

# Stephen B Liggett

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2455972/publications.pdf>

Version: 2024-02-01

186  
papers

15,155  
citations

20036

63  
h-index

21843

118  
g-index

190  
all docs

190  
docs citations

190  
times ranked

11914  
citing authors

#	ARTICLE	IF	CITATIONS
1	Î²-arrestin1 promotes tauopathy by transducing GPCR signaling, disrupting microtubules and autophagy. <i>Life Science Alliance</i> , 2022, 5, e202101183.	1.3	9
2	Biased Î²-Agonists Favoring Gs over Î²-Arrestin for Individualized Treatment of Obstructive Lung Disease. <i>Journal of Personalized Medicine</i> , 2022, 12, 331.	1.1	6
3	Î± <sub>1B/D</sub> -adrenoceptors regulate chemokine receptor-mediated leukocyte migration via formation of heteromeric receptor complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2123511119.	3.3	5
4	Selective Signal Capture from Multidimensional GPCR Outputs with Biased Agonists: Progress Towards Novel Drug Development. <i>Molecular Diagnosis and Therapy</i> , 2022, 26, 383-396.	1.6	2
5	Structures and Agonist Binding Sites of Bitter Taste Receptor TAS2R5 Complexed with Gi Protein and Validated against Experiment. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9293-9300.	2.1	5
6	The short third intracellular loop and cytoplasmic tail of bitter taste receptors provide functionally relevant GRK phosphorylation sites in TAS2R14. <i>Journal of Biological Chemistry</i> , 2021, 296, 100216.	1.6	2
7	Identification and characterization of an atypical GÎ±s-biased Î² <sub>2</sub> AR agonist that fails to evoke airway smooth muscle cell tachyphylaxis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	12
8	Rhinovirus C15 Induces Airway Hyperresponsiveness via Calcium Mobilization in Airway Smooth Muscle. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 62, 310-318.	1.4	14
9	Identification and Characterization of Novel Bronchodilator Agonists Acting at Human Airway Smooth Muscle Cell TAS2R5. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 1069-1075.	2.5	5
10	The odorant receptor OR2W3 on airway smooth muscle evokes bronchodilation via a cooperative chemosensory tradeoff between TMEM16A and CFTR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28485-28495.	3.3	11
11	Î²-Arrestin2 oligomers impair the clearance of pathological tau and increase tau aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5006-5015.	3.3	34
12	Differential long-term regulation of TAS2R14 by structurally distinct agonists. <i>FASEB Journal</i> , 2019, 33, 12213-12225.	0.2	10
13	Development of a Rhinovirus Inoculum Using a Reverse Genetics Approach. <i>Journal of Infectious Diseases</i> , 2019, 220, 187-194.	1.9	6
14	A microphysiological model of the bronchial airways reveals the interplay of mechanical and biochemical signals in bronchospasm. <i>Nature Biomedical Engineering</i> , 2019, 3, 532-544.	11.6	25
15	Activated cofilin exacerbates tau pathology by impairing tau-mediated microtubule dynamics. <i>Communications Biology</i> , 2019, 2, 112.	2.0	39
16	Biased TAS2R Bronchodilators Inhibit Airway Smooth Muscle Growth by Downregulating Phosphorylated Extracellular Signal-regulated Kinase 1/2. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 532-540.	1.4	24
17	Pepducins as a potential treatment strategy for asthma and COPD. <i>Current Opinion in Pharmacology</i> , 2018, 40, 120-125.	1.7	13
18	Genetic Vulnerability of GPCRs: A Call to Action. <i>Trends in Biochemical Sciences</i> , 2018, 43, 227-229.	3.7	3

