Eric Reiter

List of Publications by Year
in descending order

92 papers	6,323 citations	94433 37 h-index	66911 78 g-index
94 all docs	94 docs citations	94 times ranked	5196 citing authors

#	Article	IF	Citations
1	Î²-Arrestin-dependent, G Protein-independent ERK1/2 Activation by the Î²2 Adrenergic Receptor. Journal of Biological Chemistry, 2006, 281, 1261-1273.	3.4	651
2	GRKs and Î²-arrestins: roles in receptor silencing, trafficking and signaling. Trends in Endocrinology and Metabolism, 2006, 17, 159-165.	7.1	572
3	Molecular Mechanism of Î²-Arrestin-Biased Agonism at Seven-Transmembrane Receptors. Annual Review of Pharmacology and Toxicology, 2012, 52, 179-197.	9.4	536
4	Distinct Î²-Arrestin- and G Protein-dependent Pathways for Parathyroid Hormone Receptor-stimulated ERK1/2 Activation. Journal of Biological Chemistry, 2006, 281, 10856-10864.	3.4	422
5	Functional antagonism of different G protein-coupled receptor kinases for Â-arrestin-mediated angiotensin II receptor signaling. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1442-1447.	7.1	318
6	Different G protein-coupled receptor kinases govern G protein and Â-arrestin-mediated signaling of V2 vasopressin receptor. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1448-1453.	7.1	298
7	The ERK-dependent signalling is stage-specifically modulated by FSH, during primary Sertoli cell maturation. Oncogene, 2001, 20, 4696-4709.	5.9	184
8	Î²-Arrestin 1 and GÎ±q/11 Coordinately Activate RhoA and Stress Fiber Formation following Receptor Stimulation. Journal of Biological Chemistry, 2005, 280, 8041-8050.	3.4	180
9	Manifold roles of Î²-arrestins in GPCR signaling elucidated with siRNA and CRISPR/Cas9. Science Signaling, 2018, 11, .	3.6	169
10	A Phosphorylation Cluster of Five Serine and Threonine Residues in the C-Terminus of the Follicle-Stimulating Hormone Receptor Is Important for Desensitization But Not for Î²-Arrestin-Mediated ERK Activation. Molecular Endocrinology, 2006, 20, 3014-3026.	3.7	147
11	Mapping the follicle-stimulating hormone-induced signaling networks. Frontiers in Endocrinology, 2011, 2, 45.	3.5	130
12	Î²-Arrestin 2-Dependent Angiotensin II Type 1A Receptor-Mediated Pathway of Chemotaxis. Molecular Pharmacology, 2005, 67, 1229-1236.	2.3	115
13	Preferential Î²-arrestin signalling at low receptor density revealed by functional characterization of the human FSH receptor A189 V mutationâ˜†. Molecular and Cellular Endocrinology, 2011, 331, 109-118.	3.2	107
14	Human Luteinizing Hormone and Chorionic Gonadotropin Display Biased Agonism at the LH and LH/CG Receptors. Scientific Reports, 2017, 7, 940.	3.3	91
15	Physical Interaction of Calmodulin with the 5-Hydroxytryptamine_{2C} Receptor C-Terminus Is Essential for G Protein-independent, Arrestin-dependent Receptor Signaling. Molecular Biology of the Cell, 2008, 19, 4640-4650.	2.1	88
16	Integration of GPCR Signaling and Sorting from Very Early Endosomes via Opposing APPL1 Mechanisms. Cell Reports, 2017, 21, 2855-2867.	6.4	88
17	FSH Receptor Signaling: Complexity of Interactions and Signal Diversity. Endocrinology, 2018, 159, 3020-3035.	2.8	78
18	Competing G proteinâ€coupled receptor kinases balance G protein and Î²â€arrestin signaling. Molecular Systems Biology, 2012, 8, 590.	7.2	77

