

Louis M Luttrell

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Aging-related modifications to G protein-coupled receptor signaling diversity. <i>Pharmacology & Therapeutics</i> , 2021 , 223, 107793	13.9	3
154	βArrestin2 is a critical component of the GPCR-eNOS signalosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 11483-11492	11.5	11
153	Reply to Schierwagen et al.: βArrestins in liver disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 27085-27086	11.5	
152	Longitudinal Plasma Kallikrein Levels and Their Association With the Risk of Cardiovascular Disease Outcomes in Type 1 Diabetes in DCCT/EDIC. <i>Diabetes</i> , 2020 , 69, 2440-2445	0.9	0
151	SnapShot: βArrestin Functions. <i>Cell</i> , 2020 , 182, 1362-1362.e1	56.2	7
150	Conformational Sensors and Domain Swapping Reveal Structural and Functional Differences between βArrestin Isoforms. <i>Cell Reports</i> , 2019 , 28, 3287-3299.e6	10.6	30
149	Probing Arrestin Function Using Intramolecular FLASH-BRET Biosensors. <i>Methods in Molecular Biology</i> , 2019 , 1957, 309-322	1.4	2
148	Islet Harvest in Carbon Monoxide-Saturated Medium for Chronic Pancreatitis Patients Undergoing Islet Autotransplantation. <i>Cell Transplantation</i> , 2019 , 28, 255-365	4	8
147	Transcriptomic characterization of signaling pathways associated with osteoblastic differentiation of MC-3T3E1 cells. <i>PLoS ONE</i> , 2019 , 14, e0204197	3.7	13
146	Plasma Connective Tissue Growth Factor (CTGF/CCN2) Levels Predict Myocardial Infarction in the Veterans Affairs Diabetes Trial (VADT) Cohort. <i>Diabetes Care</i> , 2018 , 41, 840-846	14.6	9
145	GIT2-A keystone in ageing and age-related disease. <i>Ageing Research Reviews</i> , 2018 , 43, 46-63	12	13
144	Translating in vitro ligand bias into in vivo efficacy. <i>Cellular Signalling</i> , 2018 , 41, 46-55	4.9	28
143	The RXFP3-GIT2 signaling system represents a potential multidimensional therapeutic target in age-related disorders. <i>FASEB Journal</i> , 2018 , 32, 533.111	0.9	
142	Sphingosine 1 Phosphate Regulates Store-Operated Calcium Entry through binding to STIM1. <i>FASEB Journal</i> , 2018 , 32, 815.10	0.9	
141	Ligand-specific patterns of PTH1R and arrestin3 internalization and trafficking define a novel form of ligand Bias. <i>FASEB Journal</i> , 2018 , 32, 685.3	0.9	
140	Autologous Mesenchymal Stem Cell and Islet Cotransplantation: Safety and Efficacy. <i>Stem Cells Translational Medicine</i> , 2018 , 7, 11-19	6.9	32
139	βArrestin Based Receptor Signaling Paradigms: Potential Therapeutic Targets for Complex Age-Related Disorders. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1369	5.6	36

138	Analysis of longitudinal semicontinuous data using marginalized two-part model. <i>Journal of Translational Medicine</i> , 2018 , 16, 301	8.5	2
137	Manifold roles of Arrestins in GPCR signaling elucidated with siRNA and CRISPR/Cas9. <i>Science Signaling</i> , 2018 , 11,	8.8	116
136	The Diverse Roles of Arrestin Scaffolds in G Protein-Coupled Receptor Signaling. <i>Pharmacological Reviews</i> , 2017 , 69, 256-297	22.5	234
135	S1P in HDL promotes interaction between SR-BI and S1PR1 and activates S1PR1-mediated biological functions: calcium flux and S1PR1 internalization. <i>Journal of Lipid Research</i> , 2017 , 58, 325-338	6.3	23
134	Arrestin-Dependent ERK Activation and Its Disruption 2017 , 199-217		1
133	Is Signaling Specificity Encoded in Arrestin Conformation? 2017 , 235-253		
132	Informatic deconvolution of biased GPCR signaling mechanisms from in vivo pharmacological experimentation. <i>Methods</i> , 2016 , 92, 51-63	4.6	22
131	GPCR Signaling Rides a Wave of Conformational Changes. <i>Cell</i> , 2016 , 167, 602-603	56.2	4