#	ARTICLE	IF	CITATIONS
19	Taste and smell GPCRs in the lung: Evidence for a previously unrecognized widespread chemosensory system. <i>Cellular Signalling</i> , 2018, 41, 82-88.	1.7	67
20	Preface to Special Issue on "Cytochrome P450 Variation in Pharmacogenomics". <i>Journal of Personalized Medicine</i> , 2018, 8, 23.	1.1	0
21	Dose Response of $\beta$ -Blockers in Adrenergic Receptor Polymorphism Genotypes. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e002210.	1.6	8
22	A Genome-Wide Association Study of Idiopathic Dilated Cardiomyopathy in African Americans. <i>Journal of Personalized Medicine</i> , 2018, 8, 11.	1.1	38
23	A CREB-mediated increase in miRNA-207 during prolonged $\beta$ -agonist exposure: a novel mechanism of $\beta$ -adrenergic receptor down-regulation in airway smooth muscle. <i>FASEB Journal</i> , 2018, 32, 3680-3688.	0.2	13
24	Coupling of Airway Smooth Muscle Bitter Taste Receptors to Intracellular Signaling and Relaxation Is via $G_{\alpha 1,2,3}$ . <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 762-771.	1.4	54
25	Defining an olfactory receptor function in airway smooth muscle cells. <i>Scientific Reports</i> , 2016, 6, 38231.	1.6	83
26	Inhibition of PI3K promotes dilation of human small airways in a rho kinase-dependent manner. <i>British Journal of Pharmacology</i> , 2016, 173, 2726-2738.	2.7	34
27	$\beta$ -Adrenergic Receptors Chaperone Trapped Bitter Taste Receptor 14 to the Cell Surface as a Heterodimer and Exert Unidirectional Desensitization of Taste Receptor Function. <i>Journal of Biological Chemistry</i> , 2016, 291, 17616-17628.	1.6	24
28	An inflammation-independent contraction mechanophenotype of airway smooth muscle in asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 294-297.e4.	1.5	52
29	Future Translational Applications From the Contemporary Genomics Era. <i>Circulation</i> , 2015, 131, 1715-1736.	1.6	38
30	Polymorphisms in human heat shock factor-1 and analysis of potential biological consequences. <i>Cell Stress and Chaperones</i> , 2015, 20, 47-59.	1.2	4
31	Pleiotropic Effects of Bitter Taste Receptors on $[Ca^{2+}]_i$ Mobilization, Hyperpolarization, and Relaxation of Human Airway Smooth Muscle Cells. <i>PLoS ONE</i> , 2015, 10, e0131582.	1.1	40
32	Targeted transgenesis identifies $G_{\alpha s}$ as the bottleneck in $\beta$ -adrenergic receptor cell signaling and physiological function in airway smooth muscle. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L775-L780.	1.3	6
33	Genome Sequences of Rhinovirus A Isolates from Wisconsin Pediatric Respiratory Studies. <i>Genome Announcements</i> , 2014, 2, .	0.8	3
34	Genome Sequences of Rhinovirus C Isolates from Wisconsin Pediatric Respiratory Studies. <i>Genome Announcements</i> , 2014, 2, .	0.8	4
35	Race, Common Genetic Variation, and Therapeutic Response Disparities in Heart Failure. <i>JACC: Heart Failure</i> , 2014, 2, 561-572.	1.9	33
36	Bitter Taste Receptor Function in Asthmatic and Nonasthmatic Human Airway Smooth Muscle Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 50, 678-683.	1.4	71

#	ARTICLE	IF	CITATIONS
37	Genome Sequences of Rhinovirus B Isolates from Wisconsin Pediatric Respiratory Studies. <i>Genome Announcements</i> , 2014, 2, .	0.8	1
38	Regulation of Intracellular Calcium by Bitter Taste Receptors on Airway Smooth Muscle. , 2014, , 409-421.		0
39	Bitter taste receptors in the wrong place: novel airway smooth muscle targets for treating asthma. <i>Transactions of the American Clinical and Climatological Association</i> , 2014, 125, 64-74; discussion 74-5.	0.9	16
40	Prevention of Atrial Fibrillation by Bucindolol Is Dependent on the Beta 1 389 Arg/Gly Adrenergic Receptor Polymorphism. <i>JACC: Heart Failure</i> , 2013, 1, 338-344.	1.9	43
41	Bitter taste receptors on airway smooth muscle as targets for novel bronchodilators. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 721-731.	1.5	38
42	Adrenergic Receptor Polymorphisms and Prevention of Ventricular Arrhythmias With Bucindolol in Patients With Chronic Heart Failure. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 137-143.	2.1	31
43	TAS2R activation promotes airway smooth muscle relaxation despite $\beta_2$ -adrenergic receptor tachyphylaxis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 303, L304-L311.	1.3	76
44	G protein receptor kinase 4 polymorphisms. <i>Hypertension</i> , 2012, 60, 957-964.	1.3	65
45	Reply to: Activation of BK channels may not be required for bitter tastant-induced bronchodilation. <i>Nature Medicine</i> , 2012, 18, 650-651.	15.2	29
46	Extraoral bitter taste receptors as mediators of off-target drug effects. <i>FASEB Journal</i> , 2012, 26, 4827-4831.	0.2	123
47	Adrenergic Receptor Polymorphisms in Heart Failure. , 2012, , 661-672.		0
48	Combinatorial Pharmacogenetic Interactions of Bucindolol and $\beta_1$ , $\beta_2$ Adrenergic Receptor Polymorphisms. <i>PLoS ONE</i> , 2012, 7, e44324.	1.1	55
49	Molecular modeling, organ culture and reverse genetics for a newly identified human rhinovirus C. <i>Nature Medicine</i> , 2011, 17, 627-632.	15.2	177
50	Temporal analysis of mRNA and miRNA expression in transgenic mice overexpressing Arg- and Gly389 polymorphic variants of the $\beta_1$ -adrenergic receptor. <i>Physiological Genomics</i> , 2011, 43, 1294-1306.	1.0	17
51	Hypertrophy-Associated Polymorphisms Ascertained in a Founder Cohort Applied to Heart Failure Risk and Mortality. <i>Clinical and Translational Science</i> , 2011, 4, 17-23.	1.5	35
52	Regulatory Haplotypes in ARG1 Are Associated with Altered Bronchodilator Response. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 449-454.	2.5	56
53	Agonist-Promoted Homologous Desensitization of Human Airway Smooth Muscle Bitter Taste Receptors. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 1069-1074.	1.4	49
54	Phosphorylation Barcoding as a Mechanism of Directing GPCR Signaling. <i>Science Signaling</i> , 2011, 4, pe36.	1.6	118

