John C. McGrath

List of Publications by Year
in descending order

113 papers	9,360 citations	109137 35 h-index	37111 96 g-index
115 all docs	115 docs citations	115 times ranked	12455 citing authors

#	Article	IF	Citations
1	Sir James Whyte Black OM. 14 June 1924â€”22 March 2010. Biographical Memoirs of Fellows of the Royal Society, 2021, 70, 23-40.	0.1	1
2	Î² ₂ -Adrenoceptor signaling in airway epithelial cells promotes eosinophilic inflammation, mucous metaplasia, and airway contractility. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9163-E9171.	3.3	41
3	The IUPHAR/BPS Guide to PHARMACOLOGY in 2016: towards curated quantitative interactions between 1300 protein targets and 6000 ligands. Nucleic Acids Research, 2016, 44, D1054-D1068.	6.5	1,075
4	Experimental design and analysis and their reporting: new guidance for publication in <scp>BJP</scp>. British Journal of Pharmacology, 2015, 172, 3461-3471.	2.7	981
5	Implementing guidelines on reporting research using animals (<scp>ARRIVE</scp> etc.): new requirements for publication in <scp>BJP</scp>. British Journal of Pharmacology, 2015, 172, 3189-3193.	2.7	1,213
6	BJP is linking its articles to the IUPHAR/BPS Guide to PHARMACOLOGY. British Journal of Pharmacology, 2015, 172, 2929-2932.	2.7	8
7	The Concise Guide to PHARMACOLOGY 2015/16: Overview. British Journal of Pharmacology, 2015, 172, 5729-5743.	2.7	220
8	Localization of Î±â€adrenoceptors: <scp>JR V</scp>ane <scp>M</scp>edal <scp>L</scp>ecture. British Journal of Pharmacology, 2015, 172, 1179-1194.	2.7	31
9	<scp>BJP</scp> is changing its requirements for scientific papers to increase transparency. British Journal of Pharmacology, 2015, 172, 2671-2674.	2.7	14
10	Transparency in Research involving Animals: The Basel Declaration and new principles for reporting research in BJP manuscripts. British Journal of Pharmacology, 2015, 172, 2427-2432.	2.7	42
11	The IUPHAR/BPS Guide to PHARMACOLOGY: an expert-driven knowledgebase of drug targets and their ligands. Nucleic Acids Research, 2014, 42, D1098-D1106.	6.5	826
12	Î±_{1D}â€Adrenoceptors are responsible for the high sensitivity and the slow timeâ€course of noradrenalineâ€mediated contraction in conductance arteries. Pharmacology Research and Perspectives, 2013, 1, e00001.	1.1	7
13	The Concise Guide to PHARMACOLOGY 2013/14: Overview. British Journal of Pharmacology, 2013, 170, 1449-1458.	2.7	153
14	<scp>BJP</scp> goes online after 66 years on paper. British Journal of Pharmacology, 2013, 168, 1-1.	2.7	0
15	Calling all pharmacologists with time to spare! We need you! Build the drug discovery knowledge base, GuidetoPharmacology.org. British Journal of Pharmacology, 2012, 167, 1393-1394.	2.7	1
16	Visualization and Analysis of Vascular Receptors Using Confocal Laser Scanning Microscopy and Fluorescent Ligands. Methods in Molecular Biology, 2012, 897, 95-107.	0.4	3
17	Previously unsuspected widespread cellular and tissue distribution of Î²-adrenoceptors and its relevance to drug action. Trends in Pharmacological Sciences, 2011, 32, 219-226.	4.0	75
18	Statistics: all together now, one step at a time. British Journal of Pharmacology, 2011, 163, 207-207.	2.7	1