130	Plasma Prekallikrein Is Associated With Carotid Intima-Media Thickness in Type 1 Diabetes. <i>Diabetes</i> , 2016 , 65, 498-502	0.9	11
129	The conformational signature of Arrestin2 predicts its trafficking and signalling functions. <i>Nature</i> , 2016 , 531, 665-8	50.4	144
128	Multivariate Generalized Linear Mixed Models With Random Intercepts To Analyze Cardiovascular Risk Markers in Type-1 Diabetic Patients. <i>Journal of Applied Statistics</i> , 2016 , 43, 1447-1464	1	7
127	Exploring G protein-coupled receptor signaling networks using SILAC-based phosphoproteomics. <i>Methods</i> , 2016 , 92, 36-50	4.6	19
126	Angiotensin II receptors and peritoneal dialysis-induced peritoneal fibrosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 77, 240-50	5.6	7
125	Hyperparathyroidism-jaw Tumor Syndrome: An Overlooked Cause of Severe Hypercalcemia. <i>American Journal of the Medical Sciences</i> , 2016 , 352, 302-5	2.2	9
124	Delineation of a conserved arrestin-biased signaling repertoire in vivo. <i>Molecular Pharmacology</i> , 2015 , 87, 706-17	4.3	31
123	Inhibition of Sphingosine Kinase 1 Ameliorates Angiotensin II-Induced Hypertension and Inhibits Transmembrane Calcium Entry via Store-Operated Calcium Channel. <i>Molecular Endocrinology</i> , 2015 , 29, 896-908		20
122	Fulfilling the Promise of "Biased" G Protein-Coupled Receptor Agonism. <i>Molecular Pharmacology</i> , 2015 , 88, 579-88	4.3	153
121	Sphingosine Kinase 1 Mediates Transmembrane Calcium Entry via Store-Operated Calcium Channel. <i>FASEB Journal</i> , 2015 , 29, 715.34	0.9	

120	Stimulation of Cyclooxygenase 2 Expression in Rat Peritoneal Mesothelial Cells. <i>Nephron Experimental Nephrology</i> , 2014 ,		1
119	Epidermal growth factor-induced proliferation of collecting duct cells from Oak Ridge polycystic kidney mice involves activation of Na ⁺ /H ⁺ exchanger. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 307, C554-60	5.4	9
118	Arrestin-dependent activation of ERK and Src family kinases. <i>Handbook of Experimental Pharmacology</i> , 2014 , 219, 225-57	3.2	27
117	Arrestin-dependent angiotensin AT1 receptor signaling regulates Akt and mTor-mediated protein synthesis. <i>Journal of Biological Chemistry</i> , 2014 , 289, 26155-26166	5.4	35
116	Minireview: More than just a hammer: ligand "bias" and pharmaceutical discovery. <i>Molecular Endocrinology</i> , 2014 , 28, 281-94		99
115	Biasing the parathyroid hormone receptor: relating in vitro ligand efficacy to in vivo biological activity. <i>Methods in Enzymology</i> , 2013 , 522, 229-62	1.7	20
114	The arrestin-selective angiotensin AT1 receptor agonist [Sar1, Ile4, Ile8]-AngII negatively regulates bradykinin B2 receptor signaling via AT1-B2 receptor heterodimers. <i>Journal of Biological Chemistry</i> , 2013 , 288, 18872-84	5.4	39
113	Relationship between vitamin D status and incidence of vascular events in the Veterans Affairs Diabetes Trial. <i>Atherosclerosis</i> , 2013 , 228, 502-7	3.1	19
112	Emergent biological properties of arrestin pathway-selective biased agonism. <i>Journal of Receptor and Signal Transduction Research</i> , 2013 , 33, 153-61	2.6	11
111	Arrestin-selective G protein-coupled receptor agonists engender unique biological efficacy in vivo. <i>Molecular Endocrinology</i> , 2013 , 27, 296-314		54
110	Angiotensin II activates NF- κ B through AT1A receptor recruitment of Arrestin in cultured rat vascular smooth muscle cells. <i>American Journal of Physiology - Cell Physiology</i> , 2013 , 304, C1176-86	5.4	16
109	Arrestins as regulators of kinases and phosphatases. <i>Progress in Molecular Biology and Translational Science</i> , 2013 , 118, 115-47	4	49
108	Arrestin pathways as drug targets. <i>Progress in Molecular Biology and Translational Science</i> , 2013 , 118, 469-97	4	20