#	ARTICLE	IF	CITATIONS
55	MicroRNA <i>let-7<i>i</i></i> establishes expression of $\beta_2$ -adrenergic receptors and dynamically down-regulates agonist-promoted down-regulation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6246-6251.	3.3	41
56	Bronchodilator activity of bitter tastants in human tissue. Nature Medicine, 2011, 17, 776-778.	15.2	40
57	Paradoxical attenuation of $\beta_2$ -AR function in airway smooth muscle by G $\alpha_i$ -mediated counterregulation in transgenic mice overexpressing type 5 adenylyl cyclase. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L472-L478.	1.3	10
58	Genetic Variation, $\beta_2$ -blockers, and Perioperative Myocardial Infarction. Anesthesiology, 2011, 115, 1316-1327.	1.3	32
59	$\beta_2$ -Agonist Induced cAMP Is Decreased in Asthmatic Airway Smooth Muscle Due to Increased PDE4D. PLoS ONE, 2011, 6, e20000.	1.1	81
60	Polymorphisms of heat shock factor $\alpha_1$ : Genetic diversity in an evolutionarily conserved, multifunctional regulator gene. FASEB Journal, 2011, 25, lb35.	0.2	0
61	Full-genome sequence and analysis of a novel human rhinovirus strain within a divergent HRV-A clade. Archives of Virology, 2010, 155, 83-87.	0.9	16
62	Striated muscle tropomyosin isoforms differentially regulate cardiac performance and myofilament calcium sensitivity. Journal of Muscle Research and Cell Motility, 2010, 31, 227-239.	0.9	25
63	Bitter taste receptors on airway smooth muscle bronchodilate by localized calcium signaling and reverse obstruction. Nature Medicine, 2010, 16, 1299-1304.	15.2	549
64	Common ADRB2 Haplotypes Derived from 26 Polymorphic Sites Direct $\beta_2$ -Adrenergic Receptor Expression and Regulation Phenotypes. PLoS ONE, 2010, 5, e11819.	1.1	40
65	Molecular and Functional Characterization of a Novel Cardiac-Specific Human Tropomyosin Isoform. Circulation, 2010, 121, 410-418.	1.6	89
66	An $\beta_2$ -Adrenergic Receptor Polymorphism Alters the Norepinephrine-Lowering Effects and Therapeutic Response of the $\beta_2$ -Blocker Bucindolol in Chronic Heart Failure. Circulation: Heart Failure, 2010, 3, 21-28.	1.6	103
67	Pharmacogenomics of $\beta_1$ -Adrenergic Receptor Polymorphisms in Heart Failure. Heart Failure Clinics, 2010, 6, 27-33.	1.0	23
68	Analysis of the complete genome sequences of human rhinovirus. Journal of Allergy and Clinical Immunology, 2010, 125, 1190-1199.	1.5	93
69	Sequencing and Analyses of All Known Human Rhinovirus Genomes Reveal Structure and Evolution. Science, 2009, 324, 55-59.	6.0	416
70	Targeted transgenesis reveals discrete attenuator functions of GRK and PKA in airway $\beta_2$ -adrenergic receptor physiologic signaling. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15007-15012.	3.3	32
71	$\beta_2$ -Adrenergic Receptors in the Genetics, Pathogenesis, and Treatment of Type 2 Diabetes. Science Translational Medicine, 2009, 1, 12ps15.	5.8	23
72	An internal domain of $\beta$ -tropomyosin increases myofilament $Ca^{2+}$ sensitivity. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H181-H190.	1.5	11

