

# John C. McGrath

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4921688/publications.pdf>

Version: 2024-02-01

113  
papers

9,360  
citations

109321

35  
h-index

37204

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 1924–22 March 2010. Biographical Memoirs of Fellows of the Royal Society, 2021, 70, 23-40.	0.1	1
2	$\beta_2$ -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.	7.1	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.	14.5	1,075
4	Experimental design and analysis and their reporting: new guidance for publication in <sc>BJP</sc>. British Journal of Pharmacology, 2015, 172, 3461-3471.	5.4	981
5	Implementing guidelines on reporting research using animals (<sc>ARRIVE</sc> etc.): new requirements for publication in <sc>BJP</sc>. British Journal of Pharmacology, 2015, 172, 3189-3193.	5.4	1,213
6	BJP is linking its articles to the IUPHAR/BPS Guide to PHARMACOLOGY. British Journal of Pharmacology, 2015, 172, 2929-2932.	5.4	8
7	The Concise Guide to PHARMACOLOGY 2015/16: Overview. British Journal of Pharmacology, 2015, 172, 5729-5743.	5.4	220
8	Localization of $\beta$ -adrenoceptors: <sc>JRV</sc> and <sc>MEDAL</sc> lecture. British Journal of Pharmacology, 2015, 172, 1179-1194.	5.4	31
9	<sc>BJP</sc> is changing its requirements for scientific papers to increase transparency. British Journal of Pharmacology, 2015, 172, 2671-2674.	5.4	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.	5.4	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.	14.5	826
12	$\beta_1$ -Adrenoceptors are responsible for the high sensitivity and the slow time course of noradrenaline-mediated contraction in conductance arteries. Pharmacology Research and Perspectives, 2013, 1, e00001.	2.4	7
13	The Concise Guide to PHARMACOLOGY 2013/14: Overview. British Journal of Pharmacology, 2013, 170, 1449-1458.	5.4	153
14	<sc>BJP</sc> goes online after 66 years on paper. British Journal of Pharmacology, 2013, 168, 1-1.	5.4	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.	5.4	1
16	Visualization and Analysis of Vascular Receptors Using Confocal Laser Scanning Microscopy and Fluorescent Ligands. Methods in Molecular Biology, 2012, 897, 95-107.	0.9	3
17	Previously unsuspected widespread cellular and tissue distribution of $\beta$ -adrenoceptors and its relevance to drug action. Trends in Pharmacological Sciences, 2011, 32, 219-226.	8.7	75
18	Statistics: all together now, one step at a time. British Journal of Pharmacology, 2011, 163, 207-207.	5.4	1

#	ARTICLE	IF	CITATIONS
19	Comment from the Editor-in-Chief on correspondence in this issue on immunotechniques. British Journal of Pharmacology, 2011, 163, 1111-1112.	5.4	1
20	Statistics: All Together Now, One Step at a Time. Microcirculation, 2011, 18, 312-312.	1.8	1
21	Statistics: all together now, one step at a time. Journal of Physiology, 2011, 589, 1859-1859.	2.9	13
22	Statistics: all together now, one step at a time. Experimental Physiology, 2011, 96, 481-482.	2.0	6
23	Statistics: all together now, one step at a time. British Journal of Nutrition, 2011, 105, 1285-1286.	2.3	2
24	Statistics: all together now, one step at a time. American Journal of Physiology - Advances in Physiology Education, 2011, 35, 129-129.	1.6	2
25	Fluorescent ligand binding reveals heterogeneous distribution of adrenoceptors and cannabinoid receptors in small arteries. British Journal of Pharmacology, 2010, 159, 787-796.	5.4	78
26	2010 Re-launch of BJP. British Journal of Pharmacology, 2010, 159, 1-4.	5.4	3
27	Guidelines for reporting experiments involving animals: the ARRIVE guidelines. British Journal of Pharmacology, 2010, 160, 1573-1576.	5.4	1,415
28	ARRIVE: new guidelines for reporting animal research. Experimental Physiology, 2010, 95, 841-841.	2.0	15
29	ARRIVE: new guidelines for reporting animal research. Journal of Physiology, 2010, 588, 2517-2517.	2.9	38
30	Continuity and change. British Journal of Pharmacology, 2009, 156, 1-3.	5.4	2
31	The $\beta_{1B/D}$ adrenoceptor knockout mouse permits isolation of the vascular $\beta_{1A}$ adrenoceptor and elucidates its relationship to the other subtypes. British Journal of Pharmacology, 2009, 158, 209-224.	5.4	25
32	Endothelium in pharmacology: 30 years on. British Journal of Pharmacology, 2009, 157, 491-493.	5.4	2
33	GPCR Theme Editorial. British Journal of Pharmacology, 2009, 158, 1-4.	5.4	337
34	$\beta_{1A/B}$ knockout mice explain the native $\beta_{1D}$ adrenoceptor's role in vasoconstriction and show that its location is independent of the other $\beta_1$ subtypes. British Journal of Pharmacology, 2009, 158, 1663-1675.	5.4	40
35	Drugs in Sport. British Journal of Pharmacology, 2008, 154, 493-495.	5.4	37
36	Simply removing pressure doesn't work, but youthful drug-taking prevents hereditary mid-life failure. Journal of Hypertension, 2007, 25, 55-56.	0.5	0