107	A high-content, live-cell, and real-time approach to the quantitation of ligand-induced Arrestin2 and Class A/Class B GPCR mobilization. <i>Microscopy and Microanalysis</i> , 2013 , 19, 150-70	0.5	10
106	Textrousl!: extracting semantic textual meaning from gene sets. <i>PLoS ONE</i> , 2013 , 8, e62665	3.7	18
105	Low-density lipoprotein induced expression of connective tissue growth factor via transactivation of sphingosine 1-phosphate receptors in mesangial cells. <i>Molecular Endocrinology</i> , 2012 , 26, 833-45		18
104	Endocrine function in aging. <i>International Journal of Endocrinology</i> , 2012 , 2012, 872478	2.7	9
103	Functional signaling biases in G protein-coupled receptors: Game Theory and receptor dynamics. <i>Mini-Reviews in Medicinal Chemistry</i> , 2012 , 12, 831-40	3.2	33

102	Refining efficacy: allosterism and bias in G protein-coupled receptor signaling. <i>Methods in Molecular Biology</i> , 2011 , 756, 3-35	1.4	66
101	'Biasing' the parathyroid hormone receptor: a novel anabolic approach to increasing bone mass?. <i>British Journal of Pharmacology</i> , 2011 , 164, 59-67	8.6	37
100	Increased expression of beta-arrestin 1 and 2 in murine models of rheumatoid arthritis: isoform specific regulation of inflammation. <i>Molecular Immunology</i> , 2011 , 49, 64-74	4.3	42
99	Refining efficacy: exploiting functional selectivity for drug discovery. <i>Advances in Pharmacology</i> , 2011 , 62, 79-107	5.7	24
98	Phospholipase C and protein kinase C- β mediate insulin-like growth factor II-dependent sphingosine kinase 1 activation. <i>Molecular Endocrinology</i> , 2011 , 25, 2144-56		16
97	The beta-arrestin pathway-selective type 1A angiotensin receptor (AT1A) agonist [Sar1,Ile4,Ile8]angiotensin II regulates a robust G protein-independent signaling network. <i>Journal of Biological Chemistry</i> , 2011 , 286, 19880-91	5.4	54
96	Beta-arrestin 2 negatively regulates sepsis-induced inflammation. <i>Immunology</i> , 2010 , 130, 344-51	7.8	60
95	HDL3, but not HDL2, stimulates plasminogen activator inhibitor-1 release from adipocytes: the role of sphingosine-1-phosphate. <i>Journal of Lipid Research</i> , 2010 , 51, 2619-28	6.3	42
94	Plasma kallikrein promotes epidermal growth factor receptor transactivation and signaling in vascular smooth muscle through direct activation of protease-activated receptors. <i>Journal of Biological Chemistry</i> , 2010 , 285, 35206-15	5.4	41
93	Bradykinin decreases podocyte permeability through ADAM17-dependent epidermal growth factor receptor activation and zonula occludens-1 rearrangement. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 334, 775-83	4.7	24
92	Beyond desensitization: physiological relevance of arrestin-dependent signaling. <i>Pharmacological Reviews</i> , 2010 , 62, 305-30	22.5	315
91	Genetic variant in the promoter of connective tissue growth factor gene confers susceptibility to nephropathy in type 1 diabetes. <i>Journal of Medical Genetics</i> , 2010 , 47, 391-7	5.8	21
90	Novel mechanisms in the regulation of G protein-coupled receptor trafficking to the plasma membrane. <i>Journal of Biological Chemistry</i> , 2010 , 285, 33816-25	5.4	10
89	Allosteric modulators of g protein-coupled receptors: future therapeutics for complex physiological disorders. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 331, 340-8	4.7	77
88	Angiotensin II-induced cyclooxygenase 2 expression in rat aorta vascular smooth muscle cells does not require heterotrimeric G protein activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 330, 118-24	4.7	12
87	c-Src-mediated phosphorylation of AP-2 reveals a general mechanism for receptors internalizing through the clathrin pathway. <i>Cellular Signalling</i> , 2009 , 21, 103-10	4.9	48
