Robert J Lefkowitz

List of Publications by Year in Descending Order

150 papers	36,765 citations	86 h-index	157 g-index
157 ext. papers	39,815 ext. citations	20.4 avg, IF	7.35 L-index

#	Paper	IF	Citations
150	The GPCR-arrestin complex allosterically activates C-Raf by binding its amino terminus. *Journal of Biological Chemistry*, **2021**, 297, 101369	5.4	1
149	Signaling at the endosome: cryo-EM structure of a GPCR-G protein-beta-arrestin megacomplex. *FEBS Journal*, **2021**, 288, 2562-2569	5.7	7
148	-Arrestin-Biased Allosteric Modulator Potentiates Carvedilol-Stimulated Adrenergic Receptor Cardioprotection. *Molecular Pharmacology*, **2021**, 100, 568-579	4.3	3
147	Unique Positive Cooperativity Between the -Arrestin-Biased -Blocker Carvedilol and a Small Molecule Positive Allosteric Modulator of the 2-Adrenergic Receptor. *Molecular Pharmacology*, **2021**, 100, 513-525	4.3	3
146	The arrestin-biased adrenergic receptor blocker carvedilol enhances skeletal muscle contractility. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 12435-12443	11.5	10
145	Arrestin-Biased Angiotensin II Receptor Agonists for COVID-19. *Circulation*, **2020**, 142, 318-320	16.7	10
144	Conformational Basis of G Protein-Coupled Receptor Signaling Versatility. *Trends in Cell Biology*, **2020**, 30, 736-747	18.3	43
143	Angiotensin and biased analogs induce structurally distinct active conformations within a GPCR. *Science*, **2020**, 367, 888-892	33.3	74
142	Molecular mechanism of biased signaling in a prototypical G protein-coupled receptor. *Science*, **2020**, 367, 881-887	33.3	74
141	Structure of the M2 muscarinic receptor-arrestin complex in a lipid nanodisc. *Nature*, **2020**, 579, 297-302	50.4	123
140	Allosteric activation of proto-oncogene kinase Src by GPCR-beta-arrestin complexes. *Journal of Biological Chemistry*, **2020**, 295, 16773-16784	5.4	11
139	Synthetic nanobodies as angiotensin receptor blockers. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 20284-20291	11.5	14
138	SnapShot: Arrestin Functions. *Cell*, **2020**, 182, 1362-1362.e1	56.2	7
137	Detergent- and phospholipid-based reconstitution systems have differential effects on constitutive activity of G-protein-coupled receptors. *Journal of Biological Chemistry*, **2019**, 294, 13218-13223	5.4	19
136	Mechanism of AR regulation by an intracellular positive allosteric modulator. *Science*, **2019**, 364, 1283-1287	33.3	36
135	Structure of an endosomal signaling GPCR-G protein-arrestin megacomplex. *Nature Structural and Molecular Biology*, **2019**, 26, 1123-1131	17.6	80
134	Angiotensin Analogs with Divergent Bias Stabilize Distinct Receptor Conformations. *Cell*, **2019**, 176, 468-478.e11	56.2	104

