Robert J Lefkowitz

List of Publications by Year
in descending order

146 papers	43,593 citations	3857 90 h-index	7703 152 g-index
163 all docs	163 docs citations	163 times ranked	23686 citing authors

#	Article	IF	Citations
1	Seven-transmembrane receptors. Nature Reviews Molecular Cell Biology, 2002, 3, 639-650.	37.3	2,391
2	Transduction of Receptor Signals by ÃŸ-Arrestins. Science, 2005, 308, 512-517.	20.9	1,586
3	Î²-Arrestins and Cell Signaling. Annual Review of Physiology, 2007, 69, 483-510.	13.2	1,298
4	Cloning of the gene and cDNA for mammalian Î²-adrenergic receptor and homology with rhodopsin. Nature, 1986, 321, 75-79.	36.2	1,291
5	G PROTEINâ€“COUPLED RECEPTOR KINASES. Annual Review of Biochemistry, 1998, 67, 653-692.	11.2	1,208
6	Switching of the coupling of the Î²2-adrenergic receptor to different G proteins by protein kinase A. Nature, 1997, 390, 88-91.	36.2	1,190
7	Enhanced Morphine Analgesia in Mice Lacking Î²-Arrestin 2. Science, 1999, 286, 2495-2498.	20.9	969
8	The role of Î²-arrestins in the termination and transduction of G-protein-coupled receptor signals. Journal of Cell Science, 2002, 115, 455-465.	2.1	946
9	Seven-transmembrane-spanning receptors and heart function. Nature, 2002, 415, 206-212.	36.2	878
10	Î¼-Opioid receptor desensitization by Î²-arrestin-2 determines morphine tolerance but not dependence. Nature, 2000, 408, 720-723.	36.2	844
11	beta -Arrestin 2: A Receptor-Regulated MAPK Scaffold for the Activation of JNK3. , 2000, 290, 1574-1577.		763
12	Molecular mechanisms of receptor desensitization using the Î²-adrenergic receptor-coupled adenylate cyclase system as a model. Nature, 1985, 317, 124-129.	36.2	759
13	Teaching old receptors new tricks: biasing seven-transmembrane receptors. Nature Reviews Drug Discovery, 2010, 9, 373-386.	61.5	733
14	Î²-Arrestin-dependent, G Protein-independent ERK1/2 Activation by the Î²2 Adrenergic Receptor. Journal of Biological Chemistry, 2006, 281, 1261-1273.	3.5	660
15	Î²-arrestin-mediated receptor trafficking and signal transduction. Trends in Pharmacological Sciences, 2011, 32, 521-533.	8.6	640
16	Independent Â-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, 10782-10787.	7.6	628
17	The genomic clone G-21 which resembles a Î²-adrenergic receptor sequence encodes the 5-HT1A receptor. Nature, 1988, 335, 358-360.	36.2	613
18	The Î²2-adrenergic receptor interacts with the Na+/H+-exchanger regulatory factor to control Na+/H+ exchange. Nature, 1998, 392, 626-630.	36.2	570