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19	Comment from the Editorâ€inâ€Chief on correspondence in this issue on immunoâ€techniques. British Journal of Pharmacology, 2011, 163, 1111-1112.	2.7	1
20	Statistics: All Together Now, One Step at a Time. Microcirculation, 2011, 18, 312-312.	1.0	1
21	Statistics: all together now, one step at a time. Journal of Physiology, 2011, 589, 1859-1859.	1.3	13
22	Statistics: all together now, one step at a time. Experimental Physiology, 2011, 96, 481-482.	0.9	6
23	Statistics: all together now, one step at a time. British Journal of Nutrition, 2011, 105, 1285-1286.	1.2	2
24	Statistics: all together now, one step at a time. American Journal of Physiology - Advances in Physiology Education, 2011, 35, 129-129.	0.8	2
25	Fluorescent ligand binding reveals heterogeneous distribution of adrenoceptors and â€˜cannabinoidâ€likeâ€™ receptors in small arteries. British Journal of Pharmacology, 2010, 159, 787-796.	2.7	78
26	2010 Re-launch of BJP. British Journal of Pharmacology, 2010, 159, 1-4.	2.7	3
27	Guidelines for reporting experiments involving animals: the ARRIVE guidelines. British Journal of Pharmacology, 2010, 160, 1573-1576.	2.7	1,415
28	ARRIVE: new guidelines for reporting animal research. Experimental Physiology, 2010, 95, 841-841.	0.9	15
29	ARRIVE: new guidelines for reporting animal research. Journal of Physiology, 2010, 588, 2517-2517.	1.3	38
30	Continuity and change. British Journal of Pharmacology, 2009, 156, 1-3.	2.7	2
31	The Î±_{1B/D}â€adrenoceptor knockout mouse permits isolation of the vascular Î±_{1A}â€adrenoceptor and elucidates its relationship to the other subtypes. British Journal of Pharmacology, 2009, 158, 209-224.	2.7	25
32	Endothelium in pharmacology: 30 years on. British Journal of Pharmacology, 2009, 157, 491-493.	2.7	2
33	GPCR Theme Editorial. British Journal of Pharmacology, 2009, 158, 1-4.	2.7	337
34	Î±_{1A/B}â€Knockout mice explain the native Î±_{1D}â€adrenoceptor's role in vasoconstriction and show that its location is independent of the other Î±₁â€subtypes. British Journal of Pharmacology, 2009, 158, 1663-1675.	2.7	40
35	Drugs in Sport. British Journal of Pharmacology, 2008, 154, 493-495.	2.7	37
36	Simply removing pressure doesn't work, but youthful drug-taking prevents hereditary mid-life failure. Journal of Hypertension, 2007, 25, 55-56.	0.3	0

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37	Alterations in rabbit aorta induced by types I and II pyrethroids. Environmental Toxicology and Pharmacology, 2007, 23, 250-253.	2.0	3
38	Endothelium Dependent Relaxation in Rabbit Genital Resistance Arteries is Predominantly Mediated by Endothelial-Derived Hyperpolarizing Factor in Females and Nitric Oxide in Males. Journal of Urology, 2007, 177, 786-791.	0.2	11
39	Imaging the vascular wall using confocal microscopy. Journal of Physiology, 2007, 584, 5-9.	1.3	35
40	Î± 1A -Adrenoceptors mediate contractions to phenylephrine in rabbit penile arteries. British Journal of Pharmacology, 2007, 150, 112-120.	2.7	15
41	Confocal myography for the study of hypertensive vascular remodelling. Clinical Hemorheology and Microcirculation, 2007, 37, 205-10.	0.9	7
42	Post-traumatic growth in acquired brain injury: A preliminary small scale study. Brain Injury, 2006, 20, 767-773.	0.6	95
43	Localization of the mouse Î±1A-adrenergic receptor (AR) in the brain: Î±1AAR is expressed in neurons, GABAergic interneurons, and NG2 oligodendrocyte progenitors. Journal of Comparative Neurology, 2006, 497, 209-222.	0.9	92
44	Sex-specific differences in cerebral arterial myogenic tone in hypertensive and normotensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H1081-H1089.	1.5	31
45	Postnatal alterations in elastic fiber organization precede resistance artery narrowing in SHR. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H804-H812.	1.5	39
46	Insights into the functional roles of Î± 1 -adrenoceptor subtypes in mouse carotid arteries using knockout mice. British Journal of Pharmacology, 2005, 144, 558-565.	2.7	25
47	Direct demonstration of Î² 1 - and evidence against Î² 2 - and Î² 3 -adrenoceptors, in smooth muscle cells of rat small mesenteric arteries. British Journal of Pharmacology, 2005, 146, 679-691.	2.7	59
48	Evidence for involvement of Î± 1D -adrenoceptors in contraction of femoral resistance arteries using knockout mice. British Journal of Pharmacology, 2005, 146, 942-951.	2.7	15
49	Influence of elastin on rat small artery mechanical properties. Experimental Physiology, 2005, 90, 463-468.	0.9	47
50	New aspects of vascular remodelling: the involvement of all vascular cell types. Experimental Physiology, 2005, 90, 469-475.	0.9	77
51	Phosphorylation-independent internalisation and desensitisation of the human sphingosine-1-phosphate receptor S1P3. Cellular Signalling, 2005, 17, 997-1009.	1.7	6
52	Î²-Arrestin-Dependent Spontaneous Î±1a-Adrenoceptor Endocytosis Causes Intracellular Transportation of Î±-Blockers via Recycling Compartments. Molecular Pharmacology, 2005, 67, 992-1004.	1.0	42
53	The Role of the Î± 1B -Adrenergic Receptor in Vascular Structure and Function. Hypertension, 2005, 45, e20; author reply e20-1.	1.3	1
54	Two â€œKnockoutâ€•Mouse Models Demonstrate That Aortic Vasodilatation Is Mediated via Î±2A-Adrenoceptors Located on the Endothelium. Journal of Pharmacology and Experimental Therapeutics, 2005, 314, 804-810.	1.3	36

