

Xavier Norel

List of Publications by Citations

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113
papers

4,792
citations

35
h-index

68
g-index

120
ext. papers

5,352
ext. citations

6.4
avg, IF

5.08
L-index

#	Paper	IF	Citations
113	The Concise Guide to PHARMACOLOGY 2015/16: Enzymes. <i>British Journal of Pharmacology</i> , 2015 , 172, 6024-109	8.6	515
112	The Concise Guide to PHARMACOLOGY 2015/16: G protein-coupled receptors. <i>British Journal of Pharmacology</i> , 2015 , 172, 5744-869	8.6	475
111	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: G protein-coupled receptors. <i>British Journal of Pharmacology</i> , 2019 , 176 Suppl 1, S21-S141	8.6	391
110	Systemic Human ILC Precursors Provide a Substrate for Tissue ILC Differentiation. <i>Cell</i> , 2017 , 168, 1086-1100.e103	16.0	103
109	The Concise Guide to PHARMACOLOGY 2015/16: Overview. <i>British Journal of Pharmacology</i> , 2015 , 172, 5729-43	8.6	207
108	The Concise Guide to PHARMACOLOGY 2015/16: Transporters. <i>British Journal of Pharmacology</i> , 2015 , 172, 6110-202	8.6	180
107	The Concise Guide to PHARMACOLOGY 2015/16: Voltage-gated ion channels. <i>British Journal of Pharmacology</i> , 2015 , 172, 5904-41	8.6	164
106	The Concise Guide to PHARMACOLOGY 2015/16: Catalytic receptors. <i>British Journal of Pharmacology</i> , 2015 , 172, 5979-6023	8.6	151
105	The Concise Guide to PHARMACOLOGY 2015/16: Ligand-gated ion channels. <i>British Journal of Pharmacology</i> , 2015 , 172, 5870-903	8.6	128
104	The Concise Guide to PHARMACOLOGY 2015/16: Nuclear hormone receptors. <i>British Journal of Pharmacology</i> , 2015 , 172, 5956-78	8.6	114
103	Specific inhibition of PAF-acether-induced platelet activation by BN 52021 and comparison with the PAF-acether inhibitors kadsurenone and CV 3988. <i>European Journal of Pharmacology</i> , 1986 , 123, 197-205 ^{5.3}	5.3	106
102	A second cysteinyl leukotriene receptor in human lung. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1992 , 263, 800-5	4.7	99
101	Prostanoid receptors involved in the relaxation of human pulmonary vessels. <i>British Journal of Pharmacology</i> , 1999 , 126, 859-66	8.6	97
100	Prostanoid receptors in the human vascular wall. <i>Scientific World Journal, The</i> , 2007 , 7, 1359-74	2.2	93
99	The role of prostaglandin E2 in human vascular inflammation. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2013 , 89, 55-63	2.8	87
98	Role of MMP-1 (-519A/G, -1607 1G/2G), MMP-3 (Lys45Glu), MMP-7 (-181A/G), and MMP-12 (-82A/G) Variants and Plasma MMP Levels on Obesity-Related Phenotypes and Microvascular Reactivity in a Tunisian Population. <i>Disease Markers</i> , 2017 , 2017, 6198526	3.2	85
97	Prostanoid receptors involved in the relaxation of human bronchial preparations. <i>British Journal of Pharmacology</i> , 1999 , 126, 867-72	8.6	70

