation during renal ischemia in anesthetized rabbits. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, F1235-43	4.3	38
250	Disparate roles of AT ₂ receptors in the renal cortical and medullary circulations of anesthetized rabbits. <i>Hypertension</i> , 2003 , 42, 200-5	8.5	38
249	Limited oxygen availability in utero may constrain the evolution of live birth in reptiles. <i>American Naturalist</i> , 2013 , 181, 245-53	3.7	37
248	Mechanisms underlying the antihypertensive functions of the renal medulla. <i>Acta Physiologica Scandinavica</i> , 2004 , 181, 475-86		37
247	A novel stable inhibitor of endopeptidases EC 3.4.24.15 and 3.4.24.16 potentiates bradykinin-induced hypotension. <i>Hypertension</i> , 2000 , 35, 626-30	8.5	37
246	Renal hemodynamic responses to intrarenal infusion of ligands for the putative angiotensin IV receptor in anesthetized rats. <i>Journal of Cardiovascular Pharmacology</i> , 1999 , 34, 206-11	3.1	37
245	AT ₂ receptors contribute to acute blood pressure-lowering and vasodilator effects of AT ₁ receptor antagonism in conscious normotensive but not hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 288, H2289-97	5.2	36
244	Contribution of renal nerves to renal blood flow variability during hemorrhage. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998 , 274, R1283-94	3.2	36
243	Sex differences in the renal vascular response to angiotensin II involves the Mas receptor. <i>Acta Physiologica</i> , 2012 , 206, 150-6	5.6	35
242	Urinary hypoxia: an intraoperative marker of risk of cardiac surgery-associated acute kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, 2191-2201	4.3	34
241	Clonidine Restores Pressor Responsiveness to Phenylephrine and Angiotensin II in Ovine Sepsis. <i>Critical Care Medicine</i> , 2015 , 43, e221-9	1.4	34
240	Levels of renal and extrarenal sympathetic drive in angiotensin II-induced hypertension. <i>Hypertension</i> , 2008 , 51, 878-83	8.5	34
239	Differential effects of prenatal exposure to dexamethasone or cortisol on circulatory control mechanisms mediated by angiotensin II in the central nervous system of adult sheep. <i>Journal of Physiology</i> , 2006 , 571, 651-60	3.9	34

238	Strategies that improve renal medullary oxygenation during experimental cardiopulmonary bypass may mitigate postoperative acute kidney injury. <i>Kidney International</i> , 2019 , 95, 1338-1346	9.9	33
237	Compensatory responses to nephron deficiency: adaptive or maladaptive?. <i>Nephrology</i> , 2014 , 19, 119-282.	2	33
236	Characteristics of cardiovascular reflexes originating from 5-HT ₃ receptors in the heart and lungs of unanaesthetized rabbits. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1990 , 17, 665-79	3	33
235	Diffusive oxygen shunting between vessels in the preglomerular renal vasculature: anatomic observations and computational modeling. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, F605-18	4.3	31
234	Autoregulation of renal medullary blood flow in rabbits. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003 , 284, R233-44	3.2	31
233	Neural control of renal medullary perfusion. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2004 , 31, 387-96	3	31
232	Evaluation of a training program of hypertension for accredited social health activists (ASHA) in rural India. <i>BMC Health Services Research</i> , 2018 , 18, 320	2.9	29
231	Urinary oxygen tension: a clinical window on the health of the renal medulla?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 306, R45-50	3.2	29
230	Angiotensin II and neurohumoral control of the renal medullary circulation. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010 , 37, e58-69	3	29
229	Methods for studying the physiology of kidney oxygenation. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008 , 35, 1405-12	3	29
228	Effect of endothelin-1 on regional kidney blood flow and renal arteriole calibre in rabbits. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2004 , 31, 494-501	3	29
227	Role of vagal afferents in the haemodynamic response to acute central hypovolaemia in unanaesthetized rabbits. <i>Journal of the Autonomic Nervous System</i> , 1994 , 46, 251-60		29
226	Accounting for oxygen in the renal cortex: a computational study of factors that predispose the cortex to hypoxia. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F218-F236	4.3	28
225	Renal hemodynamics, function, and oxygenation during cardiac surgery performed on cardiopulmonary bypass: a modeling study. <i>Physiological Reports</i> , 2015 , 3, e12260	2.6	28
224	Determinants of renal tissue hypoxia in a rat model of polycystic kidney disease. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 307, R1207-15	3.2	28
223	Discharge is a critical time to influence 10-year use of secondary prevention therapies for stroke. <i>Stroke</i> , 2014 , 45, 539-44	6.7	28
