Roger J Summers

List of Publications by Year
in descending order

308 papers	13,559 citations	18482 62 h-index	33894 99 g-index
311 all docs	311 docs citations	311 times ranked	6891 citing authors

#	Article	IF	Citations
1	Relaxin Family Peptides and Their Receptors. Physiological Reviews, 2013, 93, 405-480.	28.8	447
2	INSL3/Leydig Insulin-like Peptide Activates the LGR8 Receptor Important in Testis Descent. Journal of Biological Chemistry, 2002, 277, 31283-31286.	3.4	369
3	Human Relaxin Gene 3 (H3) and the Equivalent Mouse Relaxin (M3) Gene. Journal of Biological Chemistry, 2002, 277, 1148-1157.	3.4	340
4	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G proteinâ€coupled receptors. British Journal of Pharmacology, 2021, 178, S27-S156.	5.4	337
5	Paracrine regulation of mammalian oocyte maturation and male germ cell survival. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7323-7328.	7.1	307
6	International Union of Pharmacology LVII: Recommendations for the Nomenclature of Receptors for Relaxin Family Peptides. Pharmacological Reviews, 2006, 58, 7-31.	16.0	300
7	Relaxin Modulates Cardiac Fibroblast Proliferation, Differentiation, and Collagen Production and Reverses Cardiac Fibrosis in Vivo. Endocrinology, 2004, 145, 4125-4133.	2.8	264
8	H3 Relaxin Is a Specific Ligand for LGR7 and Activates the Receptor by Interacting with Both the Ectodomain and the Exoloop 2. Journal of Biological Chemistry, 2003, 278, 7855-7862.	3.4	250
9	Restricted, but abundant, expression of the novel rat geneâ€3 (R3) relaxin in the dorsal tegmental region of brain. Journal of Neurochemistry, 2002, 82, 1553-1557.	3.9	184
10	Relaxin-3 in GABA projection neurons of nucleus incertus suggests widespread influence on forebrain circuits via G-protein-coupled receptor-135 in the rat. Neuroscience, 2007, 144, 165-190.	2.3	183
11	Evolution of the relaxin-like peptide family. BMC Evolutionary Biology, 2005, 5, 14.	3.2	180
12	Relaxin Reverses Cardiac and Renal Fibrosis in Spontaneously Hypertensive Rats. Hypertension, 2005, 46, 412-418.	2.7	175
13	INSL5 Is a High Affinity Specific Agonist for GPCR142 (GPR100). Journal of Biological Chemistry, 2005, 280, 292-300.	3.4	167
14	Relaxin deficiency in mice is associated with an ageâ€related progression of pulmonary fibrosis. FASEB Journal, 2003, 17, 121-123.	0.5	164
15	Reproductive Biology of the Relaxin-Like Factor (RLF/INSL3)1. Biology of Reproduction, 2002, 67, 699-705.	2.7	156
16	Cardiovascular effects of relaxin: from basic science to clinical therapy. Nature Reviews Cardiology, 2010, 7, 48-58.	13.7	153
17	Relaxin-3:Â Improved Synthesis Strategy and Demonstration of Its High-Affinity Interaction with the Relaxin Receptor LGR7 BothIn VitroandIn Vivoâ€. Biochemistry, 2006, 45, 1043-1053.	2.5	147
18	Ligandâ€directed signalling at Î²â€adrenoceptors. British Journal of Pharmacology, 2010, 159, 1022-1038.	5.4	141

#	Article	IF	Citations
19	Characterization of Novel Splice Variants of LGR7 and LGR8 Reveals That Receptor Signaling Is Mediated by Their Unique Low Density Lipoprotein Class A Modules. Journal of Biological Chemistry, 2006, 281, 34942-34954.	3.4	133
20	The role of insulin 3, testosterone, Mullerian inhibiting substance and relaxin in rat gubernacular growth. Molecular Human Reproduction, 2002, 8, 900-905.	2.8	132
21	R3(BÎ”23â€“27)R/I5 Chimeric Peptide, a Selective Antagonist for GPCR135 and GPCR142 over Relaxin Receptor LGR7. Journal of Biological Chemistry, 2007, 282, 25425-25435.	3.4	131
22	Relaxin Family Peptide Receptors RXFP1 and RXFP2 Modulate cAMP Signaling by Distinct Mechanisms. Molecular Pharmacology, 2006, 70, 214-226.	2.3	127
23	Relaxin inhibits renal myofibroblast differentiation<i>via</i>RXFP1, the nitric oxide pathway, and Smad2. FASEB Journal, 2009, 23, 1219-1229.	0.5	127
24	Distribution of relaxinâ€3 and RXFP3 within arousal, stress, affective, and cognitive circuits of mouse brain. Journal of Comparative Neurology, 2010, 518, 4016-4045.	1.6	123
25	Adrenoceptors and Their Second Messenger Systems. Journal of Neurochemistry, 1993, 60, 10-23.	3.9	117
26	International Union of Basic and Clinical Pharmacology. XCV. Recent Advances in the Understanding of the Pharmacology and Biological Roles of Relaxin Family Peptide Receptors 1â€“4, the Receptors for Relaxin Family Peptides. Pharmacological Reviews, 2015, 67, 389-440.	16.0	115
27	Swim stress excitation of nucleus incertus and rapid induction of relaxin-3 expression via CRF1 activation. Neuropharmacology, 2010, 58, 145-155.	4.1	113
28	Multiple Binding Sites Revealed by Interaction of Relaxin Family Peptides with Native and Chimeric Relaxin Family Peptide Receptors 1 and 2 (LGR7 and LGR8). Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 677-687.	2.5	111
29	Expression of the Insulin-Like Peptide 3 (INSL3) Hormone-Receptor (LGR8) System in the Testis1. Biology of Reproduction, 2006, 74, 945-953.	2.7	110
30	Relaxin-Like Factor Gene is Highly Expressed in the Bovine Ovary of the Cycle and Pregnancy: Sequence and Messenger Ribonucleic Acid Analysis1. Biology of Reproduction, 1996, 55, 1452-1457.	2.7	108
31	Relaxin Signals through a RXFP1-pERK-nNOS-NO-cGMP-Dependent Pathway to Up-Regulate Matrix Metalloproteinases: The Additional Involvement of iNOS. PLoS ONE, 2012, 7, e42714.	2.5	102
32	Improving Type 2 Diabetes Through a Distinct Adrenergic Signaling Pathway Involving mTORC2 That Mediates Glucose Uptake in Skeletal Muscle. Diabetes, 2014, 63, 4115-4129.	0.6	101
33	Relaxin Family Peptide Receptors - former orphans reunite with their parent ligands to activate multiple signalling pathways. British Journal of Pharmacology, 2007, 150, 677-691.	5.4	100
34	Relaxin: new peptides, receptors and novel actions. Trends in Endocrinology and Metabolism, 2003, 14, 207-213.	7.1	99
35	Relaxin-1â€“deficient mice develop an age-related progression of renal fibrosis. Kidney International, 2004, 65, 2054-2064.	5.2	98
36	Relaxin requires the angiotensin II type 2 receptor to abrogate renal interstitial fibrosis. Kidney International, 2014, 86, 75-85.	5.2	98

