Louis M Luttrell

List of Publications by Citations

155 papers	18,570 citations	65 h-index	136 g-index
159 ext. papers	19,587 ext. citations	7.4 avg, IF	6.68 L-index

#	Paper	IF	Citations
155	Beta-arrestin-dependent formation of beta2 adrenergic receptor-Src protein kinase complexes. *Science*, **1999**, 283, 655-61	33.3	1252
154	Switching of the coupling of the beta2-adrenergic receptor to different G proteins by protein kinase A. *Nature*, **1997**, 390, 88-91	50.4	1090
153	The role of β-arrestins in the termination and transduction of G-protein-coupled receptor signals. *Journal of Cell Science*, **2002**, 115, 455-465	5.3	788
152	The role of beta-arrestins in the termination and transduction of G-protein-coupled receptor signals. *Journal of Cell Science*, **2002**, 115, 455-65	5.3	729
151	Regulation of tyrosine kinase cascades by G-protein-coupled receptors. *Current Opinion in Cell Biology*, **1999**, 11, 177-83	9	608
150	Independent beta-arrestin 2 and G protein-mediated pathways for angiotensin II activation of extracellular signal-regulated kinases 1 and 2. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 10782-7	11.5	569
149	Receptor-tyrosine-kinase- and G beta gamma-mediated MAP kinase activation by a common signalling pathway. *Nature*, **1995**, 376, 781-4	50.4	526
148	Essential role for G protein-coupled receptor endocytosis in the activation of mitogen-activated protein kinase. *Journal of Biological Chemistry*, **1998**, 273, 685-8	5.4	439
147	Role of c-Src tyrosine kinase in G protein-coupled receptor- and Gbetagamma subunit-mediated activation of mitogen-activated protein kinases. *Journal of Biological Chemistry*, **1996**, 271, 19443-50	5.4	435
146	Targeting the receptor-Gq interface to inhibit in vivo pressure overload myocardial hypertrophy. *Science*, **1998**, 280, 574-7	33.3	393
145	Distinct beta-arrestin- and G protein-dependent pathways for parathyroid hormone receptor-stimulated ERK1/2 activation. *Journal of Biological Chemistry*, **2006**, 281, 10856-64	5.4	383
144	Ras-dependent mitogen-activated protein kinase activation by G protein-coupled receptors. Convergence of Gi- and Gq-mediated pathways on calcium/calmodulin, Pyk2, and Src kinase. *Journal of Biological Chemistry*, **1997**, 272, 19125-32	5.4	376
143	Mitogenic signaling via G protein-coupled receptors. *Endocrine Reviews*, **1996**, 17, 698-714	27.2	373
142	New mechanisms in heptahelical receptor signaling to mitogen activated protein kinase cascades. *Oncogene*, **2001**, 20, 1532-9	9.2	367
141	Gbetagamma subunits mediate Src-dependent phosphorylation of the epidermal growth factor receptor. A scaffold for G protein-coupled receptor-mediated Ras activation. *Journal of Biological Chemistry*, **1997**, 272, 4637-44	5.4	366
140	Distinct pathways of Gi- and Gq-mediated mitogen-activated protein kinase activation. *Journal of Biological Chemistry*, **1995**, 270, 17148-53	5.4	357
139	The beta(2)-adrenergic receptor mediates extracellular signal-regulated kinase activation via assembly of a multi-receptor complex with the epidermal growth factor receptor. *Journal of Biological Chemistry*, **2000**, 275, 9572-80	5.4	341

138	Phosphatidylinositol 3-kinase is an early intermediate in the G beta gamma-mediated mitogen-activated protein kinase signaling pathway. *Journal of Biological Chemistry*, **1996**, 271, 12133-6	5.4	316
137	Beyond desensitization: physiological relevance of arrestin-dependent signaling. *Pharmacological Reviews*, **2010**, 62, 305-30	22.5	315
136	beta-Arrestin scaffolding of the ERK cascade enhances cytosolic ERK activity but inhibits ERK-mediated transcription following angiotensin AT1a receptor stimulation. *Journal of Biological Chemistry*, **2002**, 277, 9429-36	5.4	314