222	Synchrotron-based angiography for investigation of the regulation of vasomotor function in the microcirculation in vivo. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009 , 36, 107-16	3	28
221	Renal sympathetic activation from long-term low-dose angiotensin II infusion in rabbits. <i>Journal of Hypertension</i> , 2012 , 30, 551-60	1.9	28

220	Variable responses of regional renal oxygenation and perfusion to vasoactive agents in awake sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 309, R1226-33	3.2	27
219	Endothelial dysfunction and arterial pressure regulation during early diabetes in mice: roles for nitric oxide and endothelium-derived hyperpolarizing factor. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R707-13	3.2	27
218	Role of the kidney in the pathogenesis of hypertension: time for a neo-Guytonian paradigm or a paradigm shift?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 310, R217-29	3.2	26
217	Renal sympathetic neuroeffector function in renovascular and angiotensin II-dependent hypertension in rabbits. <i>Hypertension</i> , 2007 , 49, 932-8	8.5	26
216	A CNS serotonergic mechanism in acute central hypovolemia in conscious rabbits?. <i>Journal of Cardiovascular Pharmacology</i> , 1992 , 19, 1009-17	3.1	26
215	Normotension, hypertension and body fluid regulation: brain and kidney. <i>Acta Physiologica</i> , 2017 , 219, 288-304	5.6	25
214	Stability of tissue PO ₂ in the face of altered perfusion: a phenomenon specific to the renal cortex and independent of resting renal oxygen consumption. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011 , 38, 247-54	3	25
213	In vivo regulation of endothelium-dependent vasodilation in the rat renal circulation and the effect of streptozotocin-induced diabetes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 295, R829-39	3.2	25
212	Evidence for a renomedullary vasodepressor hormone. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1996 , 23, 777-85	3	25
211	Potential roles of high salt intake and maternal malnutrition in the development of hypertension in disadvantaged populations. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010 , 37, e78-90	3	24
210	Structural antioxidant defense mechanisms in the mammalian and nonmammalian kidney: different solutions to the same problem?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 299, R723-7	3.2	24
209	Don't be so BOLD: potential limitations in the use of BOLD MRI for studies of renal oxygenation. <i>Kidney International</i> , 2007 , 71, 1327-8; author reply 1328	9.9	24
208	Interactions of blockade of nitric oxide synthase and angiotensin-converting enzyme on renal function in conscious rabbits. <i>Journal of Cardiovascular Pharmacology</i> , 1994 , 24, 542-51	3.1	24
207	Effects of the vasopressin V1 agonist [Phe ² ,Ile ³ ,Orn ⁸] vasopressin on regional kidney perfusion and renal excretory function in anesthetized rabbits. <i>Journal of Cardiovascular Pharmacology</i> , 1998 , 32, 571-81	3.1	24
206	Exogenous and endogenous angiotensin-II decrease renal cortical oxygen tension in conscious rats by limiting renal blood flow. <i>Journal of Physiology</i> , 2016 , 594, 6287-6300	3.9	24
205	Renal medullary and urinary oxygen tension during cardiopulmonary bypass in the rat. <i>Mathematical Medicine and Biology</i> , 2017 , 34, 313-333	1.3	23
204	Vascular geometry and oxygen diffusion in the vicinity of artery-vein pairs in the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, F1111-22	4.3	23
203	Effects of indomethacin on responses of regional kidney perfusion to vasoactive agents in rabbits. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2002 , 29, 873-9	3	23

202	Interactions between neural and hormonal mediators of renal vascular tone in anaesthetized rabbits. <i>Experimental Physiology</i> , 2003 , 88, 229-41	2.4	23
201	Sex differences in pressure diuresis/natriuresis in rabbits. <i>Acta Physiologica Scandinavica</i> , 2000 , 169, 309-16		23
200	Renal effects of infusion of rilmenidine and guanabenz in conscious dogs: contribution of peripheral and central nervous system alpha 2-adrenoceptors. <i>British Journal of Pharmacology</i> , 1995 , 116, 1557-70	8.6	23
199	Renal perfusion, oxygenation, and sympathetic nerve activity during volatile or intravenous general anaesthesia in sheep. <i>British Journal of Anaesthesia</i> , 2019 , 122, 342-349	5.4	23
198	Dexmedetomidine reduces norepinephrine requirements and preserves renal oxygenation and function in ovine septic acute kidney injury. <i>Kidney International</i> , 2019 , 96, 1150-1161	9.9	22
197	Behaviour change strategies for reducing blood pressure-related disease burden: findings from a global implementation research programme. <i>Implementation Science</i> , 2015 , 10, 158	8.4	22
