Robert B Moreland

List of Publications by Year in Descending Order

67 papers	3,352 citations	35 h-index	57 g-index
68 ext. papers	3,540 ext. citations	4.6 avg, IF	4.21 L-index

#	Paper	IF	Citations
67	Quantification of TRPV1 protein levels in rat tissues to understand its physiological roles. *Journal of Molecular Neuroscience*, **2013**, 50, 23-32	3.3	21
66	Development of ELISA to measure TRPV1 protein in rat tissues. *Journal of Neuroscience Methods*, **2011**, 200, 144-52	3	2
65	Expression and purification of human TRPV1 in baculovirus-infected insect cells for structural studies. *Protein Expression and Purification*, **2009**, 65, 38-50	2	11
64	Transient receptor potential A1 mediates an osmotically activated ion channel. *European Journal of Neuroscience*, **2008**, 27, 605-11	3.5	90
63	Analgesic activity of metabotropic glutamate receptor 1 antagonists on spontaneous post-operative pain in rats. *European Journal of Pharmacology*, **2008**, 580, 314-21	5.3	19
62	Molecular determinants of species-specific activation or blockade of TRPA1 channels. *Journal of Neuroscience*, **2008**, 28, 5063-71	6.6	91
61	Rapid hit to lead evaluation of pyrazolo[3,4-d]pyrimidin-4-one as selective and orally bioavailable mGluR1 antagonists. *Bioorganic and Medicinal Chemistry Letters*, **2007**, 17, 4303-7	2.9	18
60	Capsaicin causes protein synthesis inhibition and microtubule disassembly through TRPV1 activities both on the plasma membrane and intracellular membranes. *Biochemical Pharmacology*, **2007**, 73, 1635-45	6	35
59	[3H]A-778317 [1-((R)-5-tert-butyl-indan-1-yl)-3-isoquinolin-5-yl-urea]: a novel, stereoselective, high-affinity antagonist is a useful radioligand for the human transient receptor potential vanilloid-1 (TRPV1) receptor. *Journal of Pharmacology and Experimental Therapeutics*, **2007**, 323, 285-93	4.7	15
58	Activation of TRPA1 channels by the fatty acid amide hydrolase inhibitor 3′-carbamoylbiphenyl-3-yl cyclohexylcarbamate (URB597). *Molecular Pharmacology*, **2007**, 71, 1209-16	4.3	63
57	Application of large-scale transiently transfected cells to functional assays of ion channels: different targets and assay formats. *Assay and Drug Development Technologies*, **2007**, 5, 417-24	2.1	17
56	Utility of large-scale transiently transfected cells for cell-based high-throughput screens to identify transient receptor potential channel A1 (TRPA1) antagonists. *Journal of Biomolecular Screening*, **2007**, 12, 61-9		32
55	Modulation of human TRPV1 receptor activity by extracellular protons and host cell expression system. *European Journal of Pharmacology*, **2006**, 537, 20-30	5.3	27
54	Discovery of 3-methyl-N-(1-oxy-3′,4′,5′,6′-tetrahydro-2′H-[2,4′-bipyridine]-1′-ylmethyl)benzamide (ABT-670), an orally bioavailable dopamine D4 agonist for the treatment of erectile dysfunction. *Journal of Medicinal Chemistry*, **2006**, 49, 7450-65	8.3	34
53	Dopamine D4 receptors and the regulation of penile erection. *Drug Discovery Today: Therapeutic Strategies*, **2006**, 3, 599-604		2
52	1-aryl-3-(4-pyridine-2-ylpiperazin-1-yl)propan-1-one oximes as potent dopamine D4 receptor agonists for the treatment of erectile dysfunction. *Journal of Medicinal Chemistry*, **2006**, 49, 5093-109	8.3	16
51	Dopamine D4 receptor signaling in the rat paraventricular hypothalamic nucleus: Evidence of natural coupling involving immediate early gene induction and mitogen activated protein kinase phosphorylation. *Neuropharmacology*, **2006**, 50, 521-31	5.5	29