#	ARTICLE	IF	CITATIONS
73	Mechanisms of Pharmacogenomic Effects of Genetic Variation within the Cardiac Adrenergic Network in Heart Failure. <i>Molecular Pharmacology</i> , 2009, 76, 466-480.	1.0	51
74	Multiple interactions between the alpha2C- and beta1-adrenergic receptors influence heart failure survival. <i>BMC Medical Genetics</i> , 2008, 9, 93.	2.1	16
75	A GRK5 polymorphism that inhibits $\beta$ -adrenergic receptor signaling is protective in heart failure. <i>Nature Medicine</i> , 2008, 14, 510-517.	15.2	297
76	Pharmacogenomics of $\beta$ -Adrenergic Receptors and Their Accessory Signaling Proteins in Heart Failure. <i>Clinical and Translational Science</i> , 2008, 1, 255-262.	1.5	17
77	Bitransgenesis with $\beta$ <sub>2</sub> -Adrenergic Receptors or Adenylyl Cyclase Fails to Improve $\beta$ <sub>1</sub> -Adrenergic Receptor Cardiomyopathy. <i>Clinical and Translational Science</i> , 2008, 1, 221-227.	1.5	7
78	Lack of Association Between Adrenergic Receptor Genotypes and Survival in Heart Failure Patients Treated With Carvedilol or Metoprolol. <i>Journal of the American College of Cardiology</i> , 2008, 52, 644-651.	1.2	124
79	Genetic Variation Within the $\beta$ <sub>1</sub> -Adrenergic Receptor Gene Results in Haplotype-Specific Expression Phenotypes. <i>Journal of Cardiovascular Pharmacology</i> , 2008, 51, 106-110.	0.8	17
80	Alternative splicing of the G protein-coupled receptor superfamily in human airway smooth muscle diversifies the complement of receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5230-5235.	3.3	70
81	Differential coupling of Arg- and Gly389 polymorphic forms of the $\beta$ <sub>1</sub> -adrenergic receptor leads to pathogenic cardiac gene regulatory programs. <i>Physiological Genomics</i> , 2008, 35, 123-131.	1.0	11
82	A polymorphism of G-protein coupled receptor kinase5 alters agonist-promoted desensitization of $\beta$ <sub>2</sub> -adrenergic receptors. <i>Pharmacogenetics and Genomics</i> , 2008, 18, 729-732.	0.7	46
83	Variable-length poly-C tract polymorphisms of the $\beta$ <sub>2</sub> -adrenergic receptor 3'UTR alter expression and agonist regulation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 294, L190-L195.	1.3	20
84	<i>ARG1</i> Is a Novel Bronchodilator Response Gene. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 688-694.	2.5	121
85	Heterogeneity of transcription factor expression and regulation in human airway epithelial and smooth muscle cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 293, L453-L462.	1.3	11
86	Rescue of tropomyosin-induced familial hypertrophic cardiomyopathy mice by transgenesis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H949-H958.	1.5	47
87	Pleiotropic $\beta$ -Agonist-Promoted Receptor Conformations and Signals Independent of Intrinsic Activity. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007, 36, 236-243.	1.4	16
88	Allele-Specific Binding of Airway Nuclear Extracts to Polymorphic $\beta$ <sub>2</sub> -Adrenergic Receptor 5' Sequence. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007, 36, 654-660.	1.4	13
89	Tight control of adrenal medulla catecholamine release by $\beta$ <sub>2</sub> -adrenergic receptors influences susceptibility to heart failure. <i>Cardiovascular Research</i> , 2007, 75, 631-633.	1.8	0
90	A functional polymorphism of the G $\alpha$ <sub>q</sub> (GNAQ) gene is associated with accelerated mortality in African-American heart failure. <i>Human Molecular Genetics</i> , 2007, 16, 2740-2750.	1.4	21