#	Article	IF	Citations
37	Relaxin down-regulates renal fibroblast function and promotes matrix remodelling in vitro. Nephrology Dialysis Transplantation, 2004, 19, 544-552.	0.7	97
38	Solution Structure and Novel Insights into the Determinants of the Receptor Specificity of Human Relaxin-3. Journal of Biological Chemistry, 2006, 281, 5845-5851.	3.4	93
39	Relaxin remodels fibrotic healing following myocardial infarction. Laboratory Investigation, 2011, 91, 675-690.	3.7	93
40	G Proteinâ€“Coupled Receptors Targeting Insulin Resistance, Obesity, and Type 2 Diabetes Mellitus. Pharmacological Reviews, 2018, 70, 39-67.	16.0	88
41	Membrane receptors: Structure and function of the relaxin family peptide receptors. Molecular and Cellular Endocrinology, 2010, 320, 1-15.	3.2	87
42	Design, Synthesis, and Characterization of a Single-Chain Peptide Antagonist for the Relaxin-3 Receptor RXFP3. Journal of the American Chemical Society, 2011, 133, 4965-4974.	13.7	86
43	The A-chain of Human Relaxin Family Peptides Has Distinct Roles in the Binding and Activation of the Different Relaxin Family Peptide Receptors. Journal of Biological Chemistry, 2008, 283, 17287-17297.	3.4	85
44	Minimization of Human Relaxin-3 Leading to High-Affinity Analogues with Increased Selectivity for Relaxin-Family Peptide 3 Receptor (RXFP3) over RXFP1. Journal of Medicinal Chemistry, 2012, 55, 1671-1681.	6.4	84
45	The Relaxin Gene-Knockout Mouse: A Model of Progressive Fibrosis. Annals of the New York Academy of Sciences, 2005, 1041, 173-181.	3.8	83
46	Relaxin Antagonizes Hypertrophy and Apoptosis in Neonatal Rat Cardiomyocytes. Endocrinology, 2007, 148, 1582-1589.	2.8	83
47	The Relaxin Family Peptide Receptor 3 Activates Extracellular Signal-Regulated Kinase 1/2 through a Protein Kinase C-Dependent Mechanism. Molecular Pharmacology, 2007, 71, 1618-1629.	2.3	81
48	Ligand-Directed Signaling at the Î²₃-Adrenoceptor Produced by 3-(2-Ethylphenoxy)-1-[(1,<i>S</i>)-1,2,3,4-tetrahydronapth-1-ylamino]-2<i>S</i>-2-propanol oxalate (SR59230A) Relative to Receptor Agonists. Molecular Pharmacology, 2007, 72, 1359-1368.	2.3	80
49	Analogs of Insulin-like Peptide 3 (INSL3) B-chain Are LGR8 Antagonists in Vitro and in Vivo. Journal of Biological Chemistry, 2006, 281, 13068-13074.	3.4	78
50	â€˜Relaxinâ€™ the stiffened heart and arteries: The therapeutic potential for relaxin in the treatment of cardiovascular disease. , 2006, 112, 529-552.		77
51	Synthesis, Conformation, and Activity of Human Insulinâ€Like Peptide 5 (INSL5). ChemBioChem, 2008, 9, 1816-1822.	2.6	77
52	Solution Structure and Characterization of the LGR8 Receptor Binding Surface of Insulin-like Peptide 3. Journal of Biological Chemistry, 2006, 281, 28287-28295.	3.4	73
53	Stimulation of Î±₁â€adrenoceptors in rat kidney mediates increased inositol phospholipid hydrolysis. British Journal of Pharmacology, 1987, 91, 367-376.	5.4	72
54	Splice variants of the relaxin and INSL3 receptors reveal unanticipated molecular complexity. Molecular Human Reproduction, 2005, 11, 591-600.	2.8	72

#	Article	IF	Citations
55	Relaxin family peptides: structureâ€"activity relationship studies. British Journal of Pharmacology, 2017, 174, 950-961.	5.4	72
56	INSL3/RXFP2 Signaling in Testicular Descent. Annals of the New York Academy of Sciences, 2009, 1160, 197-204.	3.8	70
57	A single-chain derivative of the relaxin hormone is a functionally selective agonist of the G protein-coupled receptor, RXFP1. Chemical Science, 2016, 7, 3805-3819.	7.4	70
58	The actions of relaxin on the human cardiovascular system. British Journal of Pharmacology, 2017, 174, 933-949.	5.4	69
59	Solid phase synthesis and structural analysis of novel A-chain dicarba analogs of human relaxin-3 (INSL7) that exhibit full biological activity. Organic and Biomolecular Chemistry, 2009, 7, 1547.	2.8	68
60	Serelaxinâ€mediated signal transduction in human vascular cells: bellâ€shaped concentrationâ€"response curves reflect differential coupling to <scp>G</scp> proteins. British Journal of Pharmacology, 2015, 172, 1005-1019.	5.4	67
61	A Novel Ultra-Stable, Monomeric Green Fluorescent Protein For Direct Volumetric Imaging of Whole Organs Using CLARITY. Scientific Reports, 2018, 8, 667.	3.3	66
62	Dynamic Changes in the Expression of Relaxin-Like Factor (Insl3), Cholesterol Side-Chain Cleavage Cytochrome P450, and 3Î²-Hydroxysteroid Dehydrogenase in Bovine Ovarian Follicles During Growth and Atresia1. Biology of Reproduction, 2002, 66, 934-943.	2.7	65
63	Relaxin family peptide receptors â€" from orphans to therapeutic targets. Drug Discovery Today, 2008, 13, 640-651.	6.4	65
64	Prevention of Bleomycin-Induced Pulmonary Fibrosis by a Novel Antifibrotic Peptide with Relaxin-Like Activity. Journal of Pharmacology and Experimental Therapeutics, 2010, 335, 589-599.	2.5	64
65	Modulation of feeding by chronic rAAV expression of a relaxin-3 peptide agonist in rat hypothalamus. Gene Therapy, 2013, 20, 703-716.	4.5	64
66	Functional link between bone morphogenetic proteins and insulin-like peptide 3 signaling in modulating ovarian androgen production. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1426-35.	7.1	63
67	Relaxin Therapy Reverses Large Artery Remodeling and Improves Arterial Compliance in Senescent Spontaneously Hypertensive Rats. Hypertension, 2010, 55, 1260-1266.	2.7	61
68	Inotropic responses to human gene 2 (B29) relaxin in a rat model of myocardial infarction (MI): effect of pertussis toxin. British Journal of Pharmacology, 2002, 137, 710-718.	5.4	58
69	Relaxin signaling in reproductive tissues. Molecular and Cellular Endocrinology, 2003, 202, 165-170.	3.2	57
70	Characterization of the Rat INSL3 Receptor. Annals of the New York Academy of Sciences, 2005, 1041, 13-16.	3.8	56
71	Mouse Î²3a - and Î²3b -adrenoceptors expressed in Chinese hamster ovary cells display identical pharmacology but utilize distinct signalling pathways. British Journal of Pharmacology, 2002, 135, 1903-1914.	5.4	55
72	The NMR Solution Structure of the Relaxin (RXFP1) Receptor Lipoprotein Receptor Class A Module and Identification of Key Residues in the N-terminal Region of the Module That Mediate Receptor Activation. Journal of Biological Chemistry, 2007, 282, 4172-4184.	3.4	54