133	Distinctive Activation Mechanism for Angiotensin Receptor Revealed by a Synthetic Nanobody. *Cell* , **2019**, 176, 479-490.e12	56.2	93
132	Biased signalling: from simple switches to allosteric microprocessors. *Nature Reviews Drug Discovery*, **2018**, 17, 243-260	64.1	319
131	Sortase ligation enables homogeneous GPCR phosphorylation to reveal diversity in -arrestin coupling. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 3834-3839	11.5	39
130	A Serendipitous Scientist. *Annual Review of Pharmacology and Toxicology*, **2018**, 58, 17-32	17.9	1
129	GPCR signaling: conformational activation of arrestins. *Cell Research*, **2018**, 28, 783-784	24.7	11
128	G protein-coupled receptor kinases (GRKs) orchestrate biased agonism at the -adrenergic receptor. *Science Signaling*, **2018**, 11,	8.8	30
127	-arrestin 1 regulates -adrenergic receptor-mediated skeletal muscle hypertrophy and contractility. *Skeletal Muscle*, **2018**, 8, 39	5.1	21
126	Manifold roles of -arrestins in GPCR signaling elucidated with siRNA and CRISPR/Cas9. *Science Signaling*, **2018**, 11,	8.8	116
125	Small-Molecule Positive Allosteric Modulators of the -Adrenoceptor Isolated from DNA-Encoded Libraries. *Molecular Pharmacology*, **2018**, 94, 850-861	4.3	42
124	Allosteric "beta-blocker" isolated from a DNA-encoded small molecule library. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 1708-1713	11.5	90
123	Distinct conformations of GPCR--arrestin complexes mediate desensitization, signaling, and endocytosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 2562-2567	11.5	194
122	-Arrestin2 Couples Metabotropic Glutamate Receptor 5 to Neuronal Protein Synthesis and Is a Potential Target to Treat Fragile X. *Cell Reports*, **2017**, 18, 2807-2814	10.6	41
121	Mechanism of intracellular allosteric AR antagonist revealed by X-ray crystal structure. *Nature*, **2017**, 548, 480-484	50.4	100
120	-Arrestin2 mediates progression of murine primary myelofibrosis. *JCI Insight*, **2017**, 2,	9.9	4
119	Allosteric nanobodies reveal the dynamic range and diverse mechanisms of G-protein-coupled receptor activation. *Nature*, **2016**, 535, 448-52	50.4	205
118	Conformationally selective RNA aptamers allosterically modulate the -adrenoceptor. *Nature Chemical Biology*, **2016**, 12, 709-16	11.7	53
117	GPCR-G Protein--Arrestin Super-Complex Mediates Sustained G Protein Signaling. *Cell*, **2016**, 166, 907-919	56.2	324
116	The role of -arrestin2-dependent signaling in thoracic aortic aneurysm formation in a murine model of Marfan syndrome. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 309, H1516-27	5.2	14

115	□arrestin2 Is Necessary for Development of MPLW515L Mutant Primary Myelofibrosis. *Blood*, **2015** , 126, 486-486	2.2	
114	Divergent transducer-specific molecular efficacies generate biased agonism at a G protein-coupled receptor (GPCR). *Journal of Biological Chemistry*, **2014**, 289, 14211-24	5.4	82
113	Visualization of arrestin recruitment by a G-protein-coupled receptor. *Nature*, **2014**, 512, 218-222	50.4	349
112	Regulation of □-adrenergic receptor function by conformationally selective single-domain intrabodies. *Molecular Pharmacology*, **2014**, 85, 472-81	4.3	97
111	Recent developments in biased agonism. *Current Opinion in Cell Biology*, **2014**, 27, 18-24	9	220
110	Allosteric modulation of □arrestin-biased angiotensin II type 1 receptor signaling by membrane stretch. *Journal of Biological Chemistry*, **2014**, 289, 28271-83	5.4	44
109	Discovery of □ Adrenergic Receptor Ligands Using Biosensor Fragment Screening of Tagged Wild-Type Receptor. *ACS Medicinal Chemistry Letters*, **2013**, 4, 1005-1010	4.3	55
108	Arrestins come of age: a personal historical perspective. *Progress in Molecular Biology and Translational Science*, **2013**, 118, 3-18	4	44
107	Structure of active □arrestin-1 bound to a G-protein-coupled receptor phosphopeptide. *Nature*, **2013**, 497, 137-41	50.4	310
106	A brief history of G-protein coupled receptors (Nobel Lecture). *Angewandte Chemie - International Edition*, **2013**, 52, 6366-78	16.4	171
105	Eine kurze Geschichte der G-Protein-gekoppelten Rezeptoren (Nobel-Aufsatz). *Angewandte Chemie* , **2013**, 125, 6494-6507	3.6	9
104	Crystal structure of active Beta-arrestin1 bound to phosphorylated carboxy-terminus of a G protein-coupled receptor. *FASEB Journal*, **2013**, 27, lb549	0.9	
103	Targeting □arrestin2 Enhances Survival in a Murine Model of Chronic Myeloid Leukemia. *Blood*, **2013**, 122, 857-857	2.2	
102	Molecular mechanism of □arrestin-biased agonism at seven-transmembrane receptors. *Annual Review of Pharmacology and Toxicology*, **2012**, 52, 179-97	17.9	461
101	A stress response pathway regulates DNA damage through □-adrenoreceptors and □arrestin-1. *Nature*, **2011**, 477, 349-53	50.4	280
100	Therapeutic potential of □arrestin- and G protein-biased agonists. *Trends in Molecular Medicine*, **2011**, 17, 126-39	11.5	413
99	□Arrestin-mediated receptor trafficking and signal transduction. *Trends in Pharmacological Sciences*, **2011**, 32, 521-33	13.2	519
98	Emerging paradigms of □arrestin-dependent seven transmembrane receptor signaling. *Trends in Biochemical Sciences*, **2011**, 36, 457-69	10.3	345