96	The cyclooxygenase-2-prostaglandin E2 pathway maintains senescence of chronic obstructive pulmonary disease fibroblasts. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 703-14	10.2	68
95	M1 and M3 muscarinic receptors in human pulmonary arteries. <i>British Journal of Pharmacology</i> , 1996 , 119, 149-57	8.6	62
94	Vasorelaxation induced by prostaglandin E2 in human pulmonary vein: role of the EP4 receptor subtype. <i>British Journal of Pharmacology</i> , 2008 , 154, 1631-9	8.6	59
93	Prostanoid EP(1)- and TP-receptors involved in the contraction of human pulmonary veins. <i>British Journal of Pharmacology</i> , 2001 , 134, 1671-8	8.6	57
92	Inhibitory effects of BAY u3405 on prostanoid-induced contractions in human isolated bronchial and pulmonary arterial muscle preparations. <i>British Journal of Pharmacology</i> , 1991 , 104, 591-5	8.6	46
91	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G protein-coupled receptors. <i>British Journal of Pharmacology</i> , 2021 , 178 Suppl 1, S27-S156	8.6	46
90	Human perivascular adipose tissue dysfunction as a cause of vascular disease: Focus on vascular tone and wall remodeling. <i>European Journal of Pharmacology</i> , 2015 , 766, 16-24	5.3	42
89	PGE(2) receptor (EP(4)) agonists: potent dilators of human bronchi and future asthma therapy?. <i>Pulmonary Pharmacology and Therapeutics</i> , 2012 , 25, 115-8	3.5	42
88	Degradation of acetylcholine in human airways: role of butyrylcholinesterase. <i>British Journal of Pharmacology</i> , 1993 , 108, 914-9	8.6	41
87	Vasoconstriction induced by activation of EP1 and EP3 receptors in human lung: effects of ONO-AE-248, ONO-DI-004, ONO-8711 or ONO-8713. <i>Prostaglandins and Other Lipid Mediators</i> , 2004 , 74, 101-12	3.7	40
86	Prostacyclin modulation of contractions of the human pulmonary artery by cysteinyl-leukotrienes. <i>European Journal of Pharmacology</i> , 2000 , 401, 389-95	5.3	40
85	Silver Nanoparticles Impair Retinoic Acid-Inducible Gene I-Mediated Mitochondrial Antiviral Immunity by Blocking the Autophagic Flux in Lung Epithelial Cells. <i>ACS Nano</i> , 2018 , 12, 1188-1202	16.7	39
84	Control of human vascular tone by prostanoids derived from perivascular adipose tissue. <i>Prostaglandins and Other Lipid Mediators</i> , 2013 , 107, 13-7	3.7	38
83	The Concise Guide to PHARMACOLOGY 2015/16: Other ion channels. <i>British Journal of Pharmacology</i> , 2015 , 172, 5942-55	8.6	38
82	Anaphylactic bronchoconstriction in BP2 mice: interactions between serotonin and acetylcholine. <i>British Journal of Pharmacology</i> , 1999 , 126, 312-6	8.6	38
81	The muscarinic receptor subtypes in human blood vessels. <i>Therapie</i> , 2001 , 56, 223-6	3.8	36
80	The quest for new cysteinyl-leukotriene and lipoxin receptors: recent clues 2004 , 103, 81-94		35
79	Functional studies of leukotriene receptors in vascular tissues. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000 , 161, S107-11	10.2	35

78	Differential reactivity of human mammary artery and saphenous vein to prostaglandin E(2) : implication for cardiovascular grafts. <i>British Journal of Pharmacology</i> , 2011 , 163, 826-34	8.6	34
77	Relaxation of isolated human pulmonary muscle preparations with prostacyclin (PGI ₂) and its analogs. <i>Prostaglandins</i> , 1987 , 33, 845-54		33
76	Inhibition of microsomal PGE synthase-1 reduces human vascular tone by increasing PGI : a safer alternative to COX-2 inhibition. <i>British Journal of Pharmacology</i> , 2017 , 174, 4087-4098	8.6	32
75	Prostacyclin release and receptor activation: differential control of human pulmonary venous and arterial tone. <i>British Journal of Pharmacology</i> , 2004 , 142, 788-96	8.6	31
74	Evidence for a M(1) muscarinic receptor on the endothelium of human pulmonary veins. <i>British Journal of Pharmacology</i> , 2000 , 130, 73-8	8.6	31
73	A comparative study of PGI ₂ mimetics used clinically on the vasorelaxation of human pulmonary arteries and veins, role of the DP-receptor. <i>Prostaglandins and Other Lipid Mediators</i> , 2013 , 107, 48-55	3.7	30
72	Pharmacological evidence for a novel cysteinyl-leukotriene receptor subtype in human pulmonary artery smooth muscle. <i>British Journal of Pharmacology</i> , 2002 , 137, 1339-45	8.6	28
71	Vasorelaxant effects of atrial peptide II on isolated human pulmonary muscle preparations. <i>European Journal of Pharmacology</i> , 1988 , 150, 397-400	5.3	26
70	Selective cyclooxygenase-2 inhibition directly increases human vascular reactivity to norepinephrine during acute inflammation. <i>Cardiovascular Research</i> , 2009 , 81, 269-77	9.9	25
69	Antagonist resistant contractions of the porcine pulmonary artery by cysteinyl-leukotrienes. <i>European Journal of Pharmacology</i> , 2000 , 401, 381-8	5.3	24
68	Modulation of vascular tone and reactivity by nitric oxide in porcine pulmonary arteries and veins. <i>Acta Physiologica Scandinavica</i> , 2002 , 174, 9-15		23
67	Histamine receptors on human isolated pulmonary arterial muscle preparations: effects of endothelial cell removal and nitric oxide inhibitors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1992 , 260, 762-7	4.7	23
66	Decreased PGE ₂ content reduces MMP-1 activity and consequently increases collagen density in human varicose vein. <i>PLoS ONE</i> , 2014 , 9, e88021	3.7	21
65	Endothelin-1 modulates cyclic GMP production and relaxation in human pulmonary vessels. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1995 , 274, 969-75	4.7	21
64	(R)-2-[4-(quinolin-2-yl-methoxy)phenyl]-2-cyclopentyl] acetic acid (BAY x1005), a potent leukotriene synthesis inhibitor: effects on anti-IgE challenge in human airways. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1994 , 268, 868-72	4.7	21
63	Neutrophils recruited by leukotriene B ₄ induce features of plaque destabilization during endotoxaemia. <i>Cardiovascular Research</i> , 2018 , 114, 1656-1666	9.9	21
62	Reverse Regulatory Pathway (H ₂ S / PGE ₂ / MMP) in Human Aortic Aneurysm and Saphenous Vein Varicosity. <i>PLoS ONE</i> , 2016 , 11, e0158421	3.7	20
61	Cholinesterase activity in human pulmonary arteries and veins. <i>British Journal of Pharmacology</i> , 1997 , 121, 986-90	8.6	19