#	Article	IF	Citations
73	Solid-Phase Synthesis of Europium-Labeled Human INSL3 as a Novel Probe for the Study of Ligandâ˘Receptor Interactions. Bioconjugate Chemistry, 2008, 19, 1456-1463.	3.6	54
74	Comparison of Signaling Pathways Activated by the Relaxin Family Peptide Receptors, RXFP1 and RXFP2, Using Reporter Genes. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 281-290.	2.5	53
75	Defining the LGR8 Residues Involved in Binding Insulin-Like Peptide 3. Molecular Endocrinology, 2007, 21, 1699-1712.	3.7	53
76	The chemically synthesized human relaxin-2 analog, B-R13/17K H2, is an RXFP1 antagonist. Amino Acids, 2010, 39, 409-416.	2.7	53
77	The Evolution of the Relaxin Peptide Family and Their Receptors. Advances in Experimental Medicine and Biology, 2007, 612, 1-13.	1.6	53
78	Expression and Regulation of Relaxin-Like Factor Gene Transcripts in the Bovine Ovary: Differentiation-Dependent Expression in Theca Cell Cultures1. Biology of Reproduction, 1999, 61, 1090-1098.	2.7	52
79	The Minimal Active Structure of Human Relaxin-2. Journal of Biological Chemistry, 2011, 286, 37555-37565.	3.4	52
80	ML290 is a biased allosteric agonist at the relaxin receptor RXFP1. Scientific Reports, 2017, 7, 2968.	3.3	50
81	The Effects of Relaxin and Estrogen Deficiency on Collagen Deposition and Hypertrophy of Nonreproductive Organs. Endocrinology, 2006, 147, 5575-5583.	2.8	48
82	Improved Chemical Synthesis and Demonstration of the Relaxin Receptor Binding Affinity and Biological Activity of Mouse Relaxin. Biochemistry, 2007, 46, 5374-5381.	2.5	48
83	Adenovirus-mediated delivery of relaxin reverses cardiac fibrosis. Molecular and Cellular Endocrinology, 2008, 280, 30-38.	3.2	48
84	Cooperative Binding of Insulin-Like Peptide 3 to a Dimeric Relaxin Family Peptide Receptor 2. Endocrinology, 2008, 149, 1113-1120.	2.8	48
85	Elucidation of relaxin-3 binding interactions in the extracellular loops of RXFP3. Frontiers in Endocrinology, 2013, 4, 13.	3.5	48
86	Expression of LGR7 and LGR8 by Neonatal Porcine Uterine Tissues and Transmission of Milk-Borne Relaxin into the Neonatal Circulation by Suckling. Endocrinology, 2006, 147, 4303-4310.	2.8	47
87	Structure and Function Relationship of Murine Insulin-like Peptide 5 (INSL5): Free C-Terminus Is Essential for RXFP4 Receptor Binding and Activation. Biochemistry, 2011, 50, 8352-8361.	2.5	46
88	The Different Ligand-Binding Modes of Relaxin Family Peptide Receptors RXFP1 and RXFP2. Molecular Endocrinology, 2012, 26, 1896-1906.	3.7	45
89	Characterization and localization of oxytocin receptors in the rat testis. Journal of Endocrinology, 1994, 141, 343-352.	2.6	44
90	Negative cooperativity in H2 relaxin binding to a dimeric relaxin family peptide receptor 1. Molecular and Cellular Endocrinology, 2008, 296, 10-17.	3.2	44

#	Article	IF	Citations
91	Prolonged RXFP1 and RXFP2 signaling can be explained by poor internalization and a lack of Î²-arrestin recruitment. American Journal of Physiology - Cell Physiology, 2009, 296, C1058-C1066.	4.6	44
92	The Structure and Regulation of the Oxytocin Receptor. Experimental Physiology, 2001, 86, 289-296.	2.0	43
93	Regioselective Disulfide Solid Phase Synthesis, Chemical Characterization and In Vitro Receptor Binding Activity of Equine Relaxin. International Journal of Peptide Research and Therapeutics, 2006, 12, 211-215.	1.9	43
94	The role of the sympathetic nervous system in the regulation of leptin synthesis in C57BL/6 mice. FEBS Letters, 1999, 444, 149-154.	2.8	42
95	Receptors for Relaxin Family Peptides. Annals of the New York Academy of Sciences, 2005, 1041, 61-76.	3.8	42
96	Structure of the R3/I5 Chimeric Relaxin Peptide, a Selective GPCR135 and GPCR142 Agonist. Journal of Biological Chemistry, 2008, 283, 23811-23818.	3.4	42
97	Development of a Single-Chain Peptide Agonist of the Relaxin-3 Receptor Using Hydrocarbon Stapling. Journal of Medicinal Chemistry, 2016, 59, 7445-7456.	6.4	42
98	Murine GPRC6A Mediates Cellular Responses to L-Amino Acids, but Not Osteocalcin Variants. PLoS ONE, 2016, 11, e0146846.	2.5	42
99	Evidence for a Local Fetal Influence on Myometrial Oxytocin Receptors during Pregnancy in the Tammar Wallaby (Macropus eugenii)1. Biology of Reproduction, 1997, 56, 200-207.	2.7	41
100	Bovine endometrial epithelial cells as a model system to study oxytocin receptor regulation. Human Reproduction Update, 1998, 4, 605-614.	10.8	40
101	Coevolution of the Relaxin-Like Peptides and Their Receptors. Annals of the New York Academy of Sciences, 2005, 1041, 534-539.	3.8	40
102	Nucleus incertus promotes cortical desynchronization and behavioral arousal. Brain Structure and Function, 2017, 222, 515-537.	2.3	40
103	Identification of the N-Linked Glycosylation Sites of the Human Relaxin Receptor and Effect of Glycosylation on Receptor Function. Biochemistry, 2008, 47, 6953-6968.	2.5	38
104	Endogenous Relaxin Does Not Affect Chronic Pressure Overload-Induced Cardiac Hypertrophy and Fibrosis. Endocrinology, 2008, 149, 476-482.	2.8	38
105	The PPARÎ³ agonist rosiglitazone promotes the induction of brite adipocytes, increasing Î²-adrenoceptor-mediated mitochondrial function and glucose uptake. Cellular Signalling, 2018, 42, 54-66.	3.6	38
106	Desensitization and resensitization of Î²1 - and putative Î²4 -adrenoceptor mediated responses occur in parallel in a rat model of cardiac failure. British Journal of Pharmacology, 1999, 128, 1399-1406.	5.4	37
107	Site-specific conjugation of a lanthanide chelator and its effects on the chemical synthesis and receptor binding affinity of human relaxin-2 hormone. Biochemical and Biophysical Research Communications, 2012, 420, 253-256.	2.1	37
108	An apically located hybrid guanylate cyclaseâ€“ATPase is critical for the initiation of Ca2+ signaling and motility in Toxoplasma gondii. Journal of Biological Chemistry, 2019, 294, 8959-8972.	3.4	37