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55	Hepatocytes from Î± 1B -adrenoceptor knockout mice reveal compensatory adrenoceptor subtype substitution. British Journal of Pharmacology, 2004, 142, 1031-1037.	2.7	21
56	Mouse ?1B-adrenergic receptor is expressed in neurons and NG2 oligodendrocytes. Journal of Comparative Neurology, 2004, 478, 1-10.	0.9	53
57	Fluorescent ligands, antibodies, and proteins for the study of receptors. , 2003, 100, 101-118.		114
58	Do fluorescent drugs show you more than you wanted to know?. British Journal of Pharmacology, 2003, 139, 187-189.	2.7	13
59	Enhanced noradrenergic transmission in the spontaneously hypertensive rat anococcygeus muscle. British Journal of Pharmacology, 2003, 140, 773-779.	2.7	3
60	The Use of Fluorescent Nuclear Dyes and Laser Scanning Confocal Microscopy to Study the Cellular Aspects of Arterial Remodelling in Human Subjects with Critical Limb Ischaemia. Experimental Physiology, 2003, 88, 547-554.	0.9	13
61	Role of Elastin in Spontaneously Hypertensive Rat Small Mesenteric Artery Remodelling. Journal of Physiology, 2003, 552, 185-195.	1.3	122
62	The Î±1-adrenoceptor profile in human skeletal muscle resistance arteries in critical limb ischaemia. Cardiovascular Research, 2003, 57, 554-562.	1.8	6
63	A knockout approach indicates a minor vasoconstrictor role for vascular Î± _{1B}-adrenoceptors in mouse. Physiological Genomics, 2002, 9, 85-91.	1.0	80
64	Neurohumoral regulation of vascular tone. , 2002, , 70-92.		0
65	The Effect of Acute Alteration in Oxygen Tension on the Bronchodilator Response to Salbutamol in Vitro and in Vivo in Man. Pulmonary Pharmacology and Therapeutics, 2001, 14, 99-105.	1.1	6
66	Functional characterization of Î±1 -adrenoceptor subtypes in human skeletal muscle resistance arteries. British Journal of Pharmacology, 2001, 133, 679-686.	2.7	30
67	Fenestrations of the Carotid Internal Elastic Lamina and Structural Adaptation in Stroke-Prone Spontaneously Hypertensive Rats. Hypertension, 2001, 37, 1101-1107.	1.3	73
68	Hypotension, Autonomic Failure, and Cardiac Hypertrophy in Transgenic Mice Overexpressing the Î±1B-Adrenergic Receptor. Journal of Biological Chemistry, 2001, 276, 13738-13743.	1.6	92
69	Controlled Hypertension, a Transgenic Toggle Switch Reveals Differential Mechanisms Underlying Vascular Disease. Journal of Biological Chemistry, 2001, 276, 36727-36733.	1.6	132
70	Increased Î±1- and Î±2-adrenoceptor-mediated contractile responses of human skeletal muscle resistance arteries in chronic limb ischemia. Cardiovascular Research, 2001, 49, 218-225.	1.8	21
71	5-Hydroxytryptamine- and U46619-mediated vasoconstriction in bovine pulmonary conventional and supernumerary arteries: effect of endogenous nitric oxide. Clinical Science, 2000, 98, 81.	1.8	9
72	Modelling and classification of vascular smooth muscle cell images. Electronics Letters, 2000, 36, 1532.	0.5	4