86	Diversity in arrestin function. <i>Cellular and Molecular Life Sciences</i> , 2009 , 66, 2953-73	10.3	51
85	Essential role of c-Cbl in amphiregulin-induced recycling and signaling of the endogenous epidermal growth factor receptor. <i>Biochemistry</i> , 2009 , 48, 1462-73	3.2	39

84	A beta-arrestin-biased agonist of the parathyroid hormone receptor (PTH1R) promotes bone formation independent of G protein activation. <i>Science Translational Medicine</i> , 2009 , 1, 1ra1	17.5	165
83	Insulin-like growth factor-2/mannose-6 phosphate receptors. <i>Vitamins and Hormones</i> , 2009 , 80, 667-97	2.5	62
82	Biased agonism reveals new G protein-independent AT1a receptor signals. <i>FASEB Journal</i> , 2009 , 23, 880.5.9		
81	Heptahelical terpsichory. Who calls the tune?. <i>Journal of Receptor and Signal Transduction Research</i> , 2008 , 28, 39-58	2.6	19
80	The adiponectin receptors AdipoR1 and AdipoR2 activate ERK1/2 through a Src/Ras-dependent pathway and stimulate cell growth. <i>Biochemistry</i> , 2008 , 47, 11682-92	3.2	90
79	Role of beta-arrestin-mediated desensitization and signaling in the control of angiotensin AT1a receptor-stimulated transcription. <i>Journal of Biological Chemistry</i> , 2008 , 283, 2088-97	5.4	53
78	Connective tissue growth factor and susceptibility to renal and vascular disease risk in type 1 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 1893-900	5.6	50
77	Reviews in molecular biology and biotechnology: transmembrane signaling by G protein-coupled receptors. <i>Molecular Biotechnology</i> , 2008 , 39, 239-64	3	105
76	5-HT induces threonine (T375) phosphorylation of ADAM17/TACE cytoplasmic tail. <i>FASEB Journal</i> , 2008 , 22, 829.7	0.9	
75	Identification of a putative nuclear localization sequence within ANG II AT(1A) receptor associated with nuclear activation. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C1398-408	5.4	40
74	G protein-coupled receptor signaling complexity in neuronal tissue: implications for novel therapeutics. <i>Current Alzheimer Research</i> , 2007 , 4, 3-19	3	41
73	Ubiquitination of beta-arrestin links seven-transmembrane receptor endocytosis and ERK activation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 29549-62	5.4	109
72	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. <i>Journal of Biological Chemistry</i> , 2007 , 282, 26150-7	5.4	44
71	Beta-arrestins 1 and 2 differentially regulate LPS-induced signaling and pro-inflammatory gene expression. <i>Molecular Immunology</i> , 2007 , 44, 3092-9	4.3	73
70	Transmembrane signaling by G protein-coupled receptors. <i>Methods in Molecular Biology</i> , 2006 , 332, 3-49	1.4	86
69	Constitutive ERK1/2 activation by a chimeric neurokinin 1 receptor-beta-arrestin1 fusion protein. Probing the composition and function of the G protein-coupled receptor "signalsome". <i>Journal of Biological Chemistry</i> , 2006 , 281, 19346-57	5.4	32
68	Arrestin-mediated ERK activation by gonadotropin-releasing hormone receptors: receptor-specific activation mechanisms and compartmentalization. <i>Journal of Biological Chemistry</i> , 2006 , 281, 2701-10	5.4	53
67	5-HT _{2A} 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. <i>Journal of Biological Chemistry</i> , 2006 , 281, 21004-21012	5.4	86

66	Distinct beta-arrestin- and G protein-dependent pathways for parathyroid hormone receptor-stimulated ERK1/2 activation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 10856-64	5.4	383
65	Insulin-like growth factors mediate heterotrimeric G protein-dependent ERK1/2 activation by transactivating sphingosine 1-phosphate receptors. <i>Journal of Biological Chemistry</i> , 2006 , 281, 31399-407	5.4	77