#	ARTICLE	IF	CITATIONS
37	Alterations in rabbit aorta induced by types I and II pyrethroids. <i>Environmental Toxicology and Pharmacology</i> , 2007, 23, 250-253.	4.0	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. <i>Journal of Urology</i> , 2007, 177, 786-791.	0.4	11
39	Imaging the vascular wall using confocal microscopy. <i>Journal of Physiology</i> , 2007, 584, 5-9.	2.9	35
40	$\hat{1}\pm$ 1A -Adrenoceptors mediate contractions to phenylephrine in rabbit penile arteries. <i>British Journal of Pharmacology</i> , 2007, 150, 112-120.	5.4	15
41	Confocal myography for the study of hypertensive vascular remodelling. <i>Clinical Hemorheology and Microcirculation</i> , 2007, 37, 205-10.	1.7	7
42	Post-traumatic growth in acquired brain injury: A preliminary small scale study. <i>Brain Injury</i> , 2006, 20, 767-773.	1.2	95
43	Localization of the mouse $\hat{1}\pm$ 1A-adrenergic receptor (AR) in the brain: $\hat{1}\pm$ 1AAR is expressed in neurons, GABAergic interneurons, and NG2 oligodendrocyte progenitors. <i>Journal of Comparative Neurology</i> , 2006, 497, 209-222.	1.6	92
44	Sex-specific differences in cerebral arterial myogenic tone in hypertensive and normotensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1081-H1089.	3.2	31
45	Postnatal alterations in elastic fiber organization precede resistance artery narrowing in SHR. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H804-H812.	3.2	39
46	Insights into the functional roles of $\hat{1}\pm$ 1 adrenoceptor subtypes in mouse carotid arteries using knockout mice. <i>British Journal of Pharmacology</i> , 2005, 144, 558-565.	5.4	25
47	Direct demonstration of $\hat{1}\pm$ 2 and evidence against $\hat{1}\pm$ 2 and $\hat{1}\pm$ 3 adrenoceptors, in smooth muscle cells of rat small mesenteric arteries. <i>British Journal of Pharmacology</i> , 2005, 146, 679-691.	5.4	59
48	Evidence for involvement of $\hat{1}\pm$ 1D -adrenoceptors in contraction of femoral resistance arteries using knockout mice. <i>British Journal of Pharmacology</i> , 2005, 146, 942-951.	5.4	15
49	Influence of elastin on rat small artery mechanical properties. <i>Experimental Physiology</i> , 2005, 90, 463-468.	2.0	47
50	New aspects of vascular remodelling: the involvement of all vascular cell types. <i>Experimental Physiology</i> , 2005, 90, 469-475.	2.0	77
51	Phosphorylation-independent internalisation and desensitisation of the human sphingosine-1-phosphate receptor S1P3. <i>Cellular Signalling</i> , 2005, 17, 997-1009.	3.6	6
52	$\hat{1}\pm$ 2-Arrestin-Dependent Spontaneous $\hat{1}\pm$ 1a-Adrenoceptor Endocytosis Causes Intracellular Transportation of $\hat{1}\pm$ 1-Blockers via Recycling Compartments. <i>Molecular Pharmacology</i> , 2005, 67, 992-1004.	2.3	42
53	The Role of the $\hat{1}\pm$ 1B -Adrenergic Receptor in Vascular Structure and Function. <i>Hypertension</i> , 2005, 45, e20; author reply e20-1.	2.7	1
54	Two "Knockout" Mouse Models Demonstrate That Aortic Vasodilatation Is Mediated via $\hat{1}\pm$ 2A-Adrenoceptors Located on the Endothelium. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 804-810.	2.5	36