135	The stability of the G protein-coupled receptor-beta-arrestin interaction determines the mechanism and functional consequence of ERK activation. *Journal of Biological Chemistry*, **2003**, 278, 6258-67	5.4	282
134	The Diverse Roles of Arrestin Scaffolds in G Protein-Coupled Receptor Signaling. *Pharmacological Reviews*, **2017**, 69, 256-297	22.5	234
133	Src-mediated tyrosine phosphorylation of dynamin is required for beta2-adrenergic receptor internalization and mitogen-activated protein kinase signaling. *Journal of Biological Chemistry*, **1999** , 274, 1185-8	5.4	223
132	Dual inhibition of beta-adrenergic and angiotensin II receptors by a single antagonist: a functional role for receptor-receptor interaction in vivo. *Circulation*, **2003**, 108, 1611-8	16.7	217
131	Pleiotropic coupling of G protein-coupled receptors to the mitogen-activated protein kinase cascade. Role of focal adhesions and receptor tyrosine kinases. *Journal of Biological Chemistry*, **1999**, 274, 13978-84	5.4	212
130	Role of endocytosis in the activation of the extracellular signal-regulated kinase cascade by sequestering and nonsequestering G protein-coupled receptors. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 1489-94	11.5	200
129	Transactivation of the EGF receptor mediates IGF-1-stimulated shc phosphorylation and ERK1/2 activation in COS-7 cells. *Journal of Biological Chemistry*, **2000**, 275, 22583-9	5.4	199
128	Not so strange bedfellows: G-protein-coupled receptors and Src family kinases. *Oncogene*, **2004**, 23, 7969-78	9.2	187
127	G protein-coupled receptors mediate two functionally distinct pathways of tyrosine phosphorylation in rat 1a fibroblasts. Shc phosphorylation and receptor endocytosis correlate with activation of Erk kinases. *Journal of Biological Chemistry*, **1997**, 272, 31648-56	5.4	180
126	Platelet-derived growth factor receptor association with Na(+)/H(+) exchanger regulatory factor potentiates receptor activity. *Molecular and Cellular Biology*, **2000**, 20, 8352-63	4.8	178
125	Epidermal growth factor (EGF) receptor-dependent ERK activation by G protein-coupled receptors: a co-culture system for identifying intermediates upstream and downstream of heparin-binding EGF shedding. *Journal of Biological Chemistry*, **2001**, 276, 23155-60	5.4	176
124	G(o)-protein alpha-subunits activate mitogen-activated protein kinase via a novel protein kinase C-dependent mechanism. *Journal of Biological Chemistry*, **1996**, 271, 1266-9	5.4	175
123	G beta gamma subunits mediate mitogen-activated protein kinase activation by the tyrosine kinase insulin-like growth factor 1 receptor. *Journal of Biological Chemistry*, **1995**, 270, 16495-8	5.4	170
122	beta-arrestin1 interacts with the catalytic domain of the tyrosine kinase c-SRC. Role of beta-arrestin1-dependent targeting of c-SRC in receptor endocytosis. *Journal of Biological Chemistry*, **2000**, 275, 11312-9	5.4	167
121	A beta-arrestin-biased agonist of the parathyroid hormone receptor (PTH1R) promotes bone formation independent of G protein activation. *Science Translational Medicine*, **2009**, 1, 1ra1	17.5	165

120	The origins of diversity and specificity in g protein-coupled receptor signaling. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 314, 485-94	4.7	161
119	Direct binding of activated c-Src to the beta 3-adrenergic receptor is required for MAP kinase activation. *Journal of Biological Chemistry*, **2000**, 275, 38131-4	5.4	161
118	Fulfilling the Promise of "Biased" G Protein-Coupled Receptor Agonism. *Molecular Pharmacology*, **2015**, 88, 579-88	4.3	153