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19	Assessing Gonadotropin Receptor Function by Resonance Energy Transfer-Based Assays. Frontiers in Endocrinology, 2015, 6, 130.	3.5	75
20	Involvement of G Protein-Coupled Receptor Kinases and Arrestins in Desensitization to Follicle-Stimulating Hormone Action. Molecular Endocrinology, 1999, 13, 1599-1614.	3.7	72
21	Effects of pituitary hormones on the prostate. , 1999, 38, 159-165.		70
22	Growth hormone and prolactin stimulate androgen receptor, insulin-like growth factor-I (IGF-I) and IGF-I receptor levels in the prostate of immature rats. Molecular and Cellular Endocrinology, 1992, 88, 77-87.	3.2	69
23	5-Hydroxytryptamine4 Receptor Activation of the Extracellular Signal-regulated Kinase Pathway Depends on Src Activation but Not on G Protein or Î²-Arrestin Signaling. Molecular Biology of the Cell, 2007, 18, 1979-1991.	2.1	68
24	Î²-arrestins regulate gonadotropin receptor-mediated cell proliferation and apoptosis by controlling different FSHR or LHCGR intracellular signaling in the hGL5 cell line. Molecular and Cellular Endocrinology, 2016, 437, 11-21.	3.2	63
25	Î²-arrestin1 phosphorylation by GRK5 regulates G protein-independent 5-HT4 receptor signalling. EMBO Journal, 2009, 28, 2706-2718.	7.8	62
26	Follicle-Stimulating Hormone (FSH) Action on Spermatogenesis: A Focus on Physiological and Therapeutic Roles. Journal of Clinical Medicine, 2020, 9, 1014.	2.4	61
27	Novel pathways in gonadotropin receptor signaling and biased agonism. Reviews in Endocrine and Metabolic Disorders, 2011, 12, 259-274.	5.7	59
28	Rat G Protein-Coupled Receptor Kinase GRK4: Identification, Functional Expression, and Differential Tissue Distribution of Two Splice Variants*. Endocrinology, 1998, 139, 2784-2795.	2.8	54
29	Biased signalling in follicle stimulating hormone action. Molecular and Cellular Endocrinology, 2014, 382, 452-459.	3.2	54
30	Phosphorylation of Î²-arrestin2 at Thr383 by MEK underlies Î²-arrestin-dependent activation of Erk1/2 by GPCRs. ELife, 2017, 6, .	6.0	53
31	Normal testicular function without detectable follicle-stimulating hormone. A novel mutation in the follicle-stimulating hormone receptor gene leading to apparent constitutive activity and impaired agonist-induced desensitization and internalization. Molecular and Cellular Endocrinology, 2012, 364, 71-82.	3.2	50
32	Unraveling the molecular architecture of a G protein-coupled receptor/Î²-arrestin/Erk module complex. Scientific Reports, 2015, 5, 10760.	3.3	50
33	Follicle-Stimulating Hormone Activates p70 Ribosomal Protein S6 Kinase by Protein Kinase A-Mediated Dephosphorylation of Thr 421/Ser 424 in Primary Sertoli Cells. Molecular Endocrinology, 2005, 19, 1812-1820.	3.7	49
34	Developmental regulation of p70 S6 kinase by a G protein-coupled receptor dynamically modelized in primary cells. Cellular and Molecular Life Sciences, 2009, 66, 3487-3503.	5.4	48
35	Partially Deglycosylated Equine LH Preferentially Activates Î²-Arrestin-Dependent Signaling at the Follicle-Stimulating Hormone Receptor. Molecular Endocrinology, 2010, 24, 561-573.	3.7	46
36	Identification of the epidermal growth factor receptor as the receptor for <i>Salmonella</i> Rckâ€“dependent invasion. FASEB Journal, 2016, 30, 4180-4191.	0.5	44