64	Signal switching, crosstalk, and arrestin scaffolds: novel G protein-coupled receptor signaling in cardiovascular disease. <i>Hypertension</i> , 2006 , 48, 173-9	8.5	46
63	Insulin-like Growth Factors Mediate Heterotrimeric G Protein-dependent ERK1/2 Activation by Transactivating Sphingosine 1-Phosphate Receptors. <i>Journal of Biological Chemistry</i> , 2006 , 281, 31399-31407	5.4	13
62	Composition and function of g protein-coupled receptor signalsomes controlling mitogen-activated protein kinase activity. <i>Journal of Molecular Neuroscience</i> , 2005 , 26, 253-64	3.3	93
61	The origins of diversity and specificity in g protein-coupled receptor signaling. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 314, 485-94	4.7	161
60	beta-Arrestin 2 expression determines the transcriptional response to lysophosphatidic acid stimulation in murine embryo fibroblasts. <i>Journal of Biological Chemistry</i> , 2005 , 280, 32157-67	5.4	42
59	Beta-arrestin- and G protein receptor kinase-mediated calcium-sensing receptor desensitization. <i>Molecular Endocrinology</i> , 2005 , 19, 1078-87		70
58	Regulators of GPCR Activity 2005 , 159-198		4
57	Ectodomain shedding-dependent transactivation of epidermal growth factor receptors in response to insulin-like growth factor type I. <i>Molecular Endocrinology</i> , 2004 , 18, 2727-39		41
56	Not so strange bedfellows: G-protein-coupled receptors and Src family kinases. <i>Oncogene</i> , 2004 , 23, 7969-78	9.78	187
55	Protein kinase A and G protein-coupled receptor kinase phosphorylation mediates beta-1 adrenergic receptor endocytosis through different pathways. <i>Journal of Biological Chemistry</i> , 2003 , 278, 35403-11	5.4	124
54	The stability of the G protein-coupled receptor-beta-arrestin interaction determines the mechanism and functional consequence of ERK activation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 6258-67	5.4	282
53	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. <i>Molecular Endocrinology</i> , 2003 , 17, 1607-21		43
52	Signaling in time and space: G protein-coupled receptors and mitogen-activated protein kinases. <i>Assay and Drug Development Technologies</i> , 2003 , 1, 327-38	2.1	56
51	Independent beta-arrestin 2 and G protein-mediated pathways for angiotensin II activation of extracellular signal-regulated kinases 1 and 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 10782-7	11.5	569
50	Dual inhibition of beta-adrenergic and angiotensin II receptors by a single antagonist: a functional role for receptor-receptor interaction in vivo. <i>Circulation</i> , 2003 , 108, 1611-8	16.7	217
49	Phosphorylation of G Proteins 2003 , 609-612		

48	Protein kinase A-mediated phosphorylation of the beta 2-adrenergic receptor regulates its coupling to Gs and Gi. Demonstration in a reconstituted system. <i>Journal of Biological Chemistry</i> , 2002 , 277, 31249-56	5.4	148
47	beta-Arrestin scaffolding of the ERK cascade enhances cytosolic ERK activity but inhibits ERK-mediated transcription following angiotensin AT1a receptor stimulation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 9429-36	5.4	314
46	Selective inhibition of heterotrimeric Gs signaling. Targeting the receptor-G protein interface using a peptide minigene encoding the Galpha(s) carboxyl terminus. <i>Journal of Biological Chemistry</i> , 2002 , 277, 28631-40	5.4	28
45	Src-dependent tyrosine phosphorylation regulates dynamin self-assembly and ligand-induced endocytosis of the epidermal growth factor receptor. <i>Journal of Biological Chemistry</i> , 2002 , 277, 26642-51	5.4	118