117	Protein kinase A-mediated phosphorylation of the beta 2-adrenergic receptor regulates its coupling to Gs and Gi. Demonstration in a reconstituted system. *Journal of Biological Chemistry*, **2002**, 277, 31249-56	5.4	148
116	Dancing with different partners: protein kinase a phosphorylation of seven membrane-spanning receptors regulates their G protein-coupling specificity. *Molecular Pharmacology*, **2002**, 62, 971-4	4.3	148
115	The beta3-adrenergic receptor activates mitogen-activated protein kinase in adipocytes through a Gi-dependent mechanism. *Journal of Biological Chemistry*, **1999**, 274, 12017-22	5.4	146
114	The conformational signature of β-arrestin2 predicts its trafficking and signalling functions. *Nature*, **2016**, 531, 665-8	50.4	144
113	Protein kinase A and G protein-coupled receptor kinase phosphorylation mediates beta-1 adrenergic receptor endocytosis through different pathways. *Journal of Biological Chemistry*, **2003**, 278, 35403-11	5.4	124
112	Serotonin 5-HT1A receptor-mediated Erk activation requires calcium/calmodulin-dependent receptor endocytosis. *Journal of Biological Chemistry*, **1999**, 274, 4749-53	5.4	123
111	Src-dependent tyrosine phosphorylation regulates dynamin self-assembly and ligand-induced endocytosis of the epidermal growth factor receptor. *Journal of Biological Chemistry*, **2002**, 277, 26642-51	5.4	118
110	Manifold roles of β-arrestins in GPCR signaling elucidated with siRNA and CRISPR/Cas9. *Science Signaling*, **2018**, 11,	8.8	116
109	Feedback regulation of beta-arrestin1 function by extracellular signal-regulated kinases. *Journal of Biological Chemistry*, **1999**, 274, 15971-4	5.4	113
108	Ubiquitination of beta-arrestin links seven-transmembrane receptor endocytosis and ERK activation. *Journal of Biological Chemistry*, **2007**, 282, 29549-62	5.4	109
107	Reviews in molecular biology and biotechnology: transmembrane signaling by G protein-coupled receptors. *Molecular Biotechnology*, **2008**, 39, 239-64	3	105
106	ACTIVATION OF EXTRACELLULAR SIGNAL-REGULATED KINASE IN HUMAN PROSTATE CANCER. *Journal of Urology*, **1999**, 162, 1537-1542	2.5	105
105	beta -Arrestin-mediated recruitment of the Src family kinase Yes mediates endothelin-1-stimulated glucose transport. *Journal of Biological Chemistry*, **2001**, 276, 43663-7	5.4	103
104	Minireview: More than just a hammer: ligand "bias" and pharmaceutical discovery. *Molecular Endocrinology*, **2014**, 28, 281-94		99
103	Activation and targeting of mitogen-activated protein kinases by G-protein-coupled receptors. *Canadian Journal of Physiology and Pharmacology*, **2002**, 80, 375-82	2.4	98

102	Composition and function of g protein-coupled receptor signalsomes controlling mitogen-activated protein kinase activity. *Journal of Molecular Neuroscience*, **2005**, 26, 253-64	3.3	93
101	The adiponectin receptors AdipoR1 and AdipoR2 activate ERK1/2 through a Src/Ras-dependent pathway and stimulate cell growth. *Biochemistry*, **2008**, 47, 11682-92	3.2	90
100	Transmembrane signaling by G protein-coupled receptors. *Methods in Molecular Biology*, **2006**, 332, 3-49	1.4	86
99	5-HT2A receptor induces ERK phosphorylation and proliferation through ADAM-17 tumor necrosis factor-alpha-converting enzyme (TACE) activation and heparin-bound epidermal growth factor-like growth factor (HB-EGF) shedding in mesangial cells. *Journal of Biological Chemistry*, **2006**, 281, 21004-21012	5.4	86
98	Allosteric modulators of g protein-coupled receptors: future therapeutics for complex physiological disorders. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 331, 340-8	4.7	77
97	Insulin-like growth factors mediate heterotrimeric G protein-dependent ERK1/2 activation by transactivating sphingosine 1-phosphate receptors. *Journal of Biological Chemistry*, **2006**, 281, 31399-407	5.4	77