60	Effects of various pharmacological agents on isolated human bronchial and pulmonary arterial and venous muscle preparations contracted by leukotriene D4. <i>Fundamental and Clinical Pharmacology</i> , 1987 , 1, 433-44	3.1	18
59	Prostanoids in the pathophysiology of human coronary artery. <i>Prostaglandins and Other Lipid Mediators</i> , 2017 , 133, 20-28	3.7	16
58	Prostaglandin E2 receptor subtypes in human blood and vascular cells. <i>European Journal of Pharmacology</i> , 2012 , 695, 1-6	5.3	15
57	A new mRNA splice variant coding for the human EP3-I receptor isoform. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2007 , 77, 195-201	2.8	15
56	Cholinesterase activity in pig airways and epithelial cells. <i>Fundamental and Clinical Pharmacology</i> , 1997 , 11, 201-5	3.1	14
55	Altered reactivity to norepinephrine through COX-2 induction by vascular injury in hypercholesterolemic rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H1882-8	5.2	13
54	Prostaglandin E ₂ induced contraction of human intercostal arteries is mediated by the EP ₂ receptor. <i>European Journal of Pharmacology</i> , 2012 , 681, 55-9	5.3	12
53	Ex vivo relaxations of pulmonary arteries induced by prostacyclin mimetics are highly dependent of the precontractile agents. <i>Prostaglandins and Other Lipid Mediators</i> , 2015 , 121, 46-52	3.7	11
52	International Union of Basic and Clinical Pharmacology. CIX. Differences and Similarities between Human and Rodent Prostaglandin E Receptors (EP1-4) and Prostacyclin Receptor (IP): Specific Roles in Pathophysiologic Conditions. <i>Pharmacological Reviews</i> , 2020 , 72, 910-968	22.5	10
51	Inflammation increases MMP levels via PGE in human vascular wall and plasma of obese women. <i>International Journal of Obesity</i> , 2019 , 43, 1724-1734	5.5	10
50	Cysteinyl-leukotriene receptors in pulmonary vessels. <i>Journal of Physiology and Pharmacology</i> , 1999 , 50, 567-73	2.1	10
49	Response to anti-human IgE in human pulmonary arteries. Regulation by endothelium. <i>The American Review of Respiratory Disease</i> , 1993 , 147, 1029-33		9
48	Prostanoid EP ₂ Receptors Are Up-Regulated in Human Pulmonary Arterial Hypertension: A Key Anti-Proliferative Target for Treprostinil in Smooth Muscle Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	9
47	Decreased vasorelaxation induced by iloprost during acute inflammation in human internal mammary artery. <i>European Journal of Pharmacology</i> , 2017 , 804, 31-37	5.3	8
46	Omega-3 polyunsaturated fatty acids reduce vascular tone and inflammation in human saphenous vein. <i>Prostaglandins and Other Lipid Mediators</i> , 2017 , 133, 29-34	3.7	8
45	Evaluation of some prostaglandins modulators on rat corpus cavernosum in-vitro: Is relaxation negatively affected by COX-inhibitors?. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 111, 1458-1466	7.5	7
44	Absence of inflammatory conditions in human varicose saphenous veins. <i>Inflammation Research</i> , 2013 , 62, 299-308	7.2	7
43	Effects of beta 2-adrenoceptor agonists on anti-IgE-induced contraction and smooth muscle reactivity in human airways. <i>British Journal of Pharmacology</i> , 1995 , 114, 935-40	8.6	6