44	Dancing with different partners: protein kinase a phosphorylation of seven membrane-spanning receptors regulates their G protein-coupling specificity. <i>Molecular Pharmacology</i> , 2002 , 62, 971-4	4.3	148
43	Activation and targeting of mitogen-activated protein kinases by G-protein-coupled receptors. <i>Canadian Journal of Physiology and Pharmacology</i> , 2002 , 80, 375-82	2.4	98
42	Big G, little G: G proteins and actin cytoskeletal reorganization. <i>Molecular Cell</i> , 2002 , 9, 1152-4	17.6	6
41	The role of beta-arrestins in the termination and transduction of G-protein-coupled receptor signals. <i>Journal of Cell Science</i> , 2002 , 115, 455-465	5.3	788
40	The role of beta-arrestins in the termination and transduction of G-protein-coupled receptor signals. <i>Journal of Cell Science</i> , 2002 , 115, 455-65	5.3	729
39	New mechanisms in heptahelical receptor signaling to mitogen activated protein kinase cascades. <i>Oncogene</i> , 2001 , 20, 1532-9	9.2	367
38	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. <i>Journal of Biological Chemistry</i> , 2001 , 276, 23155-60	5.4	176
37	beta -Arrestin-mediated recruitment of the Src family kinase Yes mediates endothelin-1-stimulated glucose transport. <i>Journal of Biological Chemistry</i> , 2001 , 276, 43663-7	5.4	103
36	G protein-coupled receptors desensitize and down-regulate epidermal growth factor receptors in renal mesangial cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 27335-44	5.4	41
35	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. <i>Journal of Biological Chemistry</i> , 2000 , 275, 11312-9	5.4	167
34	Direct binding of activated c-Src to the beta 3-adrenergic receptor is required for MAP kinase activation. <i>Journal of Biological Chemistry</i> , 2000 , 275, 38131-4	5.4	161
33	Platelet-derived growth factor receptor association with Na(+)/H(+) exchanger regulatory factor potentiates receptor activity. <i>Molecular and Cellular Biology</i> , 2000 , 20, 8352-63	4.8	178
32	Pasteurella multocida toxin stimulates mitogen-activated protein kinase via G(q/11)-dependent transactivation of the epidermal growth factor receptor. <i>Journal of Biological Chemistry</i> , 2000 , 275, 22392-5	5.4	74
31	Role of endocytosis in the activation of the extracellular signal-regulated kinase cascade by sequestering and nonsequestering G protein-coupled receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 1489-94	11.5	200

30	The beta(2)-adrenergic receptor mediates extracellular signal-regulated kinase activation via assembly of a multi-receptor complex with the epidermal growth factor receptor. <i>Journal of Biological Chemistry</i> , 2000 , 275, 9572-80	5.4	341
29	Transactivation of the EGF receptor mediates IGF-1-stimulated shc phosphorylation and ERK1/2 activation in COS-7 cells. <i>Journal of Biological Chemistry</i> , 2000 , 275, 22583-9	5.4	199
28	MITOGENIC SIGNALING IN ANDROGEN SENSITIVE AND INSENSITIVE PROSTATE CANCER CELL LINES. <i>Journal of Urology</i> , 2000 , 163, 1027-1032	2.5	63
27	MITOGENIC SIGNALING IN ANDROGEN SENSITIVE AND INSENSITIVE PROSTATE CANCER CELL LINES. <i>Journal of Urology</i> , 2000 , 1027	2.5	1
26	Feedback regulation of beta-arrestin1 function by extracellular signal-regulated kinases. <i>Journal of Biological Chemistry</i> , 1999 , 274, 15971-4	5.4	113
25	Src-mediated tyrosine phosphorylation of dynamin is required for beta2-adrenergic receptor internalization and mitogen-activated protein kinase signaling. <i>Journal of Biological Chemistry</i> , 1999 , 274, 1185-8	5.4	223
24	The beta3-adrenergic receptor activates mitogen-activated protein kinase in adipocytes through a Gi-dependent mechanism. <i>Journal of Biological Chemistry</i> , 1999 , 274, 12017-22	5.4	146