96	21 G-protein-coupled receptors and their regulation. *Advances in Second Messenger and Phosphoprotein Research*, **1997**, 263-277		76
95	Pasteurella multocida toxin stimulates mitogen-activated protein kinase via G(q/11)-dependent transactivation of the epidermal growth factor receptor. *Journal of Biological Chemistry*, **2000**, 275, 2239-45	5.4	74
94	Beta-arrestins 1 and 2 differentially regulate LPS-induced signaling and pro-inflammatory gene expression. *Molecular Immunology*, **2007**, 44, 3092-9	4.3	73
93	Effect of cellular expression of pleckstrin homology domains on Gi-coupled receptor signaling. *Journal of Biological Chemistry*, **1995**, 270, 12984-9	5.4	72
92	Beta-arrestin- and G protein receptor kinase-mediated calcium-sensing receptor desensitization. *Molecular Endocrinology*, **2005**, 19, 1078-87		70
91	Refining efficacy: allosterism and bias in G protein-coupled receptor signaling. *Methods in Molecular Biology*, **2011**, 756, 3-35	1.4	66
90	MITOGENIC SIGNALING IN ANDROGEN SENSITIVE AND INSENSITIVE PROSTATE CANCER CELL LINES. *Journal of Urology*, **2000**, 163, 1027-1032	2.5	63
89	Insulin-like growth factor-2/mannose-6 phosphate receptors. *Vitamins and Hormones*, **2009**, 80, 667-97	2.5	62
88	Beta-arrestin 2 negatively regulates sepsis-induced inflammation. *Immunology*, **2010**, 130, 344-51	7.8	60
87	Signaling in time and space: G protein-coupled receptors and mitogen-activated protein kinases. *Assay and Drug Development Technologies*, **2003**, 1, 327-38	2.1	56
86	Barrestin-selective G protein-coupled receptor agonists engender unique biological efficacy in vivo. *Molecular Endocrinology*, **2013**, 27, 296-314		54
85	The beta-arrestin pathway-selective type 1A angiotensin receptor (AT1A) agonist [Sar1,Ile4,Ile8]angiotensin II regulates a robust G protein-independent signaling network. *Journal of Biological Chemistry*, **2011**, 286, 19880-91	5.4	54

84	Role of beta-arrestin-mediated desensitization and signaling in the control of angiotensin AT1a receptor-stimulated transcription. *Journal of Biological Chemistry*, **2008**, 283, 2088-97	5.4	53
83	Arrestin-mediated ERK activation by gonadotropin-releasing hormone receptors: receptor-specific activation mechanisms and compartmentalization. *Journal of Biological Chemistry*, **2006**, 281, 2701-10	5.4	53
82	Diversity in arrestin function. *Cellular and Molecular Life Sciences*, **2009**, 66, 2953-73	10.3	51
81	Connective tissue growth factor and susceptibility to renal and vascular disease risk in type 1 diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2008**, 93, 1893-900	5.6	50
80	Arrestins as regulators of kinases and phosphatases. *Progress in Molecular Biology and Translational Science*, **2013**, 118, 115-47	4	49
79	c-Src-mediated phosphorylation of AP-2 reveals a general mechanism for receptors internalizing through the clathrin pathway. *Cellular Signalling*, **2009**, 21, 103-10	4.9	48
78	Signal switching, crosstalk, and arrestin scaffolds: novel G protein-coupled receptor signaling in cardiovascular disease. *Hypertension*, **2006**, 48, 173-9	8.5	46
77	The insulin-like growth factor type 1 and insulin-like growth factor type 2/mannose-6-phosphate receptors independently regulate ERK1/2 activity in HEK293 cells. *Journal of Biological Chemistry*, **2007**, 282, 26150-7	5.4	44
76	Transactivation of the epidermal growth factor receptor mediates parathyroid hormone and prostaglandin F2 alpha-stimulated mitogen-activated protein kinase activation in cultured transgenic murine osteoblasts. *Molecular Endocrinology*, **2003**, 17, 1607-21		43
75	Increased expression of beta-arrestin 1 and 2 in murine models of rheumatoid arthritis: isoform specific regulation of inflammation. *Molecular Immunology*, **2011**, 49, 64-74	4.3	42