50	Acrylamide analog as a novel nitric oxide-independent soluble guanylyl cyclase activator. *Journal of Pharmacological Sciences*, **2006**, 102, 231-8	3.7	16
49	TRPV1b overexpression negatively regulates TRPV1 responsiveness to capsaicin, heat and low pH in HEK293 cells. *Journal of Neurochemistry*, **2006**, 99, 1088-102	6	55
48	In vitro models: research in physiology and pharmacology of the lower urinary tract. *British Journal of Pharmacology*, **2006**, 147 Suppl 2, S56-61	8.6	10
47	Correlation between brain/plasma ratios and efficacy in neuropathic pain models of selective metabotropic glutamate receptor 1 antagonists. *Bioorganic and Medicinal Chemistry Letters*, **2006**, 16, 4936-40	2.9	19
46	[3H]A-778317: a novel high-affinity radioligand for the TRPV1 receptor. *FASEB Journal*, **2006**, 20, A246	0.9	
45	Structure-activity relationship of triazafluorenone derivatives as potent and selective mGluR1 antagonists. *Journal of Medicinal Chemistry*, **2005**, 48, 7374-88	8.3	66
44	Role of central and peripheral mGluR5 receptors in post-operative pain in rats. *Pain*, **2005**, 114, 195-202	8	52
43	Electrophysiological and in vivo characterization of A-317567, a novel blocker of acid sensing ion channels. *Pain*, **2005**, 117, 88-96	8	139
42	2-[4-(3,4-Dimethylphenyl)piperazin-1-ylmethyl]-1H benzoimidazole (A-381393), a selective dopamine D4 receptor antagonist. *Neuropharmacology*, **2005**, 49, 112-21	5.5	18
41	Synthesis and evaluation of 3-aryl piperidine analogs as potent and efficacious dopamine D4 receptor agonists. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 4667-78	3.4	31
40	Dopamine D2, but not D4, receptor agonists are emetogenic in ferrets. *Pharmacology Biochemistry and Behavior*, **2005**, 81, 211-9	3.9	36
39	Central oxytocinergic and dopaminergic mechanisms regulating penile erection in conscious rats. *Pharmacology Biochemistry and Behavior*, **2005**, 81, 797-804	3.9	8
38	A-412997 is a selective dopamine D4 receptor agonist in rats. *Pharmacology Biochemistry and Behavior*, **2005**, 82, 140-7	3.9	46
37	A-412997, a selective dopamine D4 agonist, improves cognitive performance in rats. *Pharmacology Biochemistry and Behavior*, **2005**, 82, 148-55	3.9	50
36	Antidepressant-like effect of D(2/3) receptor-, but not D(4) receptor-activation in the rat forced swim test. *Neuropsychopharmacology*, **2005**, 30, 1257-68	8.7	65
35	Central mechanisms regulating penile erection in conscious rats: the dopaminergic systems related to the proerectile effect of apomorphine. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 308, 330-8	4.7	86
34	Emerging pharmacologic approaches for the treatment of lower urinary tract disorders. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 308, 797-804	4.7	24
33	Activation of dopamine D4 receptors by ABT-724 induces penile erection in rats. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 6758-63	11.5	98

