Emma T van der Westhuizen

List of Publications by Citations

29 papers	1,405 citations	19 h-index	31 g-index
31 ext. papers	1,637 ext. citations	7.3 avg, IF	4.28 L-index

#	Paper	IF	Citations
29	Relaxin family peptides and their receptors. *Physiological Reviews*, **2013**, 93, 405-80	47.9	345
28	Quantification of ligand bias for clinically relevant 2-adrenergic receptor ligands: implications for drug taxonomy. *Molecular Pharmacology*, **2014**, 85, 492-509	4.3	165
27	Endogenous allosteric modulators of G protein-coupled receptors. *Journal of Pharmacology and Experimental Therapeutics*, **2015**, 353, 246-60	4.7	97
26	Structural insights into binding specificity, efficacy and bias of a AR partial agonist. *Nature Chemical Biology*, **2018**, 14, 1059-1066	11.7	96
25	Relaxin family peptide receptors--former orphans reunite with their parent ligands to activate multiple signalling pathways. *British Journal of Pharmacology*, **2007**, 150, 677-91	8.6	80
24	Impedance responses reveal adrenergic receptor signaling pluridimensionality and allow classification of ligands with distinct signaling profiles. *PLoS ONE*, **2012**, 7, e29420	3.7	77
23	The relaxin family peptide receptor 3 activates extracellular signal-regulated kinase 1/2 through a protein kinase C-dependent mechanism. *Molecular Pharmacology*, **2007**, 71, 1618-29	4.3	67
22	Multiple ramp domains are required for generation of amylin receptor phenotype from the calcitonin receptor gene product. *Biochemical and Biophysical Research Communications*, **2000**, 267, 368-72	3.4	67
21	FSH-regulated gene expression profiles in ovarian tumours and normal ovaries. *Molecular Human Reproduction*, **2002**, 8, 426-33	4.4	60
20	Relaxin family peptide receptors--from orphans to therapeutic targets. *Drug Discovery Today*, **2008**, 13, 640-51	8.8	56
19	Effect of the emotional freedom technique on perceived stress, quality of life, and cortisol salivary levels in tension-type headache sufferers: a randomized controlled trial. *Explore: the Journal of Science and Healing*, **2013**, 9, 91-9	1.4	34
18	Inhibin-activin receptor subunit gene expression in ovarian tumors. *Journal of Clinical Endocrinology and Metabolism*, **2002**, 87, 1395-401	5.6	34
17	Purinergic Receptor Transactivation by the -Adrenergic Receptor Increases Intracellular Ca in Nonexcitable Cells. *Molecular Pharmacology*, **2017**, 91, 533-544	4.3	32
16	Relaxin family peptide receptor (RXFP1) coupling to G(alpha)i3 involves the C-terminal Arg752 and localization within membrane Raft Microdomains. *Molecular Pharmacology*, **2009**, 75, 415-28	4.3	28
15	Responses of GPCR135 to human gene 3 (H3) relaxin in CHO-K1 cells determined by microphysiometry. *Annals of the New York Academy of Sciences*, **2005**, 1041, 332-7	6.5	28
14	Crystal structure of the M muscarinic acetylcholine receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 26001-26007	11.5	27
13	H2 relaxin is a biased ligand relative to H3 relaxin at the relaxin family peptide receptor 3 (RXFP3). *Molecular Pharmacology*, **2010**, 77, 759-72	4.3	25

12	Relaxin receptors--new drug targets for multiple disease states. *Current Drug Targets*, **2007**, 8, 91-104	3	22
11	Exploring use of unsupervised clustering to associate signaling profiles of GPCR ligands to clinical response. *Nature Communications*, **2019**, 10, 4075	17.4	20
10	Synthesis and Pharmacological Evaluation of Heterocyclic Carboxamides: Positive Allosteric Modulators of the M Muscarinic Acetylcholine Receptor with Weak Agonist Activity and Diverse Modulatory Profiles. *Journal of Medicinal Chemistry*, **2018**, 61, 2875-2894	8.3	10
9	Assessment of the Molecular Mechanisms of Action of Novel 4-Phenylpyridine-2-One and 6-Phenylpyrimidin-4-One Allosteric Modulators at the M Muscarinic Acetylcholine Receptors. *Molecular Pharmacology*, **2018**, 94, 770-783	4.3	8
8	Roles of the receptor, the ligand, and the cell in the signal transduction pathways utilized by the relaxin family peptide receptors 1-3. *Annals of the New York Academy of Sciences*, **2009**, 1160, 99-104	6.5	8
7	Fine Tuning Muscarinic Acetylcholine Receptor Signaling Through Allostery and Bias. *Frontiers in Pharmacology*, **2020**, 11, 606656	5.6	7
6	6-Phenylpyrimidin-4-ones as Positive Allosteric Modulators at the M mAChR: The Determinants of Allosteric Activity. *ACS Chemical Neuroscience*, **2019**, 10, 1099-1114	5.7	6
5	Development of Novel 4-Arylpyridin-2-one and 6-Arylpyrimidin-4-one Positive Allosteric Modulators of the M Muscarinic Acetylcholine Receptor. *ChemMedChem*, **2021**, 16, 216-233	3.7	3
4	Addition of a carboxy-terminal green fluorescent protein does not alter the binding and signaling properties of relaxin family Peptide receptor 3. *Annals of the New York Academy of Sciences*, **2009**, 1160, 105-7	6.5	1
3	Identification of a Novel Allosteric Site at the M Muscarinic Acetylcholine Receptor. *ACS Chemical Neuroscience*, **2021**, 12, 3112-3123	5.7	1
2	Restoring Agonist Function at a Chemogenetically Modified M Muscarinic Acetylcholine Receptor. *ACS Chemical Neuroscience*, **2020**, 11, 4270-4279	5.7	0
1	Insulin-Like Peptide 5 (INSL5) **2008**, 1-4		