74	HDL3, but not HDL2, stimulates plasminogen activator inhibitor-1 release from adipocytes: the role of sphingosine-1-phosphate. *Journal of Lipid Research*, **2010**, 51, 2619-28	6.3	42
73	beta-Arrestin 2 expression determines the transcriptional response to lysophosphatidic acid stimulation in murine embryo fibroblasts. *Journal of Biological Chemistry*, **2005**, 280, 32157-67	5.4	42
72	Plasma kallikrein promotes epidermal growth factor receptor transactivation and signaling in vascular smooth muscle through direct activation of protease-activated receptors. *Journal of Biological Chemistry*, **2010**, 285, 35206-15	5.4	41
71	G protein-coupled receptor signaling complexity in neuronal tissue: implications for novel therapeutics. *Current Alzheimer Research*, **2007**, 4, 3-19	3	41
70	Ectodomain shedding-dependent transactivation of epidermal growth factor receptors in response to insulin-like growth factor type I. *Molecular Endocrinology*, **2004**, 18, 2727-39		41
69	G protein-coupled receptors desensitize and down-regulate epidermal growth factor receptors in renal mesangial cells. *Journal of Biological Chemistry*, **2001**, 276, 27335-44	5.4	41
68	Identification of a putative nuclear localization sequence within ANG II AT(1A) receptor associated with nuclear activation. *American Journal of Physiology - Cell Physiology*, **2007**, 292, C1398-408	5.4	40
67	The arrestin-selective angiotensin AT1 receptor agonist [Sar1,Ile4,Ile8]-AngII negatively regulates bradykinin B2 receptor signaling via AT1-B2 receptor heterodimers. *Journal of Biological Chemistry*, **2013**, 288, 18872-84	5.4	39

66	Essential role of c-Cbl in amphiregulin-induced recycling and signaling of the endogenous epidermal growth factor receptor. *Biochemistry*, **2009**, 48, 1462-73	3.2	39
65	'Biasing' the parathyroid hormone receptor: a novel anabolic approach to increasing bone mass?. *British Journal of Pharmacology*, **2011**, 164, 59-67	8.6	37
64	Arrestin Based Receptor Signaling Paradigms: Potential Therapeutic Targets for Complex Age-Related Disorders. *Frontiers in Pharmacology*, **2018**, 9, 1369	5.6	36
63	Arrestin-dependent angiotensin AT1 receptor signaling regulates Akt and mTor-mediated protein synthesis. *Journal of Biological Chemistry*, **2014**, 289, 26155-26166	5.4	35
62	Functional signaling biases in G protein-coupled receptors: Game Theory and receptor dynamics. *Mini-Reviews in Medicinal Chemistry*, **2012**, 12, 831-40	3.2	33
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60	Autologous Mesenchymal Stem Cell and Islet Cotransplantation: Safety and Efficacy. *Stem Cells Translational Medicine*, **2018**, 7, 11-19	6.9	32
59	Delineation of a conserved arrestin-biased signaling repertoire in vivo. *Molecular Pharmacology*, **2015**, 87, 706-17	4.3	31
58	Conformational Sensors and Domain Swapping Reveal Structural and Functional Differences between Arrestin Isoforms. *Cell Reports*, **2019**, 28, 3287-3299.e6	10.6	30
57	Translating in vitro ligand bias into in vivo efficacy. *Cellular Signalling*, **2018**, 41, 46-55	4.9	28
56	Selective inhibition of heterotrimeric Gs signaling. Targeting the receptor-G protein interface using a peptide minigene encoding the Galpha(s) carboxyl terminus. *Journal of Biological Chemistry*, **2002**, 277, 28631-40	5.4	28
55	Arrestin-dependent activation of ERK and Src family kinases. *Handbook of Experimental Pharmacology*, **2014**, 219, 225-57	3.2	27
54	Bradykinin decreases podocyte permeability through ADAM17-dependent epidermal growth factor receptor activation and zonula occludens-1 rearrangement. *Journal of Pharmacology and Experimental Therapeutics*, **2010**, 334, 775-83	4.7	24