97	Distinct phosphorylation sites on the (2)-adrenergic receptor establish a barcode that encodes differential functions of arrestin. *Science Signaling*, **2011**, 4, ra51	8.8	418
96	Quantifying ligand bias at seven-transmembrane receptors. *Molecular Pharmacology*, **2011**, 80, 367-77	4.3	281
95	arrestin deficiency protects against pulmonary fibrosis in mice and prevents fibroblast invasion of extracellular matrix. *Science Translational Medicine*, **2011**, 3, 74ra23	17.5	66
94	A tale of two callings. *Journal of Clinical Investigation*, **2011**, 121, 4201-3	15.9	2
93	Teaching old receptors new tricks: biasing seven-transmembrane receptors. *Nature Reviews Drug Discovery*, **2010**, 9, 373-86	64.1	644
92	Beta-arrestin- but not G protein-mediated signaling by the "decoy" receptor CXCR7. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 628-32	11.5	424
91	[beta]-arrestin 1 mediates angiotensin II induced ubiquitination and down-regulation of TRPV4. *FASEB Journal*, **2009**, 23, 944.3	0.9	
90	beta-arrestin-biased agonism at the beta2-adrenergic receptor. *Journal of Biological Chemistry*, **2008**, 283, 5669-76	5.4	208
89	Beta-arrestin-mediated signaling regulates protein synthesis. *Journal of Biological Chemistry*, **2008**, 283, 10611-20	5.4	76
88	Pharmacological characterization of membrane-expressed human trace amine-associated receptor 1 (TAAR1) by a bioluminescence resonance energy transfer cAMP biosensor. *Molecular Pharmacology*, **2008**, 74, 585-594	4.3	104
87	The annual ASCI meeting: does nostalgia have a future?. *Journal of Clinical Investigation*, **2008**, 118, 1231-3	15.9	2
86	Beta-arrestins and cell signaling. *Annual Review of Physiology*, **2007**, 69, 483-510	23.1	1135
85	The active conformation of beta-arrestin1: direct evidence for the phosphate sensor in the N-domain and conformational differences in the active states of beta-arrestins1 and -2. *Journal of Biological Chemistry*, **2007**, 282, 21370-81	5.4	99
84	A unique mechanism of beta-blocker action: carvedilol stimulates beta-arrestin signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 16657-62	11.5	466
83	Introduction to Special Section on Arrestins. *Annual Review of Physiology*, **2007**, 69,	23.1	25
82	Beta-arrestin-mediated beta1-adrenergic receptor transactivation of the EGFR confers cardioprotection. *Journal of Clinical Investigation*, **2007**, 117, 2445-58	15.9	344
81	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
80	beta-arrestin-dependent, G protein-independent ERK1/2 activation by the beta2 adrenergic receptor. *Journal of Biological Chemistry*, **2006**, 281, 1261-73	5.4	585