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73	V-shaped cushion at the origin of bovine pulmonary supernumerary arteries: structure and putative function. Journal of Applied Physiology, 1999, 87, 2348-2356.	1.2	29
74	Importance of Agonists in α-Adrenoceptor Classification and Localisation of α₁-Adrenoceptors in Human Prostate. European Urology, 1999, 36, 80-88.	0.9	9
75	NOS inhibition potentiates norepinephrine but not sympathetic nerve-mediated co-transmission in resistance arteries. Cardiovascular Research, 1999, 43, 762-771.	1.8	7
76	Angiotensin-Converting Enzymeâ€"Independent Contraction to Angiotensin I in Human Resistance Arteries. Circulation, 1999, 99, 2914-2920.	1.6	50
77	P2Y receptor-mediated Ca2+signalling in cultured rat aortic smooth muscle cells. British Journal of Pharmacology, 1999, 126, 1660-1666.	2.7	16
78	Functional Reduction and Associated Cellular Rearrangement in SHRSP Rat Basilar Arteries Are Affected by Salt Load and Calcium Antagonist Treatment. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 517-527.	2.4	23
79	Chronic exposure to hypoxia attenuates contractile responses in rat airways in vitro: a possible role for nitric oxide. European Journal of Pharmacology, 1999, 385, 29-37.	1.7	10
80	Alterations in vascular reactivity in isolated vessel segments from dogs with naturally occurring heart failure. Research in Veterinary Science, 1999, 67, 277-284.	0.9	2
81	The Effect of Chronic Hypoxia on Endothelin Receptor Subtype-mediated Responses in Rat Isolated Airways. Pulmonary Pharmacology and Therapeutics, 1999, 12, 203-213.	1.1	2
82	Structural and functional assessment of small arteries in patients with chronic heart failure. Clinical Science, 1999, 97, 671.	1.8	7
83	Cellular changes induced by chronic nitric oxide inhibition in intact rat basilar arteries revealed by confocal microscopy. Journal of Hypertension, 1997, 15, 1685-1693.	0.3	37
84	26 Adenosine A1 receptor-mediated activation of AMP-activated protein kinase in bovine bronchial rings. Biochemical Society Transactions, 1997, 25, S576-S576.	1.6	1
85	Interactions between Endothelin-1-induced Contractions and Bronchodilators in Human Isolated Bronchi. Clinical Science, 1997, 93, 527-533.	1.8	2
86	Changing the Oxygen Tension Alters the Ability of Bronchodilators to Protect Against Methacholine-induced Challenge in Bovine Isolated Bronchial Rings. Pulmonary Pharmacology and Therapeutics, 1997, 10, 51-60.	1.1	3
87	Investigation of Î± 1 -adrenoceptor subtypes mediating vasoconstriction in rabbit cutaneous resistance arteries. British Journal of Pharmacology, 1997, 122, 825-832.	2.7	28
88	Cellular Aspects of Vascular Remodeling in Hypertension Revealed by Confocal Microscopy. Hypertension, 1997, 30, 1455-1464.	1.3	72
89	Impairment of Vasodilator Function in Basilar Arteries From Aged Rats. Stroke, 1997, 28, 1812-1820.	1.0	20
90	Fluorescent ligands for the study of receptors. Trends in Pharmacological Sciences, 1996, 17, 393-399.	4.0	100