53	Refining efficacy: exploiting functional selectivity for drug discovery. *Advances in Pharmacology*, **2011**, 62, 79-107	5.7	24
52	S1P in HDL promotes interaction between SR-BI and S1PR1 and activates S1PR1-mediated biological functions: calcium flux and S1PR1 internalization. *Journal of Lipid Research*, **2017**, 58, 325-338	6.3	23
51	Informatic deconvolution of biased GPCR signaling mechanisms from in vivo pharmacological experimentation. *Methods*, **2016**, 92, 51-63	4.6	22
50	Genetic variant in the promoter of connective tissue growth factor gene confers susceptibility to nephropathy in type 1 diabetes. *Journal of Medical Genetics*, **2010**, 47, 391-7	5.8	21
49	Inhibition of Sphingosine Kinase 1 Ameliorates Angiotensin II-Induced Hypertension and Inhibits Transmembrane Calcium Entry via Store-Operated Calcium Channel. *Molecular Endocrinology*, **2015**, 29, 896-908		20

48	Biasing the parathyroid hormone receptor: relating in vitro ligand efficacy to in vivo biological activity. *Methods in Enzymology*, **2013**, 522, 229-62	1.7	20
47	Arrestin pathways as drug targets. *Progress in Molecular Biology and Translational Science*, **2013**, 118, 469-97	4	20
46	Exploring G protein-coupled receptor signaling networks using SILAC-based phosphoproteomics. *Methods*, **2016**, 92, 36-50	4.6	19
45	Relationship between vitamin D status and incidence of vascular events in the Veterans Affairs Diabetes Trial. *Atherosclerosis*, **2013**, 228, 502-7	3.1	19
44	Heptahelical terpsichory. Who calls the tune?. *Journal of Receptor and Signal Transduction Research*, **2008**, 28, 39-58	2.6	19
43	Low-density lipoprotein induced expression of connective tissue growth factor via transactivation of sphingosine 1-phosphate receptors in mesangial cells. *Molecular Endocrinology*, **2012**, 26, 833-45		18
42	Textrous!: extracting semantic textual meaning from gene sets. *PLoS ONE*, **2013**, 8, e62665	3.7	18
41	Angiotensin II activates NF-B through AT1A receptor recruitment of arrestin in cultured rat vascular smooth muscle cells. *American Journal of Physiology - Cell Physiology*, **2013**, 304, C1176-86	5.4	16
40	Phospholipase C and protein kinase C- 2 mediate insulin-like growth factor II-dependent sphingosine kinase 1 activation. *Molecular Endocrinology*, **2011**, 25, 2144-56		16
39	GIT2-A keystone in ageing and age-related disease. *Ageing Research Reviews*, **2018**, 43, 46-63	12	13
38	Insulin-like Growth Factors Mediate Heterotrimeric G Protein-dependent ERK1/2 Activation by Transactivating Sphingosine 1-Phosphate Receptors. *Journal of Biological Chemistry*, **2006**, 281, 31399-31407	5.4	13
37	Transcriptomic characterization of signaling pathways associated with osteoblastic differentiation of MC-3T3E1 cells. *PLoS ONE*, **2019**, 14, e0204197	3.7	13
36	Angiotensin II-induced cyclooxygenase 2 expression in rat aorta vascular smooth muscle cells does not require heterotrimeric G protein activation. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 330, 118-24	4.7	12
35	Arrestin2 is a critical component of the GPCR-eNOS signalosome. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 11483-11492	11.5	11
34	Plasma Prekallikrein Is Associated With Carotid Intima-Media Thickness in Type 1 Diabetes. *Diabetes*, **2016**, 65, 498-502	0.9	11
33	Emergent biological properties of arrestin pathway-selective biased agonism. *Journal of Receptor and Signal Transduction Research*, **2013**, 33, 153-61	2.6	11
32	A high-content, live-cell, and real-time approach to the quantitation of ligand-induced Arrestin2 and Class A/Class B GPCR mobilization. *Microscopy and Microanalysis*, **2013**, 19, 150-70	0.5	10