79	New roles for beta-arrestins in cell signaling: not just for seven-transmembrane receptors. *Molecular Cell*, **2006**, 24, 643-652	17.6	247
78	Conformational Changes in β-arrestin1: The Importance of β-arrestin1β N-domain. *FASEB Journal*, **2006**, 20, A114	0.9	
77	Transduction of receptor signals by beta-arrestins. *Science*, **2005**, 308, 512-7	33.3	1394
76	Summary of Wenner-Gren international symposium receptor-receptor interactions among heptaspanning membrane receptors: from structure to function. *Journal of Molecular Neuroscience*, **2005**, 26, 293-4	3.3	5
75	Historical Background and Introduction. *Methods and Principles in Medicinal Chemistry*, **2005**, 1-10	0.4	1
74	Functional antagonism of different G protein-coupled receptor kinases for beta-arrestin-mediated angiotensin II receptor signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 1442-7	11.5	282
73	Different G protein-coupled receptor kinases govern G protein and beta-arrestin-mediated signaling of V2 vasopressin receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 1448-53	11.5	268
72	Constitutive protease-activated receptor-2-mediated migration of MDA MB-231 breast cancer cells requires both beta-arrestin-1 and -2. *Journal of Biological Chemistry*, **2004**, 279, 55419-24	5.4	144
71	Differential kinetic and spatial patterns of beta-arrestin and G protein-mediated ERK activation by the angiotensin II receptor. *Journal of Biological Chemistry*, **2004**, 279, 35518-25	5.4	402
70	Stable interaction between beta-arrestin 2 and angiotensin type 1A receptor is required for beta-arrestin 2-mediated activation of extracellular signal-regulated kinases 1 and 2. *Journal of Biological Chemistry*, **2004**, 279, 48255-61	5.4	67
69	Activation-dependent conformational changes in {beta}-arrestin 2. *Journal of Biological Chemistry*, **2004**, 279, 55744-53	5.4	111
68	Reciprocal regulation of angiotensin receptor-activated extracellular signal-regulated kinases by beta-arrestins 1 and 2. *Journal of Biological Chemistry*, **2004**, 279, 7807-11	5.4	143
67	beta-arrestins: traffic cops of cell signaling. *Current Opinion in Cell Biology*, **2004**, 16, 162-8	9	250
66	Historical review: a brief history and personal retrospective of seven-transmembrane receptors. *Trends in Pharmacological Sciences*, **2004**, 25, 413-22	13.2	318
65	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
64	Desensitization, internalization, and signaling functions of beta-arrestins demonstrated by RNA interference. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 1740-4	11.5	193
63	Keeping G proteins at bay: a complex between G protein-coupled receptor kinase 2 and Gbetagamma. *Science*, **2003**, 300, 1256-62	33.3	327
62	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

61	Beta-arrestin-2 regulates the development of allergic asthma. *Journal of Clinical Investigation*, **2003**, 112, 566-74	15.9	86
60	Arrestin-2 regulates the development of allergic asthma. *Journal of Clinical Investigation*, **2003**, 112, 566-574	15.9	147
59	Seven-transmembrane-spanning receptors and heart function. *Nature*, **2002**, 415, 206-12	50.4	763
58	Seven-transmembrane receptors. *Nature Reviews Molecular Cell Biology*, **2002**, 3, 639-50	48.7	2032
57	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
56	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
55	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
54	Phosphorylation of beta-arrestin2 regulates its function in internalization of beta(2)-adrenergic receptors. *Biochemistry*, **2002**, 41, 10692-9	3.2	81
53	The role of arrestins in the termination and transduction of G-protein-coupled receptor signals. *Journal of Cell Science*, **2002**, 115, 455-465	5.3	788
52	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
51	Augmentation of cardiac contractility mediated by the human beta(3)-adrenergic receptor overexpressed in the hearts of transgenic mice. *Circulation*, **2001**, 104, 2485-91	16.7	71
50	Classical and new roles of beta-arrestins in the regulation of G-protein-coupled receptors. *Nature Reviews Neuroscience*, **2001**, 2, 727-33	13.5	371
49	Mu-opioid receptor desensitization by beta-arrestin-2 determines morphine tolerance but not dependence. *Nature*, **2000**, 408, 720-3	50.4	709
48	Intracoronary adenovirus-mediated delivery and overexpression of the beta(2)-adrenergic receptor in the heart : prospects for molecular ventricular assistance. *Circulation*, **2000**, 101, 408-14	16.7	122
47	alpha-Actinin is a potent regulator of G protein-coupled receptor kinase activity and substrate specificity in vitro. *FEBS Letters*, **2000**, 473, 280-4	3.8	38
46	Beta-arrestin 2: a receptor-regulated MAPK scaffold for the activation of JNK3. *Science*, **2000**, 290, 1574-7	33.3	675
45	Altered airway and cardiac responses in mice lacking G protein-coupled receptor kinase 3. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **1999**, 276, R1214-21	3.2	27
44	Enhanced morphine analgesia in mice lacking beta-arrestin 2. *Science*, **1999**, 286, 2495-8	33.3	815