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37	Extracellular signal-regulated kinases (ERK) 1, 2 are required for luteinizing hormone (LH)-induced steroidogenesis in primary Leydig cells and control steroidogenic acute regulatory (StAR) expression. Reproduction, Nutrition, Development, 2005, 45, 101-108.	1.9	43
38	G Protein-Coupled Receptor Kinases and Beta Arrestins Are Relocalized and Attenuate Cyclic 3â€²,5â€²-Adenosine Monophosphate Response to Follicle-Stimulating Hormone in Rat Primary Sertoli Cells1. Biology of Reproduction, 2002, 66, 70-76.	2.7	42
39	Profiling of FSHR negative allosteric modulators on LH/CGR reveals biased antagonism with implications in steroidogenesis. Molecular and Cellular Endocrinology, 2016, 436, 10-22.	3.2	41
40	Î²-arrestin signalling and bias in hormone-responsive GPCRs. Molecular and Cellular Endocrinology, 2017, 449, 28-41.	3.2	40
41	GPCR signalling to the translation machinery. Cellular Signalling, 2010, 22, 707-716.	3.6	38
42	FSH for the Treatment of Male Infertility. International Journal of Molecular Sciences, 2020, 21, 2270.	4.1	38
43	FSH-stimulated PTEN activity accounts for the lack of FSH mitogenic effect in prepubertal rat Sertoli cells. Molecular and Cellular Endocrinology, 2010, 315, 271-276.	3.2	32
44	Androgen-independent effects of prolactin on the different lobes of the immature rat prostate. Molecular and Cellular Endocrinology, 1995, 112, 113-122.	3.2	30
45	Kinase-Inactive G-Protein-Coupled Receptor Kinases Are Able to Attenuate Follicle-Stimulating Hormone-Induced Signaling. Biochemical and Biophysical Research Communications, 2001, 282, 71-78.	2.1	30
46	A highly sensitive nearâ€infrared fluorescent detection method to analyze signalling pathways by reverseâ€phase protein array. Proteomics, 2009, 9, 5446-5454.	2.2	29
47	mRNA-Selective Translation Induced by FSH in Primary Sertoli Cells. Molecular Endocrinology, 2012, 26, 669-680.	3.7	29
48	Constitutive Activity in Gonadotropin Receptors. Advances in Pharmacology, 2014, 70, 37-80.	2.0	29
49	A Comprehensive View of the Î²-Arrestinome. Frontiers in Endocrinology, 2017, 8, 32.	3.5	29
50	Membrane Estrogen Receptor (GPER) and Follicle-Stimulating Hormone Receptor (FSHR) Heteromeric Complexes Promote Human Ovarian Follicle Survival. IScience, 2020, 23, 101812.	4.1	29
51	G protein-coupled receptor kinase 2 and Î²-arrestins are recruited to FSH receptor in stimulated rat primary Sertoli cells. Journal of Endocrinology, 2006, 190, 341-350.	2.6	28
52	MAbTope: A Method for Improved Epitope Mapping. Journal of Immunology, 2018, 201, 3096-3105.	0.8	26
53	Biased Signaling and Allosteric Modulation at the FSHR. Frontiers in Endocrinology, 2019, 10, 148.	3.5	26
54	Selective Modulation of Follicle-Stimulating Hormone Signaling Pathways with Enhancing Equine Chorionic Gonadotropin/Antibody Immune Complexes. Endocrinology, 2010, 151, 2788-2799.	2.8	25

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55	Dimeric Transferrin Inhibits Phagocytosis of Residual Bodies by Testicular Rat Sertoli Cells1. Biology of Reproduction, 2008, 78, 697-704.	2.7	24
56	Heterogeneous hCG and hMG commercial preparations result in different intracellular signalling but induce a similar long-term progesterone response in vitro. Molecular Human Reproduction, 2017, 23, 685-697.	2.8	24
57	G proteinâ€dependent signaling triggers a Î²â€arrestinâ€scaffolded p70S6K/ rpS6 module that controls 5'TOP mRNA translation. FASEB Journal, 2018, 32, 1154-1169.	0.5	24
58	Î²2 adrenergic receptors mediate cAMP, tissue-type plasminogen activator and transferrin production in rat Sertoli cells. Molecular and Cellular Endocrinology, 1998, 142, 75-86.	3.2	23
59	Follicle-Stimulating Hormone Receptor: Advances and Remaining Challenges. International Review of Cell and Molecular Biology, 2018, 338, 1-58.	3.2	23
60	Follicle-stimulating hormone (FSH) activates extracellular signal-regulated kinase phosphorylation independently of beta-arrestin- and dynamin-mediated FSH receptor internalization. Reproductive Biology and Endocrinology, 2006, 4, 33.	3.3	22
61	Towards a systems biology approach of G protein-coupled receptor signalling: Challenges and expectations. Comptes Rendus - Biologies, 2009, 332, 947-957.	0.2	22
62	Eculizumab epitope on complement C5: Progress towards a better understanding of the mechanism of action. Molecular Immunology, 2016, 77, 126-131.	2.2	21
63	Antibodies targeting G protein-coupled receptors: Recent advances and therapeutic challenges. MAbs, 2017, 9, 735-741.	5.2	19
64	Glycosylation Pattern and in vitro Bioactivity of Reference Follitropin alfa and Biosimilars. Frontiers in Endocrinology, 2019, 10, 503.	3.5	19
65	Trafficking of the Follitropin Receptor. Methods in Enzymology, 2013, 521, 17-45.	1.0	18
66	Involvement of G Protein-Coupled Receptor Kinases and Arrestins in Desensitization to Follicle-Stimulating Hormone Action. Molecular Endocrinology, 1999, 13, 1599-1614.	3.7	17
67	Role of Cysteine Residues in the Carboxyl-Terminus of the Follicle-Stimulating Hormone Receptor in Intracellular Traffic and Postendocytic Processing. Frontiers in Cell and Developmental Biology, 2016, 4, 76.	3.7	16
68	Screening and discovery of nitro-benzoxadiazole compounds activating epidermal growth factor receptor (EGFR) in cancer cells. Scientific Reports, 2015, 4, 3977.	3.3	15
69	A Novel Messenger Ribonucleic Acid Homologous to Human MAGE-D Is Strongly Expressed in Rat Sertoli Cells and Weakly in Leydig Cells and Is Regulated by Follitropin, Lutropin, and Prolactin1. Endocrinology, 2000, 141, 3821-3831.	2.8	14
70	Î²-arrestins and biased signaling in gonadotropin receptors. Minerva Ginecologica, 2018, 70, 525-538.	0.8	14
71	Pharmacological Programming of Endosomal Signaling Activated by Small Molecule Ligands of the Follicle Stimulating Hormone Receptor. Frontiers in Pharmacology, 2020, 11, 593492.	3.5	12
72	Direct impact of gonadotropins on glucose uptake and storage in preovulatory granulosa cells: Implications in the pathogenesis of polycystic ovary syndrome. Metabolism: Clinical and Experimental, 2021, 115, 154458.	3.4	12