31	Novel mechanisms in the regulation of G protein-coupled receptor trafficking to the plasma membrane. *Journal of Biological Chemistry*, **2010**, 285, 33816-25	5.4	10

30	Plasma Connective Tissue Growth Factor (CTGF/CCN2) Levels Predict Myocardial Infarction in the Veterans Affairs Diabetes Trial (VADT) Cohort. *Diabetes Care*, **2018**, 41, 840-846	14.6	9
29	Epidermal growth factor-induced proliferation of collecting duct cells from Oak Ridge polycystic kidney mice involves activation of Na+/H+ exchanger. *American Journal of Physiology - Cell Physiology*, **2014**, 307, C554-60	5.4	9
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25	Islet Harvest in Carbon Monoxide-Saturated Medium for Chronic Pancreatitis Patients Undergoing Islet Autotransplantation. *Cell Transplantation*, **2019**, 28, 25S-36S	4	8
24	Multivariate Generalized Linear Mixed Models With Random Intercepts To Analyze Cardiovascular Risk Markers in Type-1 Diabetic Patients. *Journal of Applied Statistics*, **2016**, 43, 1447-1464	1	7
23	SnapShot: Arrestin Functions. *Cell*, **2020**, 182, 1362-1362.e1	56.2	7
22	Angiotensin II receptors and peritoneal dialysis-induced peritoneal fibrosis. *International Journal of Biochemistry and Cell Biology*, **2016**, 77, 240-50	5.6	7
21	Big G, little G: G proteins and actin cytoskeletal reorganization. *Molecular Cell*, **2002**, 9, 1152-4	17.6	6
20	Regulation of mitogen-activated protein kinase pathways by catecholamine receptors. *Advances in Pharmacology*, **1998**, 42, 466-70	5.7	5
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18	Regulators of GPCR Activity **2005**, 159-198		4
17	ACTIVATION OF EXTRACELLULAR SIGNAL-REGULATED KINASE IN HUMAN PROSTATE CANCER. *Journal of Urology*, **1999**, 1537-1542	2.5	3
16	Aging-related modifications to G protein-coupled receptor signaling diversity. *Pharmacology & Therapeutics*, **2021**, 223, 107793	13.9	3
15	Probing Arrestin Function Using Intramolecular FlAsH-BRET Biosensors. *Methods in Molecular Biology*, **2019**, 1957, 309-322	1.4	2
14	Analysis of longitudinal semicontinuous data using marginalized two-part model. *Journal of Translational Medicine*, **2018**, 16, 301	8.5	2
13	Stimulation of Cyclooxygenase 2 Expression in Rat Peritoneal Mesothelial Cells. *Nephron Experimental Nephrology*, **2014**,		1

12	Arrestin-Dependent ERK Activation and Its Disruption **2017**, 199-217		1
11	MITOGENIC SIGNALING IN ANDROGEN SENSITIVE AND INSENSITIVE PROSTATE CANCER CELL LINES. *Journal of Urology*, **2000**, 1027	2.5	1
10	Longitudinal Plasma Kallikrein Levels and Their Association With the Risk of Cardiovascular Disease Outcomes in Type 1 Diabetes in DCCT/EDIC. *Diabetes*, **2020**, 69, 2440-2445	0.9	0
9	Phosphorylation of G Proteins **2003**, 609-612		
8	5-HT induces threonine (T375) phosphorylation of ADAM17/TACE cytoplasmic tail. *FASEB Journal*, **2008**, 22, 829.7	0.9	
7	The RXFP3-GIT2 signaling system represents a potential multidimensional therapeutic target in age-related disorders. *FASEB Journal*, **2018**, 32, 533.111	0.9	
6	Sphingosine 1 Phosphate Regulates Store-Operated Calcium Entry through binding to STIM1. *FASEB Journal*, **2018**, 32, 815.10	0.9	
5	Ligand-specific patterns of PTH1R and arrestin3 internalization and trafficking define a novel form of ligand Bias *FASEB Journal*, **2018**, 32, 685.3	0.9	
4	Sphingosine Kinase 1 Mediates Transmembrane Calcium Entry via Store-Operated Calcium Channel. *FASEB Journal*, **2015**, 29, 715.34	0.9	
3	Is Signaling Specificity Encoded in Arrestin Conformation? **2017**, 235-253		
2	Biased agonism reveals new G protein-independent AT1a receptor signals. *FASEB Journal*, **2009**, 23, 880.5	0.9	
1	Reply to Schierwagen et al.: Arrestins in liver disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 27085-27086	11.5	