#	ARTICLE	IF	CITATIONS
91	Dilated Cardiomyopathy Mutant Tropomyosin Mice Develop Cardiac Dysfunction With Significantly Decreased Fractional Shortening and Myofilament Calcium Sensitivity. <i>Circulation Research</i> , 2007, 101, 205-214.	2.0	86
92	Long-distance affair with adrenal GRK2 hangs up heart failure. <i>Nature Medicine</i> , 2007, 13, 246-248.	15.2	5
93	Crosstalk between Gi and Gq/Gs pathways in airway smooth muscle regulates bronchial contractility and relaxation. <i>Journal of Clinical Investigation</i> , 2007, 117, 1391-1398.	3.9	58
94	$\beta$ 2A- and $\beta$ 2C-Adrenergic Receptors Form Homo- and Heterodimers: The Heterodimeric State Impairs Agonist-Promoted GRK Phosphorylation and $\beta$ 2-Arrestin Recruitment. <i>Biochemistry</i> , 2006, 45, 4760-4767.	1.2	64
95	Transcriptional response to persistent $\beta$ 2-adrenergic receptor signaling reveals regulation of phospholamban, which alters airway contractility. <i>Physiological Genomics</i> , 2006, 27, 171-177.	1.0	20
96	Sequence, Haplotype, and Association Analysis of ADR $\beta$ 2 in a Multiethnic Asthma Case-Control Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 174, 1101-1109.	2.5	167
97	Complex haplotypes derived from noncoding polymorphisms of the intronless $\beta$ 2A-adrenergic gene diversify receptor expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5472-5477.	3.3	43
98	Myocardial $\beta$ 21-adrenergic receptor polymorphisms affect functional recovery after ischemic injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1427-H1432.	1.5	34
99	The Presence of Lys27 Instead of Asn27 in Human Phospholamban Promotes Sarcoplasmic Reticulum Ca <sup>2+</sup> -ATPase Superinhibition and Cardiac Remodeling. <i>Circulation</i> , 2006, 113, 995-1004.	1.6	37
100	$\beta$ 2-Adrenergic Receptor Polymorphisms and Sudden Cardiac Death. <i>Circulation</i> , 2006, 113, 1818-1820.	1.6	19
101	A polymorphism within a conserved beta1-adrenergic receptor motif alters cardiac function and beta-blocker response in human heart failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11288-11293.	3.3	435
102	Airway smooth muscle prostaglandin-EP1 receptors directly modulate $\beta$ 2-adrenergic receptors within a unique heterodimeric complex. <i>Journal of Clinical Investigation</i> , 2006, 116, 1400-1409.	3.9	113
103	Cardiac 7-transmembrane-spanning domain receptor portfolios: diversify, diversify, diversify. <i>Journal of Clinical Investigation</i> , 2006, 116, 875-877.	3.9	9
104	Molecular properties and pharmacogenetics of a polymorphism of adenylyl cyclase type 9 in asthma: interaction between $\beta$ 2-agonist and corticosteroid pathways. <i>Human Molecular Genetics</i> , 2005, 14, 1671-1677.	1.4	121
105	Lymphocyte GRK levels as biomarkers in heart failure The opinions expressed in this article are not necessarily those of the Editors of the <i>European Heart Journal</i> or of the <i>European Society of Cardiology</i> . <i>European Heart Journal</i> , 2005, 26, 1695-1696.	1.0	2
106	Molecular Mechanisms of $\beta$ 2-Adrenergic Receptor Function and Regulation. <i>Proceedings of the American Thoracic Society</i> , 2005, 2, 292-296.	3.5	70
107	Corticosteroid pharmacogenetics: association of sequence variants in CRHR1 with improved lung function in asthmatics treated with inhaled corticosteroids. <i>Human Molecular Genetics</i> , 2004, 13, 1353-1359.	1.4	315
108	Polymorphisms of cardiac presynaptic $\beta$ 2C adrenergic receptors: Diverse intragenic variability with haplotype-specific functional effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13020-13025.	3.3	51



#	ARTICLE	IF	CITATIONS
109	A Primate-dominant Third Glycosylation Site of the $\beta_2$ -Adrenergic Receptor Routes Receptors to Degradation during Agonist Regulation. <i>Journal of Biological Chemistry</i> , 2004, 279, 38603-38607.	1.6	42
110	The two-timing thyroid. <i>Nature Medicine</i> , 2004, 10, 582-583.	15.2	19
111	PKC- $\delta$ regulates cardiac contractility and propensity toward heart failure. <i>Nature Medicine</i> , 2004, 10, 248-254.	15.2	551
112	Genetically modified mouse models for pharmacogenomic research. <i>Nature Reviews Genetics</i> , 2004, 5, 657-663.	7.7	30
113	Medetomidine analogs as selective agonists for the human $\beta_2$ -adrenoceptors. <i>Biochemical Pharmacology</i> , 2004, 67, 87-96.	2.0	16
114	Use of regularly scheduled albuterol treatment in asthma: genotype-stratified, randomised, placebo-controlled cross-over trial. <i>Lancet</i> , The, 2004, 364, 1505-1512.	6.3	592
115	$\beta_2$ -Adrenergic Receptors. , 2004, , 57-59.		0
116	Hereditary dysautonomias: current knowledge and collaborations for the future. <i>Clinical Autonomic Research</i> , 2003, 13, 180-195.	1.4	2
117	Activity of the uptake-1 norepinephrine transporter as measured by I-123 MIBG in heart failure patients with a loss-of-function polymorphism of the presynaptic $\beta_2$ -adrenergic receptor. <i>Journal of Nuclear Cardiology</i> , 2003, 10, 583-589.	1.4	20
118	$\beta_1$ -adrenergic receptor polymorphisms confer differential function and predisposition to heart failure. <i>Nature Medicine</i> , 2003, 9, 1300-1305.	15.2	328
119	PHARMACOLOGY ANDPHYSIOLOGY OFHUMANADRENERGICRECEPTORPOLYMORPHISMS. <i>Annual Review of Pharmacology and Toxicology</i> , 2003, 43, 381-411.	4.2	301
120	Gene and Protein Domain-Specific Patterns of Genetic Variability Within the G-Protein Coupled Receptor Superfamily. <i>Molecular Diagnosis and Therapy</i> , 2003, 3, 65-71.	3.3	24
121	Protein Kinase $C\delta$ Negatively Regulates Systolic and Diastolic Function in Pathological Hypertrophy. <i>Circulation Research</i> , 2003, 93, 1111-1119.	2.0	114
122	Hierarchy of Polymorphic Variation and Desensitization Permutations Relative to $\beta_1$ - and $\beta_2$ -Adrenergic Receptor Signaling. <i>Journal of Biological Chemistry</i> , 2003, 278, 10784-10789.	1.6	65
123	Polymorphisms of Adrenergic Receptors: Variations on a Theme. <i>Assay and Drug Development Technologies</i> , 2003, 1, 317-326.	0.6	22
124	Common Genomic Response in Different Mouse Models of $\beta_2$ -Adrenergic-Induced Cardiomyopathy. <i>Circulation</i> , 2003, 108, 2926-2933.	1.6	68
125	An Ile to Met polymorphism in the catalytic domain of adenylyl cyclase type 9 confers reduced $\beta_2$ -adrenergic receptor stimulation. <i>Pharmacogenetics and Genomics</i> , 2003, 13, 535-541.	5.7	55
126	Human phospholamban null results in lethal dilated cardiomyopathy revealing a critical difference between mouse and human. <i>Journal of Clinical Investigation</i> , 2003, 111, 869-876.	3.9	380