#	ARTICLE	IF	CITATIONS
55	Hepatocytes from $\beta_1$ -adrenoceptor knockout mice reveal compensatory adrenoceptor subtype substitution. <i>British Journal of Pharmacology</i> , 2004, 142, 1031-1037.	5.4	21
56	Mouse $\beta_1$ -adrenergic receptor is expressed in neurons and NG2 oligodendrocytes. <i>Journal of Comparative Neurology</i> , 2004, 478, 1-10.	1.6	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?. <i>British Journal of Pharmacology</i> , 2003, 139, 187-189.	5.4	13
59	Enhanced noradrenergic transmission in the spontaneously hypertensive rat anococcygeus muscle. <i>British Journal of Pharmacology</i> , 2003, 140, 773-779.	5.4	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. <i>Experimental Physiology</i> , 2003, 88, 547-554.	2.0	13
61	Role of Elastin in Spontaneously Hypertensive Rat Small Mesenteric Artery Remodelling. <i>Journal of Physiology</i> , 2003, 552, 185-195.	2.9	122
62	The $\beta_1$ -adrenoceptor profile in human skeletal muscle resistance arteries in critical limb ischaemia. <i>Cardiovascular Research</i> , 2003, 57, 554-562.	3.8	6
63	A knockout approach indicates a minor vasoconstrictor role for vascular $\beta_1$ -adrenoceptors in mouse. <i>Physiological Genomics</i> , 2002, 9, 85-91.	2.3	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. <i>Pulmonary Pharmacology and Therapeutics</i> , 2001, 14, 99-105.	2.6	6
66	Functional characterization of $\beta_1$ -adrenoceptor subtypes in human skeletal muscle resistance arteries. <i>British Journal of Pharmacology</i> , 2001, 133, 679-686.	5.4	30
67	Fenestrations of the Carotid Internal Elastic Lamina and Structural Adaptation in Stroke-Prone Spontaneously Hypertensive Rats. <i>Hypertension</i> , 2001, 37, 1101-1107.	2.7	73
68	Hypotension, Autonomic Failure, and Cardiac Hypertrophy in Transgenic Mice Overexpressing the $\beta_1$ -Adrenergic Receptor. <i>Journal of Biological Chemistry</i> , 2001, 276, 13738-13743.	3.4	92
69	Controlled Hypertension, a Transgenic Toggle Switch Reveals Differential Mechanisms Underlying Vascular Disease. <i>Journal of Biological Chemistry</i> , 2001, 276, 36727-36733.	3.4	132
70	Increased $\beta_1$ - and $\beta_2$ -adrenoceptor-mediated contractile responses of human skeletal muscle resistance arteries in chronic limb ischemia. <i>Cardiovascular Research</i> , 2001, 49, 218-225.	3.8	21
71	5-Hydroxytryptamine- and U46619-mediated vasoconstriction in bovine pulmonary conventional and supernumerary arteries: effect of endogenous nitric oxide. <i>Clinical Science</i> , 2000, 98, 81.	4.3	9
72	Modelling and classification of vascular smooth muscle cell images. <i>Electronics Letters</i> , 2000, 36, 1532.	1.0	4