196	RESPONSE TO THE PRESENTATION OF STATISTICS IN CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008 , 35, 1274-1274	3	22
195	Measurement of renal tissue oxygen tension: systematic differences between fluorescence optode and microelectrode recordings in anaesthetized rabbits. <i>Nephron Physiology</i> , 2008 , 108, p11-7		22
194	Effects of Fluid Bolus Therapy on Renal Perfusion, Oxygenation, and Function in Early Experimental Septic Kidney Injury. <i>Critical Care Medicine</i> , 2019 , 47, e36-e43	1.4	22
193	When Is Embryonic Arrest Broken in Turtle Eggs?. <i>Physiological and Biochemical Zoology</i> , 2017 , 90, 523-532		21
192	Differential effects of acute and chronic estrogen treatment on thermogenic and metabolic pathways in ovariectomized sheep. <i>Endocrinology</i> , 2013 , 154, 184-92	4.8	21
191	AT(2) receptors mediate tonic renal medullary vasoconstriction in renovascular hypertension. <i>British Journal of Pharmacology</i> , 2005 , 144, 486-92	8.6	21
190	Effects of renal medullary and intravenous norepinephrine on renal antihypertensive function. <i>Hypertension</i> , 2000 , 35, 965-70	8.5	21
189	Effects of activation of vasopressin-V1-receptors on regional kidney blood flow and glomerular arteriole diameters. <i>Journal of Hypertension</i> , 2001 , 19, 649-57	1.9	21
188	Effects of halothane, ketamine, propofol and alfentanil anaesthesia on circulatory control in rabbits. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1990 , 17, 781-98	3	21
187	What Makes the Kidney Susceptible to Hypoxia?. <i>Anatomical Record</i> , 2020 , 303, 2544-2552	2.1	21
186	Augmented endothelial-specific L-arginine transport prevents obesity-induced hypertension. <i>Acta Physiologica</i> , 2014 , 212, 39-48	5.6	20
185	Effects of chronic sympatho-inhibition on reflex control of renal blood flow and plasma renin activity in renovascular hypertension. <i>British Journal of Pharmacology</i> , 2010 , 159, 438-48	8.6	20

184	Contrast angiography of the rat renal microcirculation in vivo using synchrotron radiation. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 296, F1023-31	4.3	20
183	Contributions of endothelium-derived relaxing factors to control of hindlimb blood flow in the mouse in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H1072-82	5.2	20
182	Regional vascular responses to ATP and ATP analogues in the rabbit kidney in vivo: roles for adenosine receptors and prostanoids. <i>British Journal of Pharmacology</i> , 2006 , 149, 523-31	8.6	20
181	Renal haemodynamic effects of endothelin-1 and the ETA/ETB antagonist TAK-044 in anaesthetized rabbits. <i>Journal of Hypertension</i> , 1998 , 16, 1897-905	1.9	20
180	Gender-specific effects of caste and salt on hypertension in poverty: a population-based study. <i>Journal of Hypertension</i> , 2011 , 29, 443-50	1.9	19
179	Effects of 5-HT-receptor and alpha 2-adrenoceptor ligands on the haemodynamic response to acute central hypovolaemia in conscious rabbits. <i>British Journal of Pharmacology</i> , 1993 , 109, 37-47	8.6	19
178	Bladder urine oxygen tension for assessing renal medullary oxygenation in rabbits: experimental and modeling studies. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 311, R532-44	3.2	19
177	A pseudo-three-dimensional model for quantification of oxygen diffusion from preglomerular arteries to renal tissue and renal venous blood. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F237-F253	4.3	18
176	Telemetry-based oxygen sensor for continuous monitoring of kidney oxygenation in conscious rats. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 304, F1471-80	4.3	18
175	Evidence for decreased structurally determined preglomerular resistance in the young spontaneously hypertensive rat after 4 weeks of renal denervation. <i>Journal of Hypertension</i> , 1997 , 15, 1187-95	1.9	18
174	Effects of NG-nitro-L-arginine on pressure natriuresis in anaesthetized rabbits. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1995 , 22, 94-101	3	18
173	Postprandial heat production in skeletal muscle is associated with altered mitochondrial function and altered futile calcium cycling. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 303, R1071-9	3.2	17
172	Enhanced responses to ganglion blockade do not reflect sympathetic nervous system contribution to angiotensin II-induced hypertension. <i>Journal of Hypertension</i> , 2009 , 27, 1838-48	1.9	17
171	Renal responses to acute reflex activation of renal sympathetic nerve activity and renal denervation in secondary hypertension. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R1247-56	3.2	17
170	Angiotensin II and nitric oxide in neural control of intrarenal blood flow. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 289, R745-54	3.2	17