43	Myocardial G protein-coupled receptor kinases: implications for heart failure therapy. *Proceedings of the Association of American Physicians*, **1999**, 111, 399-405		28
42	The beta2-adrenergic receptor interacts with the Na+/H+-exchanger regulatory factor to control Na+/H+ exchange. *Nature*, **1998**, 392, 626-30	50.4	532
41	Palmitoylation increases the kinase activity of the G protein-coupled receptor kinase, GRK6. *Biochemistry*, **1998**, 37, 16053-9	3.2	41
40	G protein-coupled receptor kinases. *Annual Review of Biochemistry*, **1998**, 67, 653-92	29.1	1074
39	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
38	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
37	Identification of the G protein-coupled receptor kinase phosphorylation sites in the human beta2-adrenergic receptor. *Journal of Biological Chemistry*, **1996**, 271, 13796-803	5.4	193
36	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
35	Physiological effects of inverse agonists in transgenic mice with myocardial overexpression of the beta 2-adrenoceptor. *Nature*, **1995**, 374, 272-6	50.4	401
34	Receptor-tyrosine-kinase- and G beta gamma-mediated MAP kinase activation by a common signalling pathway. *Nature*, **1995**, 376, 781-4	50.4	526
33	Protein kinases that phosphorylate activated G protein-coupled receptors. *FASEB Journal*, **1995**, 9, 175-82	2.9	460
32	Distinct pathways of Gi- and Gq-mediated mitogen-activated protein kinase activation. *Journal of Biological Chemistry*, **1995**, 270, 17148-53	5.4	357
31	A region of adenylyl cyclase 2 critical for regulation by G protein beta gamma subunits. *Science*, **1995**, 268, 1166-9	33.3	240
30	Activation of the cloned muscarinic potassium channel by G protein beta gamma subunits. *Nature*, **1994**, 370, 143-6	50.4	446
29	Identification, quantification, and localization of mRNA for three distinct alpha 1 adrenergic receptor subtypes in human prostate. *Journal of Urology*, **1993**, 150, 546-51	2.5	282
28	Isoprenylation in regulation of signal transduction by G-protein-coupled receptor kinases. *Nature*, **1992**, 359, 147-50	50.4	285
27	Mechanisms involved in adrenergic receptor desensitization. *Biochemical Society Transactions*, **1990**, 18, 541-4	5.1	26
26	Turning off the signal: desensitization of β-adrenergic receptor function. *FASEB Journal*, **1990**, 4, 2881-2889	8.9	1077