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19	Biased signalling: from simple switches to allosteric microprocessors. Nature Reviews Drug Discovery, 2018, 17, 243-260.	61.5	562
20	Distinct Phosphorylation Sites on the Î² ₂ -Adrenergic Receptor Establish a Barcode That Encodes Differential Functions of Î²-Arrestin. Science Signaling, 2011, 4, ra51.	5.1	560
21	Receptor-tyrosine-kinase- and GÎ²Î³-mediated MAP kinase activation by a common signalling pathway. Nature, 1995, 376, 781-784.	36.2	555
22	A unique mechanism of Î²-blocker action: Carvedilol stimulates Î²-arrestin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16657-16662.	7.6	555
23	Molecular Mechanism of Î²-Arrestin-Biased Agonism at Seven-Transmembrane Receptors. Annual Review of Pharmacology and Toxicology, 2012, 52, 179-197.	9.6	543
24	Cross-talk between cellular signalling pathways suggested by phorbol-ester-induced adenylate cyclase phosphorylation. Nature, 1987, 327, 67-70.	36.2	538
25	An intronless gene encoding a potential member of the family of receptors coupled to guanine nucleotide regulatory proteins. Nature, 1987, 329, 75-79.	36.2	515
26	Î²-arrestin- but not G protein-mediated signaling by the â€œdecoyâ€•receptor CXCR7. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 628-632.	7.6	511
27	Protein kinases that phosphorylate activated G proteinâ€coupled receptors. FASEB Journal, 1995, 9, 175-182.	0.5	496
28	Role of c-Src Tyrosine Kinase in G Protein-coupled Receptorand GÎ²Î³ Subunit-mediated Activation of Mitogen-activated Protein Kinases. Journal of Biological Chemistry, 1996, 271, 19443-19450.	3.5	489
29	Activation of the cloned muscarinic potassium channel by G protein Î²Î³ subunits. Nature, 1994, 370, 143-146.	36.2	485
30	Therapeutic potential of Î²-arrestin- and G protein-biased agonists. Trends in Molecular Medicine, 2011, 17, 126-139.	7.1	475
31	GPCR-G Protein-Î²-Arrestin Super-Complex Mediates Sustained G Protein Signaling. Cell, 2016, 166, 907-919.	27.8	468
32	Differential Kinetic and Spatial Patterns of Î²-Arrestin and G Protein-mediated ERK Activation by the Angiotensin II Receptor. Journal of Biological Chemistry, 2004, 279, 35518-35525.	3.5	463
33	Visualization of arrestin recruitment by a G-protein-coupled receptor. Nature, 2014, 512, 218-222.	36.2	447
34	Removal of phosphorylation sites from the Î²2-adrenergic receptor delays onset of agonist-promoted desensitization. Nature, 1988, 333, 370-373.	36.2	439
35	Physiological effects of inverse agonists in transgenic mice with myocardial overexpression of the Î²2-adrenoceptor. Nature, 1995, 374, 272-276.	36.2	433
36	Distinct Î²-Arrestin- and G Protein-dependent Pathways for Parathyroid Hormone Receptor-stimulated ERK1/2 Activation. Journal of Biological Chemistry, 2006, 281, 10856-10864.	3.5	429

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37	GÎ²Î³ Subunits Mediate Src-dependent Phosphorylation of the Epidermal Growth Factor Receptor. Journal of Biological Chemistry, 1997, 272, 4637-4644.	3.5	424
38	Classical and new roles of Î²-arrestins in the regulation of G-PROTEIN-COUPLED receptors. Nature Reviews Neuroscience, 2001, 2, 727-733.	10.7	418
39	Structure of active Î²-arrestin-1 bound to a G-protein-coupled receptor phosphopeptide. Nature, 2013, 497, 137-141.	36.2	411
40	Î²-Arrestinâ€"mediated Î²1-adrenergic receptor transactivation of the EGFR confers cardioprotection. Journal of Clinical Investigation, 2007, 117, 2445-2458.	8.2	408
41	Distinct Pathways of Gi- and Gq-mediated Mitogen-activated Protein Kinase Activation. Journal of Biological Chemistry, 1995, 270, 17148-17153.	3.5	399
42	Emerging paradigms of Î²-arrestin-dependent seven transmembrane receptor signaling. Trends in Biochemical Sciences, 2011, 36, 457-469.	7.5	386
43	Historical review: A brief history and personal retrospective of seven-transmembrane receptors. Trends in Pharmacological Sciences, 2004, 25, 413-422.	8.6	369
44	A stress response pathway regulates DNA damage through Î²2-adrenoreceptors and Î²-arrestin-1. Nature, 2011, 477, 349-353.	36.2	369
45	Quantifying Ligand Bias at Seven-Transmembrane Receptors. Molecular Pharmacology, 2011, 80, 367-377.	2.3	356
46	Î²-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, 9429-9436.	3.5	348
47	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.	7.6	326
48	The Stability of the G Protein-coupled Receptor-Î²-Arrestin Interaction Determines the Mechanism and Functional Consequence of ERK Activation. Journal of Biological Chemistry, 2003, 278, 6258-6267.	3.5	321
49	Isoprenylation in regulation of signal transduction by G-protein-coupled receptor kinases. Nature, 1992, 359, 147-150.	36.2	310
50	Identification, Quantification, and Localization of mRNA for Three Distinct Alpha₁Adrenergic Receptor Subtypes in Human Prostate. Journal of Urology, 1993, 150, 546-551.	3.8	310
51	Allosteric nanobodies reveal the dynamic range and diverse mechanisms of G-protein-coupled receptor activation. Nature, 2016, 535, 448-452.	36.2	306
52	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.	7.6	305
53	Distinct conformations of GPCRâ€"Î²-arrestin complexes mediate desensitization, signaling, and endocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2562-2567.	7.6	304
54	New Roles for Î²-Arrestins in Cell Signaling: Not Just for Seven-Transmembrane Receptors. Molecular Cell, 2006, 24, 643-652.	9.6	280