169	mu- and K-opiate receptor agonists reduce plasma neurohypophysial hormone concentrations in water-deprived and normally hydrated rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1989 , 16, 191-7	3	17
168	Chemosensitive cardiopulmonary afferents and the haemodynamic response to simulated haemorrhage in conscious rabbits. <i>British Journal of Pharmacology</i> , 1991 , 102, 533-9	8.6	17
167	Effectiveness of a scalable group-based education and monitoring program, delivered by health workers, to improve control of hypertension in rural India: A cluster randomised controlled trial. <i>PLoS Medicine</i> , 2020 , 17, e1002997	11.6	17

166	Renal functional reserve: from physiological phenomenon to clinical biomarker and beyond. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020 , 319, R690-R702	3.2	17
165	Renal Medullary Hypoxia: A New Therapeutic Target for Septic Acute Kidney Injury?. <i>Seminars in Nephrology</i> , 2019 , 39, 543-553	4.8	17
164	Factors that confound the prediction of renal medullary oxygenation and risk of acute kidney injury from measurement of bladder urine oxygen tension. <i>Acta Physiologica</i> , 2019 , 227, e13294	5.6	16
163	Chronic treatment with tempol does not significantly ameliorate renal tissue hypoxia or disease progression in a rodent model of polycystic kidney disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012 , 39, 917-29	3	16
162	alpha-Adrenoceptor subtypes mediating regional kidney blood flow responses to renal nerve stimulation. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2004 , 112, 15-24	2.4	16
161	Effects of subacute opioid administration during late pregnancy in the rat on the initiation, duration and outcome of parturition and maternal levels of oxytocin and arginine vasopressin. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1989 , 16, 169-78	3	16
160	Effects of mu-opioid receptor agonists on circulatory responses to simulated haemorrhage in conscious rabbits. <i>British Journal of Pharmacology</i> , 1990 , 100, 421-6	8.6	16
159	Influence of higher brain centres and vasopressin on the haemodynamic response to acute central hypovolaemia in rabbits. <i>Journal of the Autonomic Nervous System</i> , 1991 , 35, 1-14		16
158	Hypoxia as a novel method for preventing movement-induced mortality during translocation of turtle eggs. <i>Biological Conservation</i> , 2017 , 216, 86-92	6.2	15
157	Audit of the laboratory diagnosis of Lyme disease in Scotland. <i>Journal of Medical Microbiology</i> , 2005 , 54, 1139-1141	3.2	15
156	Comparison of the oxytocin response to water-deprivation, hyperosmolarity and administration of morphine or naltrexone in lactating and virgin female rats. <i>Neuroscience Letters</i> , 1988 , 94, 177-81	3.3	15
155	Diffusive shunting of gases and other molecules in the renal vasculature: physiological and evolutionary significance. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 311, R797-R810	3.2	15
154	A model of oxygen transport in the rat renal medulla. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F1787-F1811	4.3	15
153	An Ovine Model for Studying the Pathophysiology of Septic Acute Kidney Injury. <i>Methods in Molecular Biology</i> , 2018 , 1717, 207-218	1.4	14
152	The prevalence and genotypic analysis of <i>Toxoplasma gondii</i> from individuals in Scotland, 2006-2012. <i>Parasites and Vectors</i> , 2016 , 9, 324	4	14
151	Renal cellular hypoxia in adenine-induced chronic kidney disease. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016 , 43, 896-905	3	14
150	Adiposity has a greater impact on hypertension in lean than not-lean populations: a systematic review and meta-analysis. <i>European Journal of Epidemiology</i> , 2014 , 29, 311-24	12.1	14
149	Endothelial cationic amino acid transporter-1 overexpression can prevent oxidative stress and increases in arterial pressure in response to superoxide dismutase inhibition in mice. <i>Acta Physiologica</i> , 2014 , 210, 845-53	5.6	14

148	Haemodynamic characteristics of hypertension induced by prenatal cortisol exposure in sheep. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009 , 36, 981-7	3	14
147	Prostaglandins and nitric oxide in regional kidney blood flow responses to renal nerve stimulation. <i>Pflugers Archiv European Journal of Physiology</i> , 2004 , 449, 143-9	4.6	14
146	Reversal of the Pathophysiological Responses to Gram-Negative Sepsis by Megadose Vitamin C. <i>Critical Care Medicine</i> , 2021 , 49, e179-e190	1.4	14
145	Low dose angiotensin II infusions into the renal artery induce chronic hypertension in conscious dogs. <i>Blood Pressure</i> , 1997 , 6, 52-61	1.7	13
144	ANG II type 2 receptors and neural control of intrarenal blood flow. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 291, R1669-76	3.2	13
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