42	Bronchodilation induced by PGE is impaired in Group III pulmonary hypertension. <i>British Journal of Pharmacology</i> , 2020 , 177, 161-174	8.6	5
41	Effect of cold storage on cholinergic responses induced by electrical field stimulation in human bronchi. <i>Pulmonary Pharmacology and Therapeutics</i> , 2006 , 19, 297-302	3.5	4
40	Antigen-induced contraction of human isolated lung preparations passively sensitized with monoclonal IgE: effects of indomethacin. <i>International Archives of Allergy and Immunology</i> , 1991 , 96, 368-75	3.7	4
39	Downregulation of PGI pathway in Pulmonary Hypertension Group-III patients. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020 , 160, 102158	2.8	3
38	Potassium channels modulate the action but not the synthesis of hydrogen sulfide in rat corpus cavernosum. <i>Life Sciences</i> , 2017 , 189, 39-43	6.8	3
37	Gorenne et al. reply. <i>Trends in Pharmacological Sciences</i> , 1997 , 18, 148-149	13.2	3
36	Cholinesterase inhibition by vecuronium and pancuronium in human airways. <i>Life Sciences</i> , 1994 , 55, PL26186		3
35	Antigenic contraction of guinea pig tracheal preparations passively sensitized with monoclonal IgE: pharmacological modulation. <i>International Archives of Allergy and Immunology</i> , 1988 , 87, 342-8	3.7	3
34	Comparison of BN 52021, a new inhibitor of PAF-acether-induced platelet aggregation, with kadsurenone and CV 3988. <i>Prostaglandins</i> , 1985 , 30, 701		3
33	Prostanoid receptors (version 2020.4) in the IUPHAR/BPS Guide to Pharmacology Database. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2020 , 2020,	1.7	3
32	Interaction between PGI and ET-1 pathways in vascular smooth muscle from Group-III pulmonary hypertension patients. <i>Prostaglandins and Other Lipid Mediators</i> , 2020 , 146, 106388	3.7	3
31	Mechanism of thromboxane receptor-induced vasoconstriction in human saphenous vein. <i>Prostaglandins and Other Lipid Mediators</i> , 2020 , 151, 106476	3.7	3
30	Hypoactivity of rat detrusor muscle in a model of cystitis: exacerbation by non-selective COX inhibitors and amelioration by a selective DP receptor antagonist. <i>Naunyn-Schmiedeberg Archives of Pharmacology</i> , 2019 , 392, 437-450	3.4	3
29	Pharmacology of the single isomer, esuberaprost (beraprost-314d) on pulmonary vascular tone, IP receptors and human smooth muscle proliferation in pulmonary hypertension. <i>Biochemical Pharmacology</i> , 2019 , 166, 242-252	6	2
28	Sildenafil corrects the increased contractility of rat detrusor muscle induced by alprostadil in vitro. <i>Pharmacological Reports</i> , 2019 , 71, 659-668	3.9	2
27	Involvement of prostaglandin F ₂ in preeclamptic human umbilical vein vasospasm: a role of prostaglandin F and thromboxane A ₂ receptors. <i>Journal of Hypertension</i> , 2010 , 28, 2438-45	1.9	2
26	Cholinesterase activity in human pulmonary arteries and veins: correlation with mRNA levels. <i>Life Sciences</i> , 2005 , 76, 2211-20	6.8	2
25	Role of nitric oxide on cholinergic component of bronchial tone in pig. <i>Pharmacological Research</i> , 1996 , 34, 157-60	10.2	2