#	Article	IF	Citations
109	Î² 1 -Adrenoceptors compensate for Î² 3 -adrenoceptors in ileum from Î² 3 -adrenoceptor knock-out mice. British Journal of Pharmacology, 2001, 132, 433-442.	5.4	36
110	Physiology and Molecular Biology of the Relaxin Peptide Family. , 2006, , 679-768.		36
111	Minimum Active Structure of Insulin-like Peptide 5. Journal of Medicinal Chemistry, 2013, 56, 9509-9516.	6.4	36
112	Improving the apo-state detergent stability of NTS1 with CHESS for pharmacological and structural studies. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2817-2824.	2.6	36
113	Role of the intra-A-chain disulfide bond of insulin-like peptide 3 in binding and activation of its receptor, RXFP2. Peptides, 2010, 31, 1730-1736.	2.4	35
114	AT1R-AT2R-RXFP1 Functional Crosstalk in Myofibroblasts: Impact on the Therapeutic Targeting of Renal and Cardiac Fibrosis. Journal of the American Society of Nephrology: JASN, 2019, 30, 2191-2207.	6.1	35
115	The role of N-terminal glycosylation in the human oxytocin receptor. Molecular Human Reproduction, 1997, 3, 957-963.	2.8	34
116	Relaxin Activates Multiple cAMP Signaling Pathway Profiles in Different Target Cells. Annals of the New York Academy of Sciences, 2009, 1160, 108-111.	3.8	34
117	Investigation of Interactions at the Extracellular Loops of the Relaxin Family Peptide Receptor 1 (RXFP1). Journal of Biological Chemistry, 2014, 289, 34938-34952.	3.4	34
118	H2 Relaxin Is a Biased Ligand Relative to H3 Relaxin at the Relaxin Family Peptide Receptor 3 (RXFP3). Molecular Pharmacology, 2010, 77, 759-772.	2.3	33
119	Increased feeding and body weight gain in rats after acute and chronic activation of RXFP3 by relaxin-3 and receptor-selective peptides. Behavioural Pharmacology, 2012, 23, 516-525.	1.7	33
120	Mesotocin Gene Expression in the Diencephalon of Domestic Fowl: Cloning and Sequencing of the MT cDNA and Distribution of MT Gene Expressing Neurons in the Chicken Hypothalamus. Journal of Neuroendocrinology, 1997, 9, 777-787.	2.6	32
121	Increased Expression of the Relaxin Receptor (LGR7) in Human Endometrium during the Secretory Phase of the Menstrual Cycle. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 3477-3485.	3.6	32
122	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, 332-337.	3.8	32
123	Synthesis, conformation, receptor binding and biological activities of monobiotinylated human insulin-like peptide 3*. Chemical Biology and Drug Design, 2008, 63, 91-98.	1.1	32
124	Relaxin family peptide systems and the central nervous system. Cellular and Molecular Life Sciences, 2010, 67, 2327-2341.	5.4	32
125	Characterization of propranololâ€resistant (â^')â€[¹²⁵I]â€cyanopindolol binding sites in rat soleus muscle. British Journal of Pharmacology, 1993, 109, 344-352.	5.4	31
126	Chemical synthesis and biological activity of rat INSL3. Journal of Peptide Science, 2001, 7, 495-501.	1.4	31

#	Article	IF	Citations
127	Localization of LGR7 (Relaxin Receptor) mRNA and Protein in Rat Forebrain: Correlation with Relaxin Binding Site Distribution. Annals of the New York Academy of Sciences, 2005, 1041, 205-210.	3.8	31
128	Relaxin Family Peptide Receptor (RXFP1) Coupling to GÎ±_{i3}Involves the C-Terminal Arg⁷⁵²and Localization within Membrane Raft Microdomains. Molecular Pharmacology, 2009, 75, 415-428.	2.3	31
129	Relaxin Family Peptides and Receptors in Mammalian Brain. Annals of the New York Academy of Sciences, 2009, 1160, 226-235.	3.8	31
130	The Effects of Human GH and Its Lipolytic Fragment (AOD9604) on Lipid Metabolism Following Chronic Treatment in Obese Mice andÎ² 3-AR Knock-Out Mice. Endocrinology, 2001, 142, 5182-5189.	2.8	30
131	Transcriptional Regulation of the Bovine Oxytocin Receptor Gene1. Biology of Reproduction, 2003, 68, 1015-1026.	2.7	30
132	IDENTIFICATION AND CHARACTERIZATION OF THE MOUSE AND RAT RELAXIN RECEPTORS AS THE NOVEL ORTHOLOGUES OF HUMAN LEUCINE-RICH REPEAT-CONTAINING G-PROTEIN-COUPLED RECEPTOR 7. Clinical and Experimental Pharmacology and Physiology, 2004, 31, 828-832.	1.9	30
133	Chemically synthesized dicarba H2 relaxin analogues retain strong RXFP1 receptor activity but show an unexpected loss of in vitro serum stability. Organic and Biomolecular Chemistry, 2015, 13, 10895-10903.	2.8	30
134	Engineering of a Novel Simplified Human Insulin-Like Peptide 5 Agonist. Journal of Medicinal Chemistry, 2016, 59, 2118-2125.	6.4	30
135	Signal transduction pathways activated by insulinâ€like peptide 5 at the relaxin family peptide RXFP4 receptor. British Journal of Pharmacology, 2017, 174, 1077-1089.	5.4	30
136	Divergent effects of strontium and calciumâ€sensing receptor positive allosteric modulators (calcimimetics) on human osteoclast activity. British Journal of Pharmacology, 2018, 175, 4095-4108.	5.4	29
137	Comparative genotypic and phenotypic analysis of human peripheral blood monocytes and surrogate monocyte-like cell lines commonly used in metabolic disease research. PLoS ONE, 2018, 13, e0197177.	2.5	29
138	Î² 3 -Adrenoceptor regulation and relaxation responses in mouse ileum. British Journal of Pharmacology, 2000, 129, 1251-1259.	5.4	28
139	Physiological or pathological â€" a role for relaxin in the cardiovascular system?. Current Opinion in Pharmacology, 2003, 3, 152-158.	3.5	28
140	Synthetic human insulin 4 does not activate the G-protein-coupled receptors LGR7 or LGR8. Journal of Peptide Science, 2004, 10, 257-264.	1.4	28
141	Design and recombinant expression of insulin-like peptide 5 precursors and the preparation of mature human INSL5. Amino Acids, 2010, 39, 1343-1352.	2.7	28
142	Antifibrotic Actions of Serelaxin â€" New Roles for an Old Player. Trends in Pharmacological Sciences, 2016, 37, 485-497.	8.7	28
143	Characterization of the Mouse and Rat Relaxin Receptors. Annals of the New York Academy of Sciences, 2005, 1041, 8-12.	3.8	27
144	Solution Structure, Aggregation Behavior, and Flexibility of Human Relaxin-2. ACS Chemical Biology, 2015, 10, 891-900.	3.4	27