#	ARTICLE	IF	CITATIONS
127	Antithetic regulation by $\beta^2$ -adrenergic receptors of Gq receptor signaling via phospholipase C underlies the airway $\beta^2$ -agonist paradox. <i>Journal of Clinical Investigation</i> , 2003, 112, 619-626.	3.9	112
128	Synergistic Polymorphisms of $\beta^1$ - and $\beta^2$ -Adrenergic Receptors and the Risk of Congestive Heart Failure. <i>New England Journal of Medicine</i> , 2002, 347, 1135-1142.	13.9	529
129	Amino Acid 49 Polymorphisms of the Human $\beta^1$ -Adrenergic Receptor Affect Agonist-Promoted Trafficking. <i>Journal of Cardiovascular Pharmacology</i> , 2002, 39, 155-160.	0.8	194
130	Polymorphisms of the $\beta^1$ -adrenergic receptor predict exercise capacity in heart failure. <i>American Heart Journal</i> , 2002, 144, 840-846.	1.2	124
131	Polymorphisms of the $\beta^2$ -Adrenergic Receptor. <i>New England Journal of Medicine</i> , 2002, 346, 536-538.	13.9	47
132	Yohimbine Dimers Exhibiting Selectivity for the Human $\beta^2$ -Adrenoceptor Subtype. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 303, 979-984.	1.3	30
133	Identification of adrenergic receptor polymorphisms. <i>Methods in Enzymology</i> , 2002, 343, 459-475.	0.4	38
134	Update on current concepts of the molecular basis of $\beta^2$ -adrenergic receptor signaling. <i>Journal of Allergy and Clinical Immunology</i> , 2002, 110, S223-S228.	1.5	75
135	False positive non-synonymous polymorphisms of G-protein coupled receptor genes. <i>FEBS Letters</i> , 2002, 516, 253-256.	1.3	19
136	Phosphorylation of Ser360 in the third intracellular loop of the $\beta^2$ -adrenoceptor during protein kinase C-mediated desensitization. <i>European Journal of Pharmacology</i> , 2002, 437, 41-46.	1.7	12
137	Identification and functional characterization of $\beta^2$ -adrenoceptor polymorphisms. <i>Trends in Pharmacological Sciences</i> , 2001, 22, 471-477.	4.0	59
138	Serine 232 of the $\beta^2$ -Adrenergic Receptor Is a Protein Kinase C-Sensitive Effector Coupling Switch. <i>Biochemistry</i> , 2001, 40, 15031-15037.	1.2	7
139	Targeted transgenic expression of $\beta^2$ -adrenergic receptors to type II cells increases alveolar fluid clearance. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 281, L895-L903.	1.3	41
140	Pharmacogenetic applications of the Human Genome project. <i>Nature Medicine</i> , 2001, 7, 281-283.	15.2	87
141	The Ile164 $\beta^2$ -adrenoceptor polymorphism alters salmeterol exosite binding and conventional agonist coupling to Gs. <i>European Journal of Pharmacology</i> , 2001, 421, 141-147.	1.7	87
142	Polymorphic Deletion of Three Intracellular Acidic Residues of the $\beta^2$ -Adrenergic Receptor Decreases G Protein-coupled Receptor Kinase-mediated Phosphorylation and Desensitization. <i>Journal of Biological Chemistry</i> , 2001, 276, 4917-4922.	1.6	137
143	Effect of Polymorphism of the $\beta^2$ -Adrenergic Receptor on Response to Regular Use of Albuterol in Asthma. <i>International Archives of Allergy and Immunology</i> , 2001, 124, 183-186.	0.9	102
144	Modification of the $\beta^2$ -Adrenergic Receptor to Engineer a Receptor-Effector Complex for Gene Therapy. <i>Journal of Biological Chemistry</i> , 2001, 276, 31596-31601.	1.6	34