32	[3H] A-369508 ([2-[4-(2-cyanophenyl)-1-piperazinyl]-N-(3-methylphenyl) acetamide): an agonist radioligand selective for the dopamine D4 receptor. *European Journal of Pharmacology*, **2004**, 497, 147-54	5.3	15
31	Comparative pharmacology of human dopamine D(2)-like receptor stable cell lines coupled to calcium flux through Galpha(qo5). *Biochemical Pharmacology*, **2004**, 68, 761-72	6	38
30	Molecular Basis of Veno-occlusion and the Molecular Pathology of Vasculogenic Erectile Dysfunction. *Sexuality and Disability*, **2004**, 22, 143-149	1.3	
29	Synthesis and functional activity of (2-aryl-1-piperazinyl)-N-(3-methylphenyl)acetamides: selective dopamine D4 receptor agonists. *Bioorganic and Medicinal Chemistry*, **2004**, 12, 3471-83	3.4	31
28	Synthesis and activity of 2-[4-(4-[3H]-2-cyanophenyl)piperazinyl]-N-(2,4,6-[3H]3-3-methylphenyl)acetamide: a selective dopamine D4 receptor agonist and radioligand. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 5095-8	2.9	11
27	Discovery of 2-(4-pyridin-2-ylpiperazin-1-ylmethyl)-1H-benzimidazole (ABT-724), a dopaminergic agent with a novel mode of action for the potential treatment of erectile dysfunction. *Journal of Medicinal Chemistry*, **2004**, 47, 3853-64	8.3	58
26	Dopamine D4 ligands and models of receptor activation: 2-(4-pyridin-2-ylpiperazin-1-ylmethyl)-1H-benzimidazole and related heteroarylmethylarylpiperazines exhibit a substituent effect responsible for additional efficacy tuning. *Journal of Medicinal Chemistry*, **2004**, 47, 2348-55	8.3	35
25	YC-1 potentiates the nitric oxide/cyclic GMP pathway in corpus cavernosum and facilitates penile erection in rats. *European Journal of Pharmacology*, **2003**, 458, 183-9	5.3	31
24	A cell-based microarrayed compound screening format for identifying agonists of G-protein-coupled receptors. *Analytical Biochemistry*, **2003**, 321, 192-201	3.1	21
23	Reperfusion of ischemic corporal tissue: physiologic and biochemical changes in an animal model of ischemic priapism. *Urology*, **2003**, 62, 760-4	1.6	46
22	A-350619: a novel activator of soluble guanylyl cyclase. *Life Sciences*, **2003**, 72, 1015-25	6.8	54
21	Reconstitution of human corpus cavernosum smooth muscle in vitro and in vivo. *Tissue Engineering*, **2002**, 8, 515-24		76
20	Neurologic erectile dysfunction. *Urologic Clinics of North America*, **2001**, 28, 289-308	2.9	54
19	CORPOREAL STRUCTURAL AND VASCULAR MICRO ARCHITECTURE WITH X-RAY MICRO COMPUTERIZED TOMOGRAPHY IN NORMAL AND DIABETIC RABBITS: HISTOPATHOLOGICAL CORRELATION. *Journal of Urology*, **2001**, 165, 1776-1782	2.5	36
18	O2-dependent prostanoid synthesis activates functional PGE receptors on corpus cavernosum smooth muscle. *American Journal of Physiology - Heart and Circulatory Physiology*, **2001**, 281, H552-8	5.2	46
17	Hypoxia-activated ligand HAL-1/13 is lupus autoantigen Ku80 and mediates lymphoid cell adhesion in vitro. *American Journal of Physiology - Cell Physiology*, **2001**, 280, C897-911	5.4	26
16	Cross-regulation of intracellular cGMP and cAMP in cultured human corpus cavernosum smooth muscle cells. *Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications*, **2000**, 4, 10-4		41
15	Effects of castration and androgen replacement on erectile function in a rabbit model. *Endocrinology*, **1999**, 140, 1861-8	4.8	260

14	Sildenafil Citrate, a Selective Phosphodiesterase Type 5 Inhibitor:. *Trends in Endocrinology and Metabolism*, **1999**, 10, 97-104	8.8	91
13	Development of human and rabbit vaginal smooth muscle cell cultures: effects of vasoactive agents on intracellular levels of cyclic nucleotides. *Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications*, **1999**, 2, 131-7		37
12	Pharmacotherapeutic advances in the treatment of erectile dysfunction. *Mayo Clinic Proceedings*, **1999**, 74, 709-21	6.4	43
11	The expression of functional postsynaptic alpha2-adrenoceptors in the corpus cavernosum smooth muscle. *British Journal of Pharmacology*, **1998**, 123, 1237-45	8.6	28
10	Sildenafil, a novel inhibitor of phosphodiesterase type 5 in human corpus cavernosum smooth muscle cells. *Life Sciences*, **1998**, 62, PL 309-18	6.8	141
9	Sildenafil inhibits phosphodiesterase type 5 in human clitoral corpus cavernosum smooth muscle. *Biochemical and Biophysical Research Communications*, **1998**, 249, 612-7	3.4	124
8	Mechanisms of venous leakage: a prospective clinicopathological correlation of corporeal function and structure. *Journal of Urology*, **1996**, 156, 1320-9	2.5	221
7	Prostanoid Production in Rabbit Corpus Cavernosum: I. Regulation by Oxygen Tension. *Journal of Urology*, **1996**, 155, 1482-1487	2.5	57
6	Implications of prostate micrometastases in pelvic lymph nodes: an archival tissue study. *Urology*, **1996**, 47, 370-5	1.6	73
5	Mechanisms of Venous Leakage. *Journal of Urology*, **1996**, 1320-1329	2.5	13
4	Possible role of Na(+)-K(+)-ATPase in the regulation of human corpus cavernosum smooth muscle contractility by nitric oxide. *British Journal of Pharmacology*, **1995**, 116, 2201-6	8.6	69
3	A rapid and simple method for the detection of prostate-specific antigen mRNA in archival tissue specimens using a reverse transcription-polymerase chain reaction assay. *Urology*, **1995**, 45, 597-603	1.6	23
2	Investigative Urology: PGE sub 1 Suppresses the Induction of Collagen Synthesis by Transforming Growth Factor-beta sub 1 in Human Corpus Cavernosum Smooth Muscle. *Journal of Urology*, **1995**, 153, 826-834	2.5	202
1	Investigative Urology. *Journal of Urology*, **1995**, 826-834	2.5	10