#	Article	IF	Citations
145	LGR7-Truncate Is a Splice Variant of the Relaxin Receptor LGR7 and Is a Relaxin Antagonistin Vitro. Annals of the New York Academy of Sciences, 2005, 1041, 22-26.	3.8	26
146	Determinants of Ligand Subtype-Selectivity at Î±_{1A}-Adrenoceptor Revealed Using Saturation Transfer Difference (STD) NMR. ACS Chemical Biology, 2018, 13, 1090-1102.	3.4	26
147	Understanding relaxin signalling at the cellular level. Molecular and Cellular Endocrinology, 2019, 487, 24-33.	3.2	26
148	Differential regulation of Î² 3 -adrenoceptors in gut and adipose tissue of genetically obese (ob/ob) C57BL/6J-mice. British Journal of Pharmacology, 1998, 124, 763-771.	5.4	25
149	Resolving the Unconventional Mechanisms Underlying RXFP1 and RXFP2 Receptor Function. Annals of the New York Academy of Sciences, 2009, 1160, 67-73.	3.8	25
150	The Relaxin Receptor (RXFP1) Utilizes Hydrophobic Moieties on a Signaling Surface of Its N-terminal Low Density Lipoprotein Class A Module to Mediate Receptor Activation. Journal of Biological Chemistry, 2013, 288, 28138-28151.	3.4	25
151	Relaxinâ€3 inputs target hippocampal interneurons and deletion of hilar relaxinâ€3 receptors in â€œfloxedâ€RXFP3â€•mice impairs spatial memory. Hippocampus, 2017, 27, 529-546.	1.9	25
152	Rosiglitazone and a Î²3-Adrenoceptor Agonist Are Both Required for Functional Browning of White Adipocytes in Culture. Frontiers in Endocrinology, 2018, 9, 249.	3.5	25
153	Probing the correlation between ligand efficacy and conformational diversity at the Î±1A-adrenoreceptor reveals allosteric coupling of its microswitches. Journal of Biological Chemistry, 2020, 295, 7404-7417.	3.4	25
154	Characterization and localization of atypical Î²â€adrenoceptors in rat ileum. British Journal of Pharmacology, 1995, 116, 2549-2556.	5.4	24
155	Leucine-rich repeat-containing G-protein-coupled receptor 8 in mature glomeruli of developing and adult rat kidney and inhibition by insulin-like peptide-3 of glomerular cell proliferation. Journal of Endocrinology, 2006, 189, 397-408.	2.6	24
156	Reversal of Cardiac Fibrosis and Related Dysfunction by Relaxin. Annals of the New York Academy of Sciences, 2009, 1160, 278-284.	3.8	24
157	Factors influencing biased agonism in recombinant cells expressing the human Î±_{1A}â€adrenoceptor. British Journal of Pharmacology, 2017, 174, 2318-2333.	5.4	24
158	CHARACTERIZATION AND LOCALIZATION OF [3H]-CLONIDINE BINDING IN MEMBRANES PREPARED FROM GUINEA-PIG SPLEEN. Clinical and Experimental Pharmacology and Physiology, 1982, 9, 77-87.	1.9	23
159	Evolution of the Relaxin-Like Peptide Family: From Neuropeptide to Reproduction. Annals of the New York Academy of Sciences, 2005, 1041, 530-533.	3.8	23
160	Relaxin Receptors - New Drug Targets for Multiple Disease States. Current Drug Targets, 2007, 8, 91-104.	2.1	23
161	Examination of relaxin and its receptors expression in pig gametes and embryos. Reproductive Biology and Endocrinology, 2011, 9, 10.	3.3	23
162	Design and development of analogues of dimers of insulinâ€like peptide 3 Bâ€chain as highâ€affinity antagonists of the RXFP2 receptor. Biopolymers, 2011, 96, 81-87.	2.4	23

#	Article	IF	Citations
163	Interaction with Caveolin-1 Modulates G Protein Coupling of Mouse Î²3-Adrenoceptor. Journal of Biological Chemistry, 2012, 287, 20674-20688.	3.4	23
164	Enhanced serelaxin signalling in coâ€cultures of human primary endothelial and smooth muscle cells. British Journal of Pharmacology, 2016, 173, 484-496.	5.4	23
165	Structureâ€“function analyses of a pertussis-like toxin from pathogenic Escherichia coli reveal a distinct mechanism of inhibition of trimeric G-proteins. Journal of Biological Chemistry, 2017, 292, 15143-15158.	3.4	23
166	Molecular biology of the oxytocin receptor: a comparative approach. Biochemical Society Transactions, 1997, 25, 1058-1066.	3.4	22
167	Restricted Expression of LGR8 in Intralaminar Thalamic Nuclei of Rat Brain Suggests a Role in Sensorimotor Systems. Annals of the New York Academy of Sciences, 2005, 1041, 510-515.	3.8	22
168	Design, synthesis and pharmacological evaluation of cyclic mimetics of the insulin-like peptide 3 (INSL3) B-chain. Journal of Peptide Science, 2007, 13, 113-120.	1.4	22
169	The Structural and Functional Role of the Bâ€chain Câ€terminal Arginine in the Relaxinâ€3 Peptide Antagonist, R3(BÎ”23â€27)R/I5. Chemical Biology and Drug Design, 2009, 73, 46-52.	3.2	22
170	Chronic activation of the relaxinâ€3 receptor on GABA neurons in rat ventral hippocampus promotes anxiety and social avoidance. Hippocampus, 2019, 29, 905-920.	1.9	22
171	Multi-Component Mechanism of H2 Relaxin Binding to RXFP1 through NanoBRET Kinetic Analysis. IScience, 2019, 11, 93-113.	4.1	22
172	Drug-receptor kinetics and sigma-1 receptor affinity differentiate clinically evaluated histamine H3 receptor antagonists. Neuropharmacology, 2019, 144, 244-255.	4.1	22
173	Stimulation of Î±1-adrenoceptors inhibits memory consolidation in the chick. European Journal of Neuroscience, 2001, 14, 1369-1376.	2.6	21
174	Neohormone systems as exciting targets for drug development. Trends in Endocrinology and Metabolism, 2006, 17, 123.	7.1	21
175	Identification of Key Residues Essential for the Structural Fold and Receptor Selectivity within the A-chain of Human Gene-2 (H2) Relaxin. Journal of Biological Chemistry, 2012, 287, 41152-41164.	3.4	21
176	Chimeric RXFP1 and RXFP2 Receptors Highlight the Similar Mechanism of Activation Utilizing Their N-Terminal Low-Density Lipoprotein Class A Modules. Frontiers in Endocrinology, 2013, 4, 171.	3.5	21
177	Isoform-Specific Biased Agonism of Histamine H₃Receptor Agonists. Molecular Pharmacology, 2017, 91, 87-99.	2.3	21
178	Familial bilateral cryptorchidism is caused by recessive variants in <i>RXFP2</i>. Journal of Medical Genetics, 2019, 56, 727-733.	3.2	21
179	Silencing Relaxin-3 in Nucleus Incertus of Adult Rodents: A Viral Vector-based Approach to Investigate Neuropeptide Function. PLoS ONE, 2012, 7, e42300.	2.5	20
180	Î± 1A -Adrenoceptors activate mTOR signalling and glucose uptake in cardiomyocytes. Biochemical Pharmacology, 2018, 148, 27-40.	4.4	20