#	ARTICLE	IF	CITATIONS
145	Interactions Between Phospholamban and $\beta_2$ -Adrenergic Drive May Lead to Cardiomyopathy and Early Mortality. <i>Circulation</i> , 2001, 103, 889-896.	1.6	100
146	$\beta_2$ -Adrenergic receptors in the failing heart: the good, the bad, and the unknown. <i>Journal of Clinical Investigation</i> , 2001, 107, 947-948.	3.9	39
147	Transgenic overexpression of $\beta_2$ -adrenergic receptors in airway epithelial cells decreases bronchoconstriction. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 279, L379-L389.	1.3	31
148	An Asn to Lys Polymorphism in the Third Intracellular Loop of the Human $\beta_2$ -Adrenergic Receptor Imparts Enhanced Agonist-promoted Gi Coupling. <i>Journal of Biological Chemistry</i> , 2000, 275, 38518-38523.	1.6	67
149	A Four Amino Acid Deletion Polymorphism in the Third Intracellular Loop of the Human $\beta_2$ -Adrenergic Receptor Confers Impaired Coupling to Multiple Effectors. <i>Journal of Biological Chemistry</i> , 2000, 275, 23059-23064.	1.6	171
150	$\beta_2/\beta_2$ -Adrenergic Receptor Third Loop Chimera Show That Agonist Interaction with Receptor Subtype Backbone Establishes G Protein-coupled Receptor Kinase Phosphorylation. <i>Journal of Biological Chemistry</i> , 2000, 275, 28989-28993.	1.6	24
151	Pharmacogenetics of Beta-1- and Beta-2-Adrenergic Receptors. <i>Pharmacology</i> , 2000, 61, 167-173.	0.9	133
152	Polymorphisms of the $\beta_2$ -Adrenergic Receptor Determine Exercise Capacity in Patients With Heart Failure. <i>Circulation Research</i> , 2000, 86, 834-840.	2.0	171
153	$\beta_2$ -Adrenergic receptor polymorphisms at amino acid 16 differentially influence agonist-stimulated blood pressure and peripheral blood flow in normal individuals. <i>American Heart Journal</i> , 2000, 139, 537-542.	1.2	121
154	The pharmacogenetics of $\beta_2$ -adrenergic receptors: Relevance to asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2000, 105, S487-S492.	1.5	82
155	Functional Receptor Coupling to G $\alpha_s$ A Mechanism of Agonist-Promoted Desensitization of the $\beta_2$ -Adrenergic Receptor. <i>Journal of Receptor and Signal Transduction Research</i> , 2000, 20, 75-85.	1.3	22
156	Fusion of $\beta_2$ -Adrenergic Receptor to G $\alpha_s$ in Mammalian Cells: Identification of a Specific Signal Transduction Species Not Characteristic of Constitutive Activation or Precoupling. <i>Biochemistry</i> , 2000, 39, 2815-2821.	1.2	20
157	Histamine N-methyltransferase pharmacogenetics: association of a common functional polymorphism with asthma. <i>Pharmacogenetics and Genomics</i> , 2000, 10, 261-266.	5.7	89
158	$\beta_2$ -Adrenergic receptor polymorphisms at amino acid 16 differentially influence agonist-stimulated blood pressure and peripheral blood flow in normal individuals. <i>American Heart Journal</i> , 2000, 139, 0537-0542.	1.2	4
159	Transgenic Overexpression of $\beta_2$ -Adrenergic Receptors in Airway Smooth Muscle Alters Myocyte Function and Ablates Bronchial Hyperreactivity. <i>Journal of Biological Chemistry</i> , 1999, 274, 32241-32247.	1.6	57
160	Plastic Adenylyl Cyclase. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1999, 21, 564-566.	1.4	4
161	Cardiac Specific Overexpression of Transglutaminase II (Gh) Results in a Unique Hypertrophy Phenotype Independent of Phospholipase C Activation. <i>Journal of Biological Chemistry</i> , 1999, 274, 21291-21296.	1.6	94
162	A Gain-of-function Polymorphism in a G-protein Coupling Domain of the Human $\beta_1$ -Adrenergic Receptor. <i>Journal of Biological Chemistry</i> , 1999, 274, 12670-12674.	1.6	540