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73	A Novel Mutation in the FSH Receptor (I423T) Affecting Receptor Activation and Leading to Primary Ovarian Failure. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e534-e550.	3.6	11
74	In vitro effects of the endocrine disruptor p,pâ€²DDT on human choriogonadotropin/luteinizing hormone receptor signalling. Archives of Toxicology, 2021, 95, 1671-1681.	4.2	11
75	Dichlorodiphenyltrichloroethane impairs follicle-stimulating hormone receptor-mediated signaling in rat Sertoli cells. Reproductive Toxicology, 2007, 23, 158-164.	2.9	10
76	Integrating microRNAs into the complexity of gonadotropin signaling networks. Frontiers in Cell and Developmental Biology, 2013, 1, 3.	3.7	9
77	Activation of a GPCR leads to eIF4G phosphorylation at the 5â€² cap and to IRES-dependent translation. Journal of Molecular Endocrinology, 2014, 52, 373-382.	2.5	9
78	Accurate determination of epitope for antibodies with unknown 3D structures. MAbs, 2021, 13, 1961349.	5.2	8
79	Luteinizing Hormone Increases the Abundance of Various Transcripts, Independently of the Androgens, in the Rat Prostate. Biochemical and Biophysical Research Communications, 1997, 233, 108-112.	2.1	7
80	Pharmacological Characterization of Low Molecular Weight Biased Agonists at the Follicle Stimulating Hormone Receptor. International Journal of Molecular Sciences, 2021, 22, 9850.	4.1	7
81	Semi-quantitative measurement of specific proteins in human cumulus cells using reverse phase protein array. Reproductive Biology and Endocrinology, 2013, 11, 100.	3.3	6
82	Serodolin, a Î²-arrestinâ€"biased ligand of 5-HT ₇ receptor, attenuates pain-related behaviors. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	5
83	A logic-based method to build signaling networks and propose experimental plans. Scientific Reports, 2018, 8, 7830.	3.3	4
84	Advances in computational modeling approaches of pituitary gonadotropin signaling. Expert Opinion on Drug Discovery, 2018, 13, 799-813.	5.0	4
85	G Protein-Coupled Receptors As Regulators of Localized Translation: The Forgotten Pathway?. Frontiers in Endocrinology, 2018, 9, 17.	3.5	4
86	A Mechanistic Overview on Male Infertility and Germ Cell Cancers. Current Pharmaceutical Design, 2004, 10, 449-469.	1.9	3
87	Computational Models to Decipher Cell-Signaling Pathways. , 2014, , 269-284.		2
88	Workflow Description to Dynamically Model Î²-Arrestin Signaling Networks. Methods in Molecular Biology, 2019, 1957, 195-215.	0.9	1
89	Prostate. , 2003, , 591-605.		1
90	Methods to Determine Interaction Interfaces Between Î²-Arrestins and Their Protein Partners. Methods in Molecular Biology, 2019, 1957, 177-194.	0.9	0

#	Article	IF	Citations
91	Receptors | Thyroid-Stimulating Hormone/Luteinizing Hormone/Follicle-Stimulating Hormone Receptors. , 2021, , 323-328.		0
92	Î²-Arrestins and Endocrine-Related GPCRs. , 2021, , 445-458.		0