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55	Î²-arrestins: traffic cops of cell signaling. Current Opinion in Cell Biology, 2004, 16, 162-168.	5.6	271
56	Structure of the M2 muscarinic receptorâ€“Î²-arrestin complex in a lipid nanodisc. Nature, 2020, 579, 297-302.	36.2	256
57	Recent developments in biased agonism. Current Opinion in Cell Biology, 2014, 27, 18-24.	5.6	252
58	A Brief History of Gâ€Protein Coupled Receptors (Nobel Lecture). Angewandte Chemie - International Edition, 2013, 52, 6366-6378.	14.8	232
59	Î²-Arrestin-biased Agonism at the Î²2-Adrenergic Receptor. Journal of Biological Chemistry, 2008, 283, 5669-5676.	3.5	226
60	Desensitization, internalization, and signaling functions of Â-arrestins demonstrated by RNA interference. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1740-1744.	7.6	216
61	Angiotensin Analogs with Divergent Bias Stabilize Distinct Receptor Conformations. Cell, 2019, 176, 468-478.e11.	27.8	212
62	Identification of the G Protein-coupled Receptor Kinase Phosphorylation Sites in the Human Î²2-Adrenergic Receptor. Journal of Biological Chemistry, 1996, 271, 13796-13803.	3.5	210
63	Light-dependent phosphorylation of rhodopsin by Î²-adrenergic receptor kinase. Nature, 1986, 321, 869-872.	36.2	208
64	Manifold roles of Î²-arrestins in GPCR signaling elucidated with siRNA and CRISPR/Cas9. Science Signaling, 2018, 11, .	5.1	181
65	Protein Kinase A-mediated Phosphorylation of the Î²2-Adrenergic Receptor Regulates Its Coupling to Gs and Gi. Journal of Biological Chemistry, 2002, 277, 31249-31256.	3.5	179
66	Molecular mechanism of biased signaling in a prototypical G proteinâ€“coupled receptor. Science, 2020, 367, 881-887.	20.9	176
67	Î²-Arrestin-2 regulates the development of allergic asthma. Journal of Clinical Investigation, 2003, 112, 566-574.	8.2	167
68	Mechanism of intracellular allosteric Î²2AR antagonist revealed by X-ray crystal structure. Nature, 2017, 548, 480-484.	36.2	166
69	Conformational Basis of G Protein-Coupled Receptor Signaling Versatility. Trends in Cell Biology, 2020, 30, 736-747.	8.1	163
70	Dancing with Different Partners: Protein Kinase A Phosphorylation of Seven Membrane-Spanning Receptors Regulates Their G Protein-Coupling Specificity. Molecular Pharmacology, 2002, 62, 971-974.	2.3	162
71	Reciprocal Regulation of Angiotensin Receptor-activated Extracellular Signal-regulated Kinases by Î²-Arrestins 1 and 2. Journal of Biological Chemistry, 2004, 279, 7807-7811.	3.5	159
72	Constitutive Protease-activated Receptor-2-mediated Migration of MDA MB-231 Breast Cancer Cells Requires Both Î²-Arrestin-1 and -2. Journal of Biological Chemistry, 2004, 279, 55419-55424.	3.5	157