25	Response : Analysis of Ligand Binding Specificity of Receptor Chimeras. *Science*, **1989**, 243, 237-237	33.3	
24	Removal of phosphorylation sites from the beta 2-adrenergic receptor delays onset of agonist-promoted desensitization. *Nature*, **1988**, 333, 370-3	50.4	413
23	The genomic clone G-21 which resembles a beta-adrenergic receptor sequence encodes the 5-HT1A receptor. *Nature*, **1988**, 335, 358-60	50.4	583
22	Cloning of the cDNA and genes for the hamster and human beta 2-adrenergic receptors. *Journal of Receptors and Signal Transduction*, **1988**, 8, 7-21		13
21	Regulation of the beta 2-adrenergic receptor and its mRNA in the rat ventral prostate by testosterone. *FEBS Letters*, **1988**, 233, 173-6	3.8	38
20	Cross-talk between cellular signalling pathways suggested by phorbol-ester-induced adenylate cyclase phosphorylation. *Nature*, **1987**, 327, 67-70	50.4	502
19	An intronless gene encoding a potential member of the family of receptors coupled to guanine nucleotide regulatory proteins. *Nature*, **1987**, 329, 75-9	50.4	489
18	Cloning of the gene and cDNA for mammalian beta-adrenergic receptor and homology with rhodopsin. *Nature*, **1986**, 321, 75-9	50.4	1175
17	Light-dependent phosphorylation of rhodopsin by beta-adrenergic receptor kinase. *Nature*, **1986**, 321, 869-72	50.4	180
16	Identification of the subunit structure of rat pineal adrenergic receptors by photoaffinity labeling. *Journal of Neurochemistry*, **1986**, 46, 1153-60	6	12
15	Molecular mechanisms of receptor desensitization using the beta-adrenergic receptor-coupled adenylate cyclase system as a model. *Nature*, **1985**, 317, 124-9	50.4	701
14	A role for Ni in the hormonal stimulation of adenylate cyclase. *Nature*, **1985**, 318, 293-5	50.4	99
13	Effect of pertussis toxin on alpha 2-adrenoceptors: decreased formation of the high-affinity state for agonists. *FEBS Letters*, **1984**, 172, 95-8	3.8	18
12	Pure beta-adrenergic receptor: the single polypeptide confers catecholamine responsiveness to adenylate cyclase. *Nature*, **1983**, 306, 562-6	50.4	104
11	Molecular mechanisms of coupling in hormone receptor-adenylate cyclase systems. *Advances in Enzymology and Related Areas of Molecular Biology*, **1982**, 53, 1-43		16
10	Polymeric drugs by direct copolymerization: Polymer of □adrenergic antagonist alprenolol and its binding to receptors and antibodies. *Die Makromolekulare Chemie*, **1981**, 182, 1945-1950		6
9	Dihydroergocryptine binding and alpha-adrenoreceptors in smooth muscle. *Nature*, **1980**, 283, 109-10	50.4	6
8	Differential regulation of the alpha 2-adrenergic receptor by Na+ and guanine nucleotides. *Nature*, **1980**, 288, 709-11	50.4	117

7	Beta-adrenoreceptors determine affinity but not intrinsic activity of adenylate cyclase stimulants. *Nature*, **1979**, 280, 502-4	50.4	23
6	Chronic guanethidine treatment increases cardiac beta-adrenergic receptors. *Nature*, **1978**, 273, 240-2	50.4	84
5	Beta-adrenergic receptors: regulatory role of agonists. *Journal of Supramolecular Structure*, **1978**, 8, 501-10		7
4	Comparison of specificity of agonist and antagonist radioligand binding to beta adrenergic receptors. *Nature*, **1977**, 268, 453-4	50.4	17
3	Temperature immutability of adenyl cyclase-coupled beta adrenergic receptors. *Nature*, **1974**, 249, 258-60	50.4	30
2	ACTH-receptor interaction in the adrenal: a model for the initial step in the action of hormones that stimulate adenyl cyclase. *Annals of the New York Academy of Sciences*, **1971**, 185, 195-209	6.5	90
1	Costimulation of Adenylyl Cyclase and Phospholipase C by a Mutant□1B-Adrenergic Receptor Transgene Promotes Malignant Transformation of Thyroid Follicular Cells		6