23	Serotonin 5-HT1A receptor-mediated Erk activation requires calcium/calmodulin-dependent receptor endocytosis. <i>Journal of Biological Chemistry</i> , 1999 , 274, 4749-53	5.4	123
22	Pleiotropic coupling of G protein-coupled receptors to the mitogen-activated protein kinase cascade. Role of focal adhesions and receptor tyrosine kinases. <i>Journal of Biological Chemistry</i> , 1999 , 274, 13978-84	5.4	212
21	Regulation of tyrosine kinase cascades by G-protein-coupled receptors. <i>Current Opinion in Cell Biology</i> , 1999 , 11, 177-83	9	608
20	Beta-arrestin-dependent formation of beta2 adrenergic receptor-Src protein kinase complexes. <i>Science</i> , 1999 , 283, 655-61	33.3	1252
19	ACTIVATION OF EXTRACELLULAR SIGNAL-REGULATED KINASE IN HUMAN PROSTATE CANCER. <i>Journal of Urology</i> , 1999 , 162, 1537-1542	2.5	105
18	ACTIVATION OF EXTRACELLULAR SIGNAL-REGULATED KINASE IN HUMAN PROSTATE CANCER. <i>Journal of Urology</i> , 1999 , 1537-1542	2.5	3
17	Regulation of mitogen-activated protein kinase pathways by catecholamine receptors. <i>Advances in Pharmacology</i> , 1998 , 42, 466-70	5.7	5
16	Targeting the receptor-Gq interface to inhibit in vivo pressure overload myocardial hypertrophy. <i>Science</i> , 1998 , 280, 574-7	33.3	393
15	Essential role for G protein-coupled receptor endocytosis in the activation of mitogen-activated protein kinase. <i>Journal of Biological Chemistry</i> , 1998 , 273, 685-8	5.4	439
14	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. <i>Journal of Biological Chemistry</i> , 1997 , 272, 31648-56	5.4	180
13	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. <i>Journal of Biological Chemistry</i> , 1997 , 272, 19125-32	5.4	376

12	Gbetagamma subunits mediate Src-dependent phosphorylation of the epidermal growth factor receptor. A scaffold for G protein-coupled receptor-mediated Ras activation. <i>Journal of Biological Chemistry</i> , 1997 , 272, 4637-44	5.4	366
11	Switching of the coupling of the beta2-adrenergic receptor to different G proteins by protein kinase A. <i>Nature</i> , 1997 , 390, 88-91	50.4	1090
10	21 G-protein-coupled receptors and their regulation. <i>Advances in Second Messenger and Phosphoprotein Research</i> , 1997 , 263-277		76
9	Mitogenic signaling via G protein-coupled receptors. <i>Endocrine Reviews</i> , 1996 , 17, 698-714	27.2	373
8	Role of c-Src tyrosine kinase in G protein-coupled receptor- and Gbetagamma subunit-mediated activation of mitogen-activated protein kinases. <i>Journal of Biological Chemistry</i> , 1996 , 271, 19443-50	5.4	435
7	G(o)-protein alpha-subunits activate mitogen-activated protein kinase via a novel protein kinase C-dependent mechanism. <i>Journal of Biological Chemistry</i> , 1996 , 271, 1266-9	5.4	175
6	Phosphatidylinositol 3-kinase is an early intermediate in the G beta gamma-mediated mitogen-activated protein kinase signaling pathway. <i>Journal of Biological Chemistry</i> , 1996 , 271, 12133-6	5.4	316
5	Receptor-tyrosine-kinase- and G beta gamma-mediated MAP kinase activation by a common signalling pathway. <i>Nature</i> , 1995 , 376, 781-4	50.4	526
4	Distinct pathways of Gi- and Gq-mediated mitogen-activated protein kinase activation. <i>Journal of Biological Chemistry</i> , 1995 , 270, 17148-53	5.4	357
3	G beta gamma subunits mediate mitogen-activated protein kinase activation by the tyrosine kinase insulin-like growth factor 1 receptor. <i>Journal of Biological Chemistry</i> , 1995 , 270, 16495-8	5.4	170
2	Effect of cellular expression of pleckstrin homology domains on Gi-coupled receptor signaling. <i>Journal of Biological Chemistry</i> , 1995 , 270, 12984-9	5.4	72
1	Partial insulin resistance in the mouse BC3H-1 cell line: absent hexose-independent actions of insulin. <i>Endocrinology</i> , 1986 , 119, 331-42	4.8	8