#	ARTICLE	IF	CITATIONS
163	Racial differences in the frequencies of cardiac $\beta_1$ -adrenergic receptor polymorphisms: Analysis of c145A>G and c1165G>C. , 1999, 14, 271-271.		93
164	Transgenic replacement of type V adenylyl cyclase identifies a critical mechanism of $\beta_2$ -adrenergic receptor dysfunction in the $G_i$ -overexpressing mouse. FEBS Letters, 1999, 458, 236-240.	1.3	53
165	Molecular and genetic basis of $\beta_2$ -adrenergic receptor function. Journal of Allergy and Clinical Immunology, 1999, 104, S42-S46.	1.5	57
166	Altering the Receptor-Effector Ratio by Transgenic Overexpression of Type V Adenylyl Cyclase: Enhanced Basal Catalytic Activity and Function without Increased Cardiomyocyte $\beta_2$ -Adrenergic Signaling. Biochemistry, 1999, 38, 16706-16713.	1.2	61
167	Role of $\beta_2$ ARK in Long-Term Agonist-Promoted Desensitization of the $\beta_2$ -Adrenergic Receptor. Cellular Signalling, 1998, 10, 197-204.	1.7	22
168	Agonist-Mediated Downregulation of $G_i$ via the $\beta_2$ -Adrenergic Receptor Is Targeted by Receptor-Gi Interaction and Is Independent of Receptor Signaling and Regulation. Biochemistry, 1998, 37, 15720-15725.	1.2	29
169	Decompensation of Pressure-Overload Hypertrophy in $G_i$ -Overexpressing Mice. Circulation, 1998, 97, 1488-1495.	1.6	199
170	Phosphorylation and Functional Desensitization of the $\beta_2$ -Adrenergic Receptor by Protein Kinase C. Molecular Pharmacology, 1998, 54, 44-49.	1.0	41
171	Heterogeneity in $\beta_2$ -Adrenergic Receptor Kinase Expression in the Lung Accounts for Cell-specific Desensitization of the $\beta_2$ -Adrenergic Receptor. Journal of Biological Chemistry, 1997, 272, 7338-7344.	1.6	79
172	Structural Determinants of $\beta_2$ -Adrenergic Receptor Regulation. Advances in Pharmacology, 1997, 42, 438-442.	1.2	5
173	$\beta_2$ -Adrenergic Receptor Stimulated Calcium Release Is Transduced by Gi-Associated $G_{i3}$ -Mediated Activation of Phospholipase C. Biochemistry, 1997, 36, 6415-6423.	1.2	80
174	Role of the Amino Terminus of the Third Intracellular Loop in Agonist-Promoted Downregulation of the $\beta_2$ -Adrenergic Receptor. Biochemistry, 1997, 36, 8858-8863.	1.2	22
175	Effects of Thyroid Hormone on Cardiac $\beta_2$ -Adrenergic Responsiveness in Conscious Baboons. Circulation, 1997, 96, 592-598.	1.6	89
176	Chimeric Mutagenesis of Putative G-protein Coupling Domains of the $\beta_2$ -Adrenergic Receptor. Journal of Biological Chemistry, 1996, 271, 12826-12832.	1.6	80
177	G Protein-coupled Receptor Kinase Specificity for Phosphorylation and Desensitization of $\beta_2$ -Adrenergic Receptor Subtypes. Journal of Biological Chemistry, 1996, 271, 18082-18087.	1.6	75
178	Sustained Activation of a G Protein-coupled Receptor via "Anchored" Agonist Binding. Journal of Biological Chemistry, 1996, 271, 24029-24035.	1.6	135
179	Phosphorylation and Desensitization of the Human $\beta_1$ -Adrenergic Receptor. Journal of Biological Chemistry, 1995, 270, 17953-17961.	1.6	284
180	Four Consecutive Serines in the Third Intracellular Loop Are the Sites for $\beta_2$ -Adrenergic Receptor Kinase-mediated Phosphorylation and Desensitization of the $\beta_2$ -Adrenergic Receptor. Journal of Biological Chemistry, 1995, 270, 4681-4688.	1.6	115

#	ARTICLE	IF	CITATIONS
181	Identification of a Gs Coupling Domain in the Amino Terminus of the Third Intracellular Loop of the $\beta_2$ -Adrenergic Receptor. <i>Journal of Biological Chemistry</i> , 1995, 270, 24753-24760.	1.6	96
182	An Acidic Motif within the Third Intracellular Loop of the $\alpha_2C2$ Adrenergic Receptor Is Required for Agonist-Promoted Phosphorylation and Desensitization. <i>Biochemistry</i> , 1995, 34, 11946-11953.	1.2	48
183	Amino-Terminal Polymorphisms of the Human $\beta_2$ -Adrenergic Receptor Impart Distinct Agonist-Promoted Regulatory Properties. <i>Biochemistry</i> , 1994, 33, 9414-9419.	1.2	745
184	Mutations in the Gene Encoding for the $\beta_2$ -adrenergic Receptor in Normal and Asthmatic Subjects. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1993, 8, 334-339.	1.4	622
185	Desensitization of the $\beta_2$ -adrenergic receptor: Distinct molecular determinants of phosphorylation by specific kinases. <i>Pharmacological Research</i> , 1991, 24, 29-41.	3.1	23
186	system of the human macrophage U937 cell line. <i>European Journal of Pharmacology</i> , 1989, 163, 171-174.	1.7	19