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73	Structure of an endosomal signaling GPCRâ€“G proteinâ€“Î²-arrestin megacomplex. Nature Structural and Molecular Biology, 2019, 26, 1123-1131.	8.1	156
74	Distinctive Activation Mechanism for Angiotensin Receptor Revealed by a Synthetic Nanobody. Cell, 2019, 176, 479-490.e12.	27.8	148
75	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.	2.3	137
76	Activation-dependent Conformational Changes in Î²-Arrestin 2. Journal of Biological Chemistry, 2004, 279, 55744-55753.	3.5	136
77	Allosteric â€œbeta-blockerâ€•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.	7.6	126
78	Regulation of<i>Î²</i>₂-Adrenergic Receptor Function by Conformationally Selective Single-Domain Intrabodies. Molecular Pharmacology, 2014, 85, 472-481.	2.3	125
79	Differential regulation of the Î±2-adrenergic receptor by Na+ and guanine nucleotides. Nature, 1980, 288, 709-711.	36.2	123
80	The Active Conformation of Î²-Arrestin1. Journal of Biological Chemistry, 2007, 282, 21370-21381.	3.5	123
81	Pure Î²-adrenergic receptor: the single polypeptide confers catecholamine responsiveness to adenylate cyclase. Nature, 1983, 306, 562-566.	36.2	117
82	Divergent Transducer-specific Molecular Efficacies Generate Biased Agonism at a G Protein-coupled Receptor (GPCR). Journal of Biological Chemistry, 2014, 289, 14211-14224.	3.5	112
83	A role for Ni in the hormonal stimulation of adenylate cyclase. Nature, 1985, 318, 293-295.	36.2	107
84	Turned on to ill effect. Nature, 1993, 365, 603-604.	36.2	101
85	Î²-Arrestin-2 regulates the development of allergic asthma. Journal of Clinical Investigation, 2003, 112, 566-574.	8.2	100
86	Chronic guanethidine treatment increases cardiac Î²-adrenergic receptors. Nature, 1978, 273, 240-242.	36.2	89
87	Phosphorylation of Î²-Arrestin2 Regulates Its Function in Internalization of Î²2-Adrenergic Receptors. Biochemistry, 2002, 41, 10692-10699.	2.6	87
88	Î²-Arrestin-mediated Signaling Regulates Protein Synthesis. Journal of Biological Chemistry, 2008, 283, 10611-10620.	3.5	84
89	Î²-Arrestin Deficiency Protects Against Pulmonary Fibrosis in Mice and Prevents Fibroblast Invasion of Extracellular Matrix. Science Translational Medicine, 2011, 3, 74ra23.	13.4	83
90	Stable Interaction between Î²-Arrestin 2 and Angiotensin Type 1A Receptor Is Required for Î²-Arrestin 2-mediated Activation of Extracellular Signal-regulated Kinases 1 and 2. Journal of Biological Chemistry, 2004, 279, 48255-48261.	3.5	78