#	Article	IF	Citations
181	Mesotocin Receptor Gene and Protein Expression in the Prostate Gland, but Not Testis, of the Tammar Wallaby, Macropus eugenii1. Biology of Reproduction, 1998, 59, 1101-1107.	2.7	19
182	Studies on Soluble Ectodomain Proteins of Relaxin (LGR7) and Insulin 3 (LGR8) Receptors. Annals of the New York Academy of Sciences, 2005, 1041, 35-39.	3.8	19
183	A simple approach for the preparation of mature human relaxin-3. Peptides, 2010, 31, 2083-2088.	2.4	19
184	Activation of Relaxin Family Receptor 1 from Different Mammalian Species by Relaxin Peptide and Small-Molecule Agonist ML290. Frontiers in Endocrinology, 2015, 6, 128.	3.5	19
185	The antiâ€fibrotic actions of relaxin are mediated through AT₂Râ€associated protein phosphatases via RXFP1â€AT₂R functional crosstalk in human cardiac myofibroblasts. FASEB Journal, 2020, 34, 8217-8233.	0.5	18
186	Effect of helix-promoting strategies on the biological activity of novel analogues of the B-chain of INSL3. Amino Acids, 2010, 38, 121-131.	2.7	17
187	Site-specific DOTA/europium-labeling of recombinant human relaxin-3 for receptor-ligand interaction studies. Amino Acids, 2012, 43, 983-992.	2.7	17
188	Label-free screening of single biomolecules through resistive pulse sensing technology for precision medicine applications. Nanotechnology, 2015, 26, 182502.	2.6	17
189	Label-Free Kinetics: Exploiting Functional Hemi-Equilibrium to Derive Rate Constants for Muscarinic Receptor Antagonists. Molecular Pharmacology, 2015, 88, 779-790.	2.3	17
190	The C-terminus of the B-chain of human insulin-like peptide 5 is critical for cognate RXFP4 receptor activity. Amino Acids, 2016, 48, 987-992.	2.7	17
191	Activation of Relaxinâ€Related Receptors by Short, Linear Peptides Derived from a Collagenâ€Containing Precursor. Annals of the New York Academy of Sciences, 2009, 1160, 78-86.	3.8	16
192	Modeling the Primary Hormoneâ€Binding Site of RXFP1 and RXFP2. Annals of the New York Academy of Sciences, 2009, 1160, 74-77.	3.8	16
193	The Structural Determinants of Insulin-Like Peptide 3 Activity. Frontiers in Endocrinology, 2012, 3, 11.	3.5	16
194	Relaxins enhance growth of spontaneous murine breast cancers as well as metastatic colonization of the brain. Clinical and Experimental Metastasis, 2014, 31, 57-65.	3.3	16
195	Chronic (?)-isoprenaline infusion down-regulates ?1- and ?2-adrenoceptors but does not transregulate muscarinic cholinoceptors in rat heart. Naunyn-Schmiedeberg's Archives of Pharmacology, 1996, 353, 213-25.	3.0	15
196	Regulation of the Oxytocin Receptor in Bovine Reproductive Tissues and the Role of Steroids. Reproduction in Domestic Animals, 2000, 35, 134.	1.4	15
197	Recombinant expression of an insulinâ€like peptide 3 (INSL3) precursor and its enzymatic conversion to mature human INSL3. FEBS Journal, 2009, 276, 5203-5211.	4.7	15
198	Dimerization and Negative Cooperativity in the Relaxin Family Peptide Receptors. Annals of the New York Academy of Sciences, 2009, 1160, 54-59.	3.8	15

#	Article	IF	Citations
199	Chemical synthesis and orexigenic activity of rat/mouse relaxin-3. Amino Acids, 2013, 44, 1529-1536.	2.7	15
200	Relaxin-2 Does Not Ameliorate Nephropathy in an Experimental Model of Type-1 Diabetes. Kidney and Blood Pressure Research, 2015, 40, 77-88.	2.0	15
201	Challenges in the design of insulin and relaxin/insulin-like peptide mimetics. Bioorganic and Medicinal Chemistry, 2018, 26, 2827-2841.	3.0	15
202	Characterization of vasopressin and oxytocin receptors in an Australian marsupial. Journal of Endocrinology, 1995, 144, 19-29.	2.6	14
203	The Human LGR7 Low-Density Lipoprotein Class A Module Requires Calcium for Structure. Annals of the New York Academy of Sciences, 2005, 1041, 27-34.	3.8	14
204	Localization of LGR7 Gene Expression in Adult Mouse Brain Using LGR7 Knockâ€out/<i>LacZ</i> Knockâ€in Mice: Correlation with LGR7 mRNA Distribution. Annals of the New York Academy of Sciences, 2005, 1041, 197-204.	3.8	14
205	Chimeric relaxin peptides highlight the role of the A-chain in the function of H2 relaxin. Peptides, 2012, 35, 102-106.	2.4	14
206	Spatial Learning Requires mGlu5 Signalling in the Dorsal Hippocampus. Neurochemical Research, 2015, 40, 1303-1310.	3.3	14
207	Structural requirements for the interaction of sheep insulin-like factor 3 with relaxin receptors in rat atria. European Journal of Pharmacology, 2002, 457, 153-160.	3.5	13
208	Relaxin-like bioactivity of ovine Insulin 3 (INSL3) analogues. FEBS Journal, 2002, 269, 6287-6293.	0.2	13
209	Identification of Binding Sites with Differing Affinity and Potency for Relaxin Analogues on LGR7 and LGR8 Receptors. Annals of the New York Academy of Sciences, 2005, 1041, 17-21.	3.8	13
210	Mapping Key Regions of the RXFP2 Low-Density Lipoprotein Class-A Module That Are Involved in Signal Activation. Biochemistry, 2014, 53, 4537-4548.	2.5	13
211	Synthetic Covalently Linked Dimeric Form of H2 Relaxin Retains Native RXFP1 Activity and Has Improved<i>In Vitro</i>Serum Stability. BioMed Research International, 2015, 2015, 1-9.	1.9	13
212	Characterisation of a cell-free synthesised G-protein coupled receptor. Scientific Reports, 2017, 7, 1094.	3.3	13
213	INSL5 activates multiple signalling pathways and regulates GLP-1 secretion in NCI-H716 cells. Journal of Molecular Endocrinology, 2018, 60, 213-224.	2.5	13
214	Distinct but overlapping binding sites of agonist and antagonist at the relaxin family peptide 3 (RXFP3) receptor. Journal of Biological Chemistry, 2018, 293, 15777-15789.	3.4	13
215	Mesotocin in the brain and plasma of an Australian marsupial, the brushtail possum (Trichosurus) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.2	12
216	Mesotocin and Arginine-Vasopressin in the Corpus Luteum of an Australian Marsupial, the Brushtail Possum (Trichosurus vulpecula). General and Comparative Endocrinology, 1994, 93, 197-204.	1.8	12

#	Article	IF	Citations
217	Up-Regulation of Mesotocin Receptors in the Tammar Wallaby Myometrium Is Pregnancy-Specific and Independent of Estrogen1. Biology of Reproduction, 2002, 66, 1237-1243.	2.7	12
218	THE JANUS* FACES OF ADRENOCEPTORS: FACTORS CONTROLLING THE COUPLING OF ADRENOCEPTORS TO MULTIPLE SIGNAL TRANSDUCTION PATHWAYS. Clinical and Experimental Pharmacology and Physiology, 2004, 31, 822-827.	1.9	12
219	In a Class of Their Own â€" RXFP1 and RXFP2 are Unique Members of the LGR Family. Frontiers in Endocrinology, 2015, 6, 137.	3.5	12
220	Synthesis and pharmacological characterization of a europium-labelled single-chain antagonist for binding studies of the relaxin-3 receptor RXFP3. Amino Acids, 2015, 47, 1267-1271.	2.7	12
221	Colokinetic effect of an insulinâ€like peptide 5â€related agonist of the RXFP4 receptor. Neurogastroenterology and Motility, 2020, 32, e13796.	3.0	12
222	Purification and Characterization of Relaxin from the Tammar Wallaby (Macropus eugenii): Bioactivity and Expression in the Corpus Luteum1. Biology of Reproduction, 2002, 67, 293-300.	2.7	11
223	Relaxin Research in the Postgenomic Era. Annals of the New York Academy of Sciences, 2005, 1041, 1-7.	3.8	11
224	Preliminary Structureâ€"Function Relationship Studies on Insulin-Like Peptide 5 (INSL5). International Journal of Peptide Research and Therapeutics, 2013, 19, 71-79.	1.9	11
225	Single chain peptide agonists of relaxin receptors. Molecular and Cellular Endocrinology, 2019, 487, 34-39.	3.2	11
226	A Novel Antagonist Peptide Reveals a Physiological Role of Insulin-Like Peptide 5 in Control of Colorectal Function. ACS Pharmacology and Translational Science, 2021, 4, 1665-1674.	4.9	11
227	Effect of chemical sympathectomy on (âˆ')-isoprenaline-induced changes in cardiac Î²-adrenoceptor subtypes in the guinea-pig and rat. Autonomic and Autacoid Pharmacology, 1994, 14, 411-423.	0.6	10
228	Novel strategy for the synthesis of template-assembled analogues of rat relaxin1. , 2000, 6, 235-242.		10
229	Signal Switching after Stimulation of LGR7 Receptors by Human Relaxin 2. Annals of the New York Academy of Sciences, 2005, 1041, 288-291.	3.8	10
230	Signaling Pathways of the LGR7 and LGR8 Receptors Determined by Reporter Genes. Annals of the New York Academy of Sciences, 2005, 1041, 292-295.	3.8	10
231	C-Terminus of the B-Chain of Relaxin-3 Is Important for Receptor Activity. PLoS ONE, 2013, 8, e82567.	2.5	10
232	The actions of relaxin family peptides on signal transduction pathways activated by the relaxin family peptide receptor RXFP4. Naunyn-Schmiedeberg's Archives of Pharmacology, 2017, 390, 105-111.	3.0	10
233	Realâ€time examination of <scp>cAMP</scp> activity at relaxin family peptide receptors using a <scp>BRET</scp>â€based biosensor. Pharmacology Research and Perspectives, 2018, 6, e00432.	2.4	10
234	Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists, 1994: SIGNALLING PATHWAYS IN CARDIAC FAILURE. Clinical and Experimental Pharmacology and Physiology, 1995, 22, 874-876.	1.9	9