#	ARTICLE	IF	CITATIONS
73	V-shaped cushion at the origin of bovine pulmonary supernumerary arteries: structure and putative function. <i>Journal of Applied Physiology</i> , 1999, 87, 2348-2356.	2.5	29
74	Importance of Agonists in $\alpha$ -Adrenoceptor Classification and Localisation of $\alpha_1$ -Adrenoceptors in Human Prostate. <i>European Urology</i> , 1999, 36, 80-88.	1.9	9
75	NOS inhibition potentiates norepinephrine but not sympathetic nerve-mediated co-transmission in resistance arteries. <i>Cardiovascular Research</i> , 1999, 43, 762-771.	3.8	7
76	Angiotensin-Converting Enzyme-Independent Contraction to Angiotensin I in Human Resistance Arteries. <i>Circulation</i> , 1999, 99, 2914-2920.	1.6	50
77	P2Y receptor-mediated Ca <sup>2+</sup> signalling in cultured rat aortic smooth muscle cells. <i>British Journal of Pharmacology</i> , 1999, 126, 1660-1666.	5.4	16
78	Functional Reduction and Associated Cellular Rearrangement in SHRSP Rat Basilar Arteries Are Affected by Salt Load and Calcium Antagonist Treatment. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 517-527.	4.3	23
79	Chronic exposure to hypoxia attenuates contractile responses in rat airways in vitro: a possible role for nitric oxide. <i>European Journal of Pharmacology</i> , 1999, 385, 29-37.	3.5	10
80	Alterations in vascular reactivity in isolated vessel segments from dogs with naturally occurring heart failure. <i>Research in Veterinary Science</i> , 1999, 67, 277-284.	1.9	2
81	The Effect of Chronic Hypoxia on Endothelin Receptor Subtype-mediated Responses in Rat Isolated Airways. <i>Pulmonary Pharmacology and Therapeutics</i> , 1999, 12, 203-213.	2.6	2
82	Structural and functional assessment of small arteries in patients with chronic heart failure. <i>Clinical Science</i> , 1999, 97, 671.	4.3	7
83	Cellular changes induced by chronic nitric oxide inhibition in intact rat basilar arteries revealed by confocal microscopy. <i>Journal of Hypertension</i> , 1997, 15, 1685-1693.	0.5	37
84	26 Adenosine A1 receptor-mediated activation of AMP-activated protein kinase in bovine bronchial rings. <i>Biochemical Society Transactions</i> , 1997, 25, S576-S576.	3.4	1
85	Interactions between Endothelin-1-induced Contractions and Bronchodilators in Human Isolated Bronchi. <i>Clinical Science</i> , 1997, 93, 527-533.	4.3	2
86	Changing the Oxygen Tension Alters the Ability of Bronchodilators to Protect Against Methacholine-induced Challenge in Bovine Isolated Bronchial Rings. <i>Pulmonary Pharmacology and Therapeutics</i> , 1997, 10, 51-60.	2.6	3
87	Investigation of $\alpha_1$ -adrenoceptor subtypes mediating vasoconstriction in rabbit cutaneous resistance arteries. <i>British Journal of Pharmacology</i> , 1997, 122, 825-832.	5.4	28
88	Cellular Aspects of Vascular Remodeling in Hypertension Revealed by Confocal Microscopy. <i>Hypertension</i> , 1997, 30, 1455-1464.	2.7	72
89	Impairment of Vasodilator Function in Basilar Arteries From Aged Rats. <i>Stroke</i> , 1997, 28, 1812-1820.	2.0	20
90	Fluorescent ligands for the study of receptors. <i>Trends in Pharmacological Sciences</i> , 1996, 17, 393-399.	8.7	100