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91	Small-Molecule Positive Allosteric Modulators of the<i>Î²</i>₂-Adrenoceptor Isolated from DNA-Encoded Libraries. Molecular Pharmacology, 2018, 94, 850-861.	2.3	71
92	Conformationally selective RNA aptamers allosterically modulate the Î²2-adrenoceptor. Nature Chemical Biology, 2016, 12, 709-716.	8.0	70
93	Discovery of Î²2 Adrenergic Receptor Ligands Using Biosensor Fragment Screening of Tagged Wild-Type Receptor. ACS Medicinal Chemistry Letters, 2013, 4, 1005-1010.	3.1	66
94	GPCR-mediated Î²-arrestin activation deconvoluted with single-molecule precision. Cell, 2022, 185, 1661-1675.e16.	27.8	64
95	Î²-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.	6.3	61
96	Sortase ligation enables homogeneous GPCR phosphorylation to reveal diversity in Î²-arrestin coupling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3834-3839.	7.6	61
97	Allosteric Modulation of Î²-Arrestin-biased Angiotensin II Type 1 Receptor Signaling by Membrane Stretch. Journal of Biological Chemistry, 2014, 289, 28271-28283.	3.5	57
98	G proteinâ€"coupled receptor kinases (GRKs) orchestrate biased agonism at the Î² ₂ -adrenergic receptor. Science Signaling, 2018, 11, .	5.1	52
99	Arrestins Come of Age. Progress in Molecular Biology and Translational Science, 2013, 118, 3-18.	1.8	51
100	Palmitoylation Increases the Kinase Activity of the G Protein-Coupled Receptor Kinase, GRK6â€. Biochemistry, 1998, 37, 16053-16059.	2.6	48
101	Introduction to Special Section on Î²-Arrestins. Annual Review of Physiology, 2007, 69, .	13.2	43
102	Î²-arrestin 1 regulates Î²2-adrenergic receptor-mediated skeletal muscle hypertrophy and contractility. Skeletal Muscle, 2018, 8, 39.	4.4	41
103	Detergent- and phospholipid-based reconstitution systems have differential effects on constitutive activity of G-proteinâ€"coupled receptors. Journal of Biological Chemistry, 2019, 294, 13218-13223.	3.5	41
104	Synthetic nanobodies as angiotensin receptor blockers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20284-20291.	7.6	38
105	Molecular Mechanisms of Coupling in Hormone Receptor-Adenylate Cyclase Systems. Advances in Enzymology and Related Areas of Molecular Biology, 2006, 53, 1-43.	0.0	37
106	Myocardial G Proteinâ€Coupled Receptor Kinases: Implications for Heart Failure Therapy. Proceedings of the Association of American Physicians, 1999, 111, 399-405.	2.3	35
107	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-R1221.	1.9	34
108	Temperature immutability of adenyl cyclase-coupled Î² adrenergic recptors. Nature, 1974, 249, 258-260.	36.2	31

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109	Mechanisms involved in adrenergic receptor desensitization. Biochemical Society Transactions, 1990, 18, 541-544.	3.4	31
110	Allosteric activation of proto-oncogene kinase Src by GPCRâ€“beta-arrestin complexes. Journal of Biological Chemistry, 2020, 295, 16773-16784.	3.5	28
111	<i>Î²</i>-Arrestinâ€“Biased Allosteric Modulator Potentiates Carvedilol-Stimulated <i>Î²</i> Adrenergic Receptor Cardioprotection. Molecular Pharmacology, 2021, 100, 568-579.	2.3	27
112	Î²-Adrenoreceptors determine affinity but not intrinsic activity of adenylate cyclase stimulants. Nature, 1979, 280, 502-504.	36.2	25
113	The Î²-arrestin-biased Î²-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.	7.6	25
114	Receptor regulation: Î²-arrestin moves up a notch. Nature Cell Biology, 2005, 7, 1159-1161.	10.0	22
115	Î²-Arrestinâ€“Biased Angiotensin II Receptor Agonists for COVID-19. Circulation, 2020, 142, 318-320.	9.3	21
116	GPCR signaling: conformational activation of arrestins. Cell Research, 2018, 28, 783-784.	12.2	20
117	The role of Î²-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-H1527.	3.4	19
118	Unique Positive Cooperativity Between the <i>Î²</i>-Arrestinâ€“Biased <i>Î²</i>-Blocker Carvedilol and a Small Molecule Positive Allosteric Modulator of the <i>Î²</i>2-Adrenergic Receptor. Molecular Pharmacology, 2021, 100, 513-525.	2.3	19
119	Comparison of specificity of agonist and antagonist radioligand binding to Î² adrenergic receptors. Nature, 1977, 268, 453-454.	36.2	17
120	Cloning of the cDNA and Genes for the Hamster and Human Î²2-Adrenergic Receptors. Journal of Receptors and Signal Transduction, 1988, 8, 7-21.	1.0	13
121	The GPCRâ€“Î²-arrestin complex allosterically activates C-Raf by binding its amino terminus. Journal of Biological Chemistry, 2021, 297, 101369.	3.5	13
122	Translating science to medicine: The case for physician-scientists. Science Translational Medicine, 2022, 14, eabg7852.	13.4	13
123	Identification of the Subunit Structure of Rat Pineal Adrenergic Receptors by Photoaffinity Labeling. Journal of Neurochemistry, 1986, 46, 1153-1160.	4.0	12
124	Loss of biased signaling at a G protein-coupled receptor in overexpressed systems. PLoS ONE, 2023, 18, e0283477.	2.5	10
125	Eine kurze Geschichte der Gâ€Proteinâ€gekoppelten Rezeptoren (Nobelâ€Aufsatz). Angewandte Chemie, 2013, 125, 6494-6507.	2.1	9
126	Signal transduction at GPCRs: Allosteric activation of the ERK MAPK by Î²-arrestin. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.6	9