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91	The Effect of Oxygen Tension on Responses Evoked by Methacholine and Bronchodilators in Bovine Isolated Bronchial Rings. Pulmonary Pharmacology, 1996, 9, 123-128.	0.5	7
92	Confocal Microscopic Characterization of a Lesion in a Cerebral Vessel of the Stroke-Prone Spontaneously Hypertensive Rat. Stroke, 1996, 27, 1118-1123.	1.0	42
93	Contractile Effects of Prostanoids on Fetal RabbitDuctus Arteriosus. Journal of Cardiovascular Pharmacology, 1995, 25, 113-118.	0.8	26
94	The role of Î±₂â€adrenoceptors in the vasculature of the rat tail. British Journal of Pharmacology, 1995, 114, 1724-1730.	2.7	27
95	Endogenous Nitric Oxide Modulates Vasopressor Responses, but Not Depressor Responses, to Spinal Sympathetic Nerve Stimulation in Pithed Rats. Journal of Cardiovascular Pharmacology, 1994, 23, 319-325.	0.8	20
96	Angiotensin II Enhances Responses to Endothelin-1 in Bovine Bronchial Smooth Muscle. Pulmonary Pharmacology, 1994, 7, 409-413.	0.5	31
97	Mechanical and biochemical responses to endothelin-1 and endothelin-3 in human bronchi. European Journal of Pharmacology, 1994, 288, 53-60.	2.7	19
98	Atrial natriuretic peptide counteracts the vasoconstrictor effects of 5-hydroxytryptamine, U46619 and endothelin-1 in the human umbilical artery. Placenta, 1994, 15, 715-720.	0.7	6
99	Mechanical and biochemical responses to endothelinâ€1 and endothelinâ€3 in bovine bronchial smooth muscle. British Journal of Pharmacology, 1994, 111, 1163-1169.	2.7	9
100	Interactions between indomethacin, noradrenaline and vasodilators in the fetal rabbit ductus arteriosus. British Journal of Pharmacology, 1994, 111, 1245-1251.	2.7	10
101	The interaction of Î±â€human atrial natriuretic peptide (ANP) with salbutamol, sodium nitroprusside and isosorbide dinitrate in human bronchial smooth muscle. British Journal of Pharmacology, 1994, 113, 1328-1332.	2.7	12
102	Modulation of the Effect of Atrial Natriuretic Peptide in Human and Bovine Bronchi by Phosphoramidon. Clinical Science, 1994, 86, 291-295.	1.8	20
103	Contractile responses of the human umbilical artery from pregnancies complicated by intrauterine growth retardation. Placenta, 1993, 14, 563-570.	0.7	8
104	Characterisation of the effect of oxygen tension on response of fetal rabbit ductus arteriosus to vasodilators. Cardiovascular Research, 1993, 27, 2205-2211.	1.8	27
105	The Use of Fluorescent Nuclear Dyes for the Study of Blood Vessel Structure and Function: Novel Applications of Existing Techniques. Journal of Vascular Research, 1992, 29, 41-48.	0.6	40
106	The effect of ethanol on responses of the isolated rabbit ileocolic artery. European Journal of Pharmacology, 1992, 211, 1-8.	1.7	5
107	Prostaglandin E2 and Fetal Oxygen Tension Synergistically Inhibit Response of Isolated Fetal Rabbit Ductus Arteriosus to Norepinephrine. Journal of Cardiovascular Pharmacology, 1991, 17, 861-866.	0.8	17
108	Î±,Î²-methylene ATP can potentiate as well as inhibit nerve mediated responses of rabbit blood vessels and guinea pig vas deferens. European Journal of Pharmacology, 1990, 183, 543-544.	1.7	5

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109	Inhibition of the oxygen-induced contraction of the isolated human umbilical artery by indomethacin, flurbiprofen, aspirin and drugs modifying Ca2+ disposition. Prostaglandins, 1988, 36, 711-729.	1.2	17
110	Î±-Adrenoceptor agonists and the Ca2+-dependence of smooth muscle contraction: evidence for subtypes of receptors or for agonist-dependent differences in the agonist-receptor interaction?. Clinical Science, 1985, 68, 55s-63s.	0.0	10
111	Evidence for more than one type of post-junctional Î±-Adrenoceptor. Biochemical Pharmacology, 1982, 31, 467-484.	2.0	409
112	Noradrenergic transmission. Nature, 1980, 288, 301-302.	13.7	10
113	Inhibition of sympathetic transmission in rat heart by clonidine: The roles of stimulation frequency, endogenous feedback and noradrenaline re-uptake. Naunyn-Schmiedeberg's Archives of Pharmacology, 1979, 309, 225-233.	1.4	17