#	ARTICLE	IF	CITATIONS
91	The Effect of Oxygen Tension on Responses Evoked by Methacholine and Bronchodilators in Bovine Isolated Bronchial Rings. <i>Pulmonary Pharmacology</i> , 1996, 9, 123-128.	0.6	7
92	Confocal Microscopic Characterization of a Lesion in a Cerebral Vessel of the Stroke-Prone Spontaneously Hypertensive Rat. <i>Stroke</i> , 1996, 27, 1118-1123.	2.0	42
93	Contractile Effects of Prostanoids on Fetal Rabbit Ductus Arteriosus. <i>Journal of Cardiovascular Pharmacology</i> , 1995, 25, 113-118.	1.9	26
94	The role of $\alpha_2$ -adrenoceptors in the vasculature of the rat tail. <i>British Journal of Pharmacology</i> , 1995, 114, 1724-1730.	5.4	27
95	Endogenous Nitric Oxide Modulates Vasopressor Responses, but Not Depressor Responses, to Spinal Sympathetic Nerve Stimulation in Pithed Rats. <i>Journal of Cardiovascular Pharmacology</i> , 1994, 23, 319-325.	1.9	20
96	Angiotensin II Enhances Responses to Endothelin-1 in Bovine Bronchial Smooth Muscle. <i>Pulmonary Pharmacology</i> , 1994, 7, 409-413.	0.6	31
97	Mechanical and biochemical responses to endothelin-1 and endothelin-3 in human bronchi. <i>European Journal of Pharmacology</i> , 1994, 288, 53-60.	2.6	19
98	Atrial natriuretic peptide counteracts the vasoconstrictor effects of 5-hydroxytryptamine, U46619 and endothelin-1 in the human umbilical artery. <i>Placenta</i> , 1994, 15, 715-720.	1.5	6
99	Mechanical and biochemical responses to endothelin-1 and endothelin-3 in bovine bronchial smooth muscle. <i>British Journal of Pharmacology</i> , 1994, 111, 1163-1169.	5.4	9
100	Interactions between indomethacin, noradrenaline and vasodilators in the fetal rabbit ductus arteriosus. <i>British Journal of Pharmacology</i> , 1994, 111, 1245-1251.	5.4	10
101	The interaction of $\alpha_1$ -human atrial natriuretic peptide (ANP) with salbutamol, sodium nitroprusside and isosorbide dinitrate in human bronchial smooth muscle. <i>British Journal of Pharmacology</i> , 1994, 113, 1328-1332.	5.4	12
102	Modulation of the Effect of Atrial Natriuretic Peptide in Human and Bovine Bronchi by Phosphoramidon. <i>Clinical Science</i> , 1994, 86, 291-295.	4.3	20
103	Contractile responses of the human umbilical artery from pregnancies complicated by intrauterine growth retardation. <i>Placenta</i> , 1993, 14, 563-570.	1.5	8
104	Characterisation of the effect of oxygen tension on response of fetal rabbit ductus arteriosus to vasodilators. <i>Cardiovascular Research</i> , 1993, 27, 2205-2211.	3.8	27
105	The Use of Fluorescent Nuclear Dyes for the Study of Blood Vessel Structure and Function: Novel Applications of Existing Techniques. <i>Journal of Vascular Research</i> , 1992, 29, 41-48.	1.4	40
106	The effect of ethanol on responses of the isolated rabbit ileocolic artery. <i>European Journal of Pharmacology</i> , 1992, 211, 1-8.	3.5	5
107	Prostaglandin E2 and Fetal Oxygen Tension Synergistically Inhibit Response of Isolated Fetal Rabbit Ductus Arteriosus to Norepinephrine. <i>Journal of Cardiovascular Pharmacology</i> , 1991, 17, 861-866.	1.9	17
108	$\alpha_1, \alpha_2$ -methylene ATP can potentiate as well as inhibit nerve mediated responses of rabbit blood vessels and guinea pig vas deferens. <i>European Journal of Pharmacology</i> , 1990, 183, 543-544.	3.5	5

#	ARTICLE	IF	CITATIONS
109	Inhibition of the oxygen-induced contraction of the isolated human umbilical artery by indomethacin, flurbiprofen, aspirin and drugs modifying Ca <sup>2+</sup> disposition. <i>Prostaglandins</i> , 1988, 36, 711-729.	1.2	17
110	Î±-Adrenoceptor agonists and the Ca <sup>2+</sup> -dependence of smooth muscle contraction: evidence for subtypes of receptors or for agonist-dependent differences in the agonist-receptor interaction?. <i>Clinical Science</i> , 1985, 68, 55s-63s.	0.0	10
111	Evidence for more than one type of post-junctional Î±-Adrenoceptor. <i>Biochemical Pharmacology</i> , 1982, 31, 467-484.	4.4	409
112	Noradrenergic transmission. <i>Nature</i> , 1980, 288, 301-302.	27.8	10
113	Inhibition of sympathetic transmission in rat heart by clonidine: The roles of stimulation frequency, endogenous feedback and noradrenaline re-uptake. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1979, 309, 225-233.	3.0	17