#	Article	IF	Citations
235	A Novel Hormone Known as Insulin-Like Factor 3(INSL3) Is Expressed in the Human Ovary and Serum Levels Are Increased in Women With Polycystic Ovary Syndrome (PCOS). Fertility and Sterility, 2005, 84, S3-S4.	1.0	9
236	Knockdown of corticotropin-releasing factor 1 receptors in the ventral tegmental area enhances conditioned fear. European Neuropsychopharmacology, 2016, 26, 1533-1540.	0.7	9
237	Coatings Releasing the Relaxin Peptide Analogue B7-33 Reduce Fibrotic Encapsulation. ACS Applied Materials & Interfaces, 2019, 11, 45511-45519.	8.0	9
238	Using the novel HiBiT tag to label cell surface relaxin receptors for BRET proximity analysis. Pharmacology Research and Perspectives, 2019, 7, e00513.	2.4	9
239	The metabolic effects of mirabegron are mediated primarily by Î² 3 â€adrenoceptors. Pharmacology Research and Perspectives, 2020, 8, e00643.	2.4	9
240	The Effects of Human GH and Its Lipolytic Fragment (AOD9604) on Lipid Metabolism Following Chronic Treatment in Obese Mice and Â3-AR Knock-Out Mice. Endocrinology, 2001, 142, 5182-5189.	2.8	9
241	Arginine vasopressin- and oxytocin-like peptides in the testis of two Australian marsupials. Peptides, 1993, 14, 701-705.	2.4	8
242	Mammalian Mesotocin: cDNA Sequence and Expression of an Oxytocin-like Gene in a Macropodid Marsupial, the Tammar Wallaby. General and Comparative Endocrinology, 2000, 118, 187-199.	1.8	8
243	Investigations into the Inhibitory Effects of Relaxin on Renal Myofibroblast Differentiation. Annals of the New York Academy of Sciences, 2009, 1160, 294-299.	3.8	8
244	Roles of the Receptor, the Ligand, and the Cell in the Signal Transduction Pathways Utilized by the Relaxin Family Peptide Receptors 1â€"3. Annals of the New York Academy of Sciences, 2009, 1160, 99-104.	3.8	8
245	Structural Insights into the Function of Relaxins. Annals of the New York Academy of Sciences, 2009, 1160, 20-26.	3.8	8
246	Structure and Activity in the Relaxin Family of Peptides. Annals of the New York Academy of Sciences, 2009, 1160, 5-10.	3.8	8
247	A missense mutation in LRR8 of RXFP2 is associated with cryptorchidism. Mammalian Genome, 2010, 21, 442-449.	2.2	8
248	Binding conformation and determinants of a single-chain peptide antagonist at the relaxin-3 receptor RXFP3. Journal of Biological Chemistry, 2018, 293, 15765-15776.	3.4	8
249	Brain content and plasma concentrations of arginine vasopressin in an Australian marsupial, the brushtail possum Trichosurus vulpecula. General and Comparative Endocrinology, 1992, 88, 217-223.	1.8	7
250	Probing the Functional Domains of Relaxinâ€3 and the Creation of a Selective Antagonist for RXFP3/GPCR135 over Relaxin Receptor RXFP1/LGR7. Annals of the New York Academy of Sciences, 2009, 1160, 31-37.	3.8	7
251	Synthesis of fluorescent analogs of relaxin family peptides and their preliminary in vitro and in vivo characterization. Frontiers in Chemistry, 2013, 1, 30.	3.6	7
252	Response to Comment on Sato et al. Improving Type 2 Diabetes Through a Distinct Adrenergic Signaling Pathway Involving mTORC2 That Mediates Glucose Uptake in Skeletal Muscle. Diabetes 2014;63:4115â€"4129. Diabetes, 2014, 63, e22-e23.	0.6	7

#	Article	IF	Citations
253	Native Chemical Ligation to Minimize Aspartimide Formation during Chemical Synthesis of Small LDLa Protein. Chemistry - A European Journal, 2016, 22, 1146-1151.	3.3	7
254	High throughput, quantitative analysis of human osteoclast differentiation and activity. Analytical Biochemistry, 2017, 519, 51-56.	2.4	7
255	Adrenoceptorsâ€"New roles for old players. British Journal of Pharmacology, 2019, 176, 2339-2342.	5.4	7
256	Multipathway In Vitro Pharmacological Characterization of Specialized Proresolving G Protein-Coupled Receptors. Molecular Pharmacology, 2022, 101, 246-256.	2.3	7
257	?-ADRENOCEPTORS IN CIRCULAR AND LONGITUDINAL MYOMETRIAL MEMBRANES AND IN LUNG MEMBRANES FROM DIOESTROUS AND POST-PARTUM GUINEA-PIGS. Clinical and Experimental Pharmacology and Physiology, 1988, 15, 681-693.	1.9	6
258	FUNCTION, CHARACTERIZATION AND AUTORADIOGRAPHIC LOCALIZATION AND QUANTITATION OF ?-ADRENOCEPTORS IN CARDIAC TISSUES. Clinical and Experimental Pharmacology and Physiology, 1989, 16, 529-533.	1.9	6
259	Detection, Localization, and Action of the INSL3 Receptor, LGR8, in Rat Kidney. Annals of the New York Academy of Sciences, 2005, 1041, 516-519.	3.8	6
260	Differential expression of mesotocin receptors in the uterus and ovary of the pregnant tammar wallaby. Reproduction, 2005, 129, 639-649.	2.6	6
261	Î²2-Adrenoceptor-mediated regulation of glucose uptake in skeletal muscleâ€"ligand-directed signalling or a reflection of system complexity?. Naunyn-Schmiedeberg's Archives of Pharmacology, 2013, 386, 757-760.	3.0	6
262	Deletion of GPR21 improves glucose homeostasis and inhibits the CCL2-CCR2 axis by divergent mechanisms. BMJ Open Diabetes Research and Care, 2021, 9, e002285.	2.8	6
263	Development and Optimization of MicroRNA against Relaxinâ€3. Annals of the New York Academy of Sciences, 2009, 1160, 261-264.	3.8	5
264	Molecular pharmacology of GPCRs. British Journal of Pharmacology, 2018, 175, 4005-4008.	5.4	5
265	High-throughput screening campaign identifies a small molecule agonist of the relaxin family peptide receptor 4. Acta Pharmacologica Sinica, 2020, 41, 1328-1336.	6.1	5
266	Development of Relaxin-3 Agonists and Antagonists Based on Grafted Disulfide-Stabilized Scaffolds. Frontiers in Chemistry, 2020, 8, 87.	3.6	5
267	Pharmacological Insights Into Safety and Efficacy Determinants for the Development of Adenosine Receptor Biased Agonists in the Treatment of Heart Failure. Frontiers in Pharmacology, 2021, 12, 628060.	3.5	5
268	Mesotocin and oxytocin in the brain and plasma of an australian marsupial, the northern brown bandicoot, isoodon macrourus. Comparative Biochemistry and Physiology A, Comparative Physiology, 1992, 102, 43-48.	0.6	4
269	Mesotocin Gene Expression and Evidence of Gene Duplication in the Tammar Wallaby. Annals of the New York Academy of Sciences, 1998, 839, 447-449.	3.8	4
270	RXFP1 Couples to the GÎ±_{i3}â€GÎ²Î³â€PI3Kâ€PKCÎ¶ Pathway via the Final 10 Amino Acids of the Receptor Câ€terminal Tail. Annals of the New York Academy of Sciences, 2009, 1160, 117-120.	3.8	4