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127	Beta-adrenergic receptors: Regulatory role of agonists. Journal of Supramolecular Structure, 1978, 8, 501-510.	2.1	7
128	Title is missing!. Die Makromolekulare Chemie, 1981, 182, 1945-1950.	1.1	7
129	Dihydroergocryptine binding and Î±-adrenoreceptors in smooth muscle. Nature, 1980, 283, 109-110.	36.2	6
130	Summary of Wenner-Gren International Symposium Receptor-Receptor Interactions Among Heptaspanning Membrane Receptors: From Structure to Function. Journal of Molecular Neuroscience, 2005, 26, 293-294.	2.4	6
131	Costimulation of Adenylyl Cyclase and Phospholipase C by a Mutant Â1B-Adrenergic Receptor Transgene Promotes Malignant Transformation of Thyroid Follicular Cells. Endocrinology, 1997, 138, 369-378.	2.8	6
132	Î²-Arrestin2 mediates progression of murine primary myelofibrosis. JCI Insight, 2017, 2, .	5.0	5
133	A Serendipitous Scientist. Annual Review of Pharmacology and Toxicology, 2018, 58, 17-32.	9.6	4
134	Molecular Mechanism of Biased Signaling in a Prototypical G-protein-coupled Receptor. Biophysical Journal, 2020, 118, 162a.	0.5	4
135	A tale of two callings. Journal of Clinical Investigation, 2011, 121, 4201-4203.	8.2	3
136	How carvedilol does not activate Î²2-adrenoceptors. Nature Communications, 2023, 14, .	13.2	3
137	Historical Background and Introduction. Methods and Principles in Medicinal Chemistry, 2005, , 1-10.	0.0	2
138	The annual ASCI meeting: does nostalgia have a future?. Journal of Clinical Investigation, 2008, 118, 1231-1233.	8.2	2
139	G Protein-Coupled Receptors: A Century of Research and Discovery. Circulation Research, 2024, 135, 174-197.	10.7	2
140	Marc G. Caron (1946â€"2022). Nature Neuroscience, 0, , .	14.5	1
141	Conformational Changes in Î²â€arrestin1: The Importance of Î²â€arrestin1â€™s Nâ€domain. FASEB Journal, 2006, 20, A114.	0.5	0
142	[beta]â€arrestin 1 mediates angiotensin II induced ubiquitination and downâ€regulation of TRPV4. FASEB Journal, 2009, 23, 944.3.	0.5	0
143	Crystal structure of active Betaâ€arrestin1 bound to phosphorylated carboxyâ€terminus of a G proteinâ€coupled receptor. FASEB Journal, 2013, 27, lb549.	0.5	0
144	Targeting Î²-arrestin2 Enhances Survival in a Murine Model of Chronic Myeloid Leukemia. Blood, 2013, 122, 857-857.	1.4	0

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145	<i>Response</i> : Analysis of Ligand Binding Specificity of Receptor Chimeras. Science, 1989, 243, 237-237.	20.9	0
146	Î²-arrestin2 Is Necessary for Development of MPLW515L Mutant Primary Myelofibrosis. Blood, 2015, 126, 486-486.	1.4	0