24	Anti-IgE Response in Human Airways: Relative Contribution of Inflammatory Mediators. <i>Mediators of Inflammation</i> , 1994 , 3, 359-63	4.3	2
23	Prostanoid receptors (version 2019.5) in the IUPHAR/BPS Guide to Pharmacology Database. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2019 , 2019,	1.7	2
22	MMPs and TIMPs levels are correlated with anthropometric parameters, blood pressure, and endothelial function in obesity. <i>Scientific Reports</i> , 2021 , 11, 20052	4.9	2
21	Magnetic wire active microrheology of human respiratory mucus		2
20	Magnetic wire active microrheology of human respiratory mucus. <i>Soft Matter</i> , 2021 , 17, 7585-7595	3.6	2
19	Comparative study of coronary artery bypass graft materials: reduced contraction and ADMA levels in internal mammary artery versus saphenous vein. <i>Journal of Cardiovascular Surgery</i> , 2021 ,	0.7	2
18	The contraction of the human pulmonary artery by LTC ₄ is resistant to cysLT ₁ antagonists and counteracted by prostacyclin release. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 507, 315-9	3.6	2
17	Contraction of bovine isolated bronchial airways: effects of epithelium removal. <i>Respiration</i> , 1993 , 60, 351-3	3.7	1
16	Comparative study on the effect of aspirin, TP receptor antagonist and TxA synthase inhibitor on the vascular tone of human saphenous vein and internal mammary artery. <i>Life Sciences</i> , 2021 , 286, 120073	6.8	1
15	Polymorphisms rs2745557 in PTGS2 and rs2075797 in PTGER2 are associated with the risk of chronic obstructive pulmonary disease development in a Tunisian cohort. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2021 , 166, 102252	2.8	1
14	In search of pulmonary hypertension treatments: Effect of 17β-Estradiol on PGI pathway in human pulmonary artery. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2021 , 172, 102321	2.8	1
13	Cysteinyl leukotriene receptors in the human lung: what's new?. <i>Trends in Pharmacological Sciences</i> , 1996 , 17, 342-5	13.2	1
12	Increased Human Vascular Reactivity Via Cyclooxygenase-2 Inhibition During Acute Inflammation: Role of Prostaglandins E2 and I2. <i>Inflammation Research</i> , 2009 , 58, S249-S251	7.2	
11	Acetylcholine induces a greater production of prostacyclin in human pulmonary arteries than in veins. <i>Journal of Physiology (Paris)</i> , 1998 , 92, 507-508		
10	Leukotriene synthesis inhibition and anti-ige challenge of human lung parenchyma. <i>Life Sciences</i> , 1996 , 59, PL213-9	6.8	
9	Cysteinyl leukotriene receptors in the human lung: what's new?. <i>Trends in Pharmacological Sciences</i> , 1996 , 17, 342-345	13.2	
8	Responsiveness and sensitivity to cholinergic agonists and antagonists in bovine isolated bronchial muscles. <i>Pharmacological Research</i> , 1990 , 22 Suppl 3, 64-5	10.2	
7	The effects of cholinergic antagonists on bovine isolated bronchial muscles with and without epithelium. <i>Pharmacological Research</i> , 1990 , 22, 315	10.2	

- 6 Leukotrienes and the pulmonary vascular bed. *Advances in Experimental Medicine and Biology*, **2002**, 507, 309-13 3.6
- 5 Arachidonic acid inhibits cysteinyl-leukotriene receptor activation in human pulmonary vessels. *Advances in Experimental Medicine and Biology*, **2003**, 525, 75-9 3.6
- 4 Increase of Cholinesterase Activity in Intact Human Bronchial Preparations Treated with Indomethacin **1998**, 596-597
- 3 Cholinesterase Activities in Intact Human Pulmonary Vessels Treated with LTD4 **1998**, 594-595
- 2 Cysteinyl-leukotrienes and the human lung. *Advances in Experimental Medicine and Biology*, **1999**, 447, 171-9 3.6
- 1 Prostaglandin Endoperoxide H Synthase-2 (PGHS-2) Variants and Risk of Obesity and Microvascular Dysfunction Among Tunisians: Relevance of rs5277 (306G/C) and rs5275 (8473T/C) Genetic Markers. *Biochemical Genetics*, **2021**, 59, 1457-1486 2.4