#	Article	IF	Citations
271	Development of Lanthanideâ€Labeled Human INSL3 as an Alternative Probe to Radioactively Labeled INSL3 for Use in Bioassays. Annals of the New York Academy of Sciences, 2009, 1160, 87-90.	3.8	4
272	The Importance of Tryptophan B28 in H2 Relaxin for RXFP2 Binding and Activation. International Journal of Peptide Research and Therapeutics, 2013, 19, 55-60.	1.9	4
273	High-Throughput Screening Campaign Identified a Potential Small Molecule RXFP3/4 Agonist. Molecules, 2021, 26, 7511.	3.8	4
274	AUTORADIOGRAPHIC ANALYSIS OF (-)-[125I]-CYP BINDING IN MOUSE KIDNEY. Clinical and Experimental Pharmacology and Physiology, 1986, 13, 211-221.	1.9	3
275	EFFECT OF GRADED ADRENALINE INFUSION ON ARTERIAL ADRENALINE CLEARANCE IN NORMOTENSIVE AND HYPERTENSIVE MAN. Clinical and Experimental Pharmacology and Physiology, 1990, 17, 257-261.	1.9	3
276	The relaxin peptide family and their novel G-protein coupled receptors. International Journal of Peptide Research and Therapeutics, 2003, 10, 393-400.	0.1	3
277	Insulin-Relaxin Family Peptide Signaling and Receptors in Mouse Brain Membranes and Neuronal Cells. Annals of the New York Academy of Sciences, 2005, 1041, 211-215.	3.8	3
278	Structural Properties of Relaxin Chimeras. Annals of the New York Academy of Sciences, 2009, 1160, 27-30.	3.8	3
279	Promise and Limitations of Relaxin-based Therapies in Chronic Fibrotic Lung Diseases. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 1434-1435.	5.6	3
280	Diazepam is not a direct allosteric modulator of Î± 1 â€adrenoceptors, but modulates receptor signaling by inhibiting phosphodiesteraseâ€4. Pharmacology Research and Perspectives, 2019, 7, e00455.	2.4	3
281	Relaxin Family Peptide Receptors RXFP3 and RXFP4. , 2018, , 4615-4630.		3
282	The Chemistry and Biology of Human Relaxin-3. Annals of the New York Academy of Sciences, 2005, 1041, 40-46.	3.8	2
283	Nanosensors for next generation drug screening. Proceedings of SPIE, 2013, , .	0.8	2
284	Gram scale preparation of clozapine N-oxide (CNO), a synthetic small molecule actuator for muscarinic acetylcholine DREADDs. MethodsX, 2018, 5, 257-267.	1.6	2
285	Engineering of chimeric peptides as antagonists for the G protein-coupled receptor, RXFP4. Scientific Reports, 2019, 9, 17828.	3.3	2
286	Targeted viral vector transduction of relaxin-3 neurons in the rat nucleus incertus using a novel cell-type specific promoter. IBRO Reports, 2020, 8, 1-10.	0.3	2
287	Exploring the Use of Helicogenic Amino Acids for Optimising Single Chain Relaxin-3 Peptide Agonists. Biomedicines, 2020, 8, 415.	3.2	2
288	Editorial: Recent Advances in G Protein-Coupled Receptor Signalling: Impact of Intracellular Location, Environment and Biased Agonism. Frontiers in Pharmacology, 2021, 12, 707393.	3.5	2

#	Article	IF	Citations
289	Relaxin family peptide receptors in GtoPdb v.2021.3. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .	0.2	2
290	Relaxin Family Peptide Receptors RXFP1 and RXFP2. , 2018, , 4583-4615.		2
291	A Real-Time, Plate-Based BRET Assay for Detection of cGMP in Primary Cells. International Journal of Molecular Sciences, 2022, 23, 1908.	4.1	2
292	Corrigendum to: The role of the sympathetic nervous system in the regulation of leptin synthesis in C57BL/6 mice (FEBS 21523). FEBS Letters, 1999, 451, 214-214.	2.8	1
293	Searching the human genome database for novel relaxin- and insulin-like peptides. International Journal of Peptide Research and Therapeutics, 2001, 8, 129-132.	0.1	1
294	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, 105-107.	3.8	1
295	<i>De Novo</i> Design and Synthesis of Cyclic and Linear Peptides to Mimic the Binding Cassette of Human Relaxin. Annals of the New York Academy of Sciences, 2009, 1160, 16-19.	3.8	1
296	Chemical synthesis and relaxin activity of analogues of ovine Insulin 3 containing specific B-chain residue replacements. , 2001, , 243-246.		1
297	NEW TOOLS FOR THE LOCALIZATION OF SECOND MESSENGER SYSTEMS. Clinical and Experimental Pharmacology and Physiology, 1989, 16, 549-553.	1.9	0
298	Insulin 3: From chemical synthesis to biological function. International Journal of Peptide Research and Therapeutics, 2003, 10, 387-391.	0.1	0
299	Orthosteric, Allosteric and Biased Signalling at the Relaxin-3 Receptor RXFP3. Neurochemical Research, 2016, 41, 610-619.	3.3	0
300	GPR55 regulates the responsiveness to, but does not dimerise with, Î±1A-adrenoceptors. Biochemical Pharmacology, 2021, 188, 114560.	4.4	0
301	Relaxin Family Peptide Receptors RXFP3 and RXFP4. , 2016, , 1-17.		0
302	Relaxin Family Peptide Receptors RXFP1 and RXFP2. , 2016, , 1-32.		0
303	The gut hormone INSL5 activates multiple signalling pathways and regulates GLP-1 secretion in NCI-H716 cells. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-5-18.	0.0	0
304	Metabolic effects of mirabegron in mice: implications for use in diabetes. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-5-25.	0.0	0
305	Insulin-Like Peptide 5 (INSL5) â˜†. , 2018, , .		0
306	Relaxin family peptide receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	0

#	Article	IF	Citations
307	Relaxin and relaxin-related peptides: Synthesis, structure and biological function. , 2002, , 660-663.		0
308	Relaxin Family Peptides and Their Receptors. , 2021, , 1345-1353.		0