

Finn Olav Levy

List of Publications by Year in descending order

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59
papers

1,879
citations

331670

21
h-index

302126

39
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60
all docs

60
docs citations

60
times ranked

2213
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of the CooH-Terminal Src Kinase (Csk) by Camp-Dependent Protein Kinase Inhibits Signaling through the T Cell Receptor. <i>Journal of Experimental Medicine</i> , 2001, 193, 497-508.	8.5	299
2	5-Hydroxytryptamine receptors in the human cardiovascular system. , 2006, 111, 674-706.		249
3	International Union of Basic and Clinical Pharmacology. CX. Classification of Receptors for 5-hydroxytryptamine; Pharmacology and Function. <i>Pharmacological Reviews</i> , 2021, 73, 310-520.	16.0	127
4	5-HT 4(a) and 5-HT 4(b) receptors have nearly identical pharmacology and are both expressed in human atrium and ventricle. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2001, 363, 146-160.	3.0	104
5	Appearance of a ventricular 5-HT receptor-mediated inotropic response to serotonin in heart failure. <i>Cardiovascular Research</i> , 2005, 65, 869-878.	3.8	73
6	Activation of the CAMP signaling pathway increases apoptosis in human B-precursor cells and is associated with downregulation of Mcl-1 expression. <i>Journal of Cellular Physiology</i> , 1999, 180, 71-80.	4.1	68
7	Functional serotonin 5-HT4 receptors in porcine and human ventricular myocardium with increased 5-HT4 mRNA in heart failure. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004, 370, 157-66.	3.0	60
8	Natriuretic peptides increase β 1-adrenoceptor signalling in failing hearts through phosphodiesterase 3 inhibition. <i>Cardiovascular Research</i> , 2010, 85, 763-772.	3.8	59
9	Disheveled regulates precoupling of heterotrimeric G proteins to Frizzled 6. <i>FASEB Journal</i> , 2014, 28, 2293-2305.	0.5	58
10	PDE3 , but not PDE4 , reduces β 1 and β 2-adrenoceptor-mediated inotropic and lusitropic effects in failing ventricle from metoprolol-treated patients. <i>British Journal of Pharmacology</i> , 2013, 169, 528-538.	5.4	50
11	Cyclic AMP-dependent protein kinase (cAK) in human B cells: co-localization of type I cAK (RI α 2C2) with the antigen receptor during anti-immunoglobulin-induced B cell activation. <i>European Journal of Immunology</i> , 1996, 26, 1290-1296.	2.9	44
12	Ephrin-B2 is a candidate ligand for the Eph receptor, EphB6. <i>FEBS Letters</i> , 2000, 466, 169-174.	2.8	39
13	Activation of Adenylyl Cyclase by Endogenous Gs-Coupled Receptors in Human Embryonic Kidney 293 Cells Is Attenuated by 5-HT7 Receptor Expression. <i>Molecular Pharmacology</i> , 2006, 69, 207-215.	2.3	37
14	Expression of mRNA encoding G protein-coupled receptors involved in congestive heart failure. <i>Basic Research in Cardiology</i> , 2007, 102, 198-208.	5.9	34
15	Different Compartmentation of Responses to Brain Natriuretic Peptide and C-Type Natriuretic Peptide in Failing Rat Ventricle. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 350, 681-690.	2.5	33
16	FRET-based cyclic GMP biosensors measure low cGMP concentrations in cardiomyocytes and neurons. <i>Communications Biology</i> , 2019, 2, 394.	4.4	31
17	PDE3 inhibition by C-type natriuretic peptide-induced cGMP enhances cAMP-mediated signaling in both non-failing and failing hearts. <i>European Journal of Pharmacology</i> , 2017, 812, 174-183.	3.5	28
18	The Inotropic Effect of the Active Metabolite of Levosimendan, OR-1896, Is Mediated through Inhibition of PDE3 in Rat Ventricular Myocardium. <i>PLoS ONE</i> , 2015, 10, e0115547.	2.5	27

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19	Related GPCRs couple differently to G _s : preassociation between G protein and 5-HT ₇ serotonin receptor reveals movement of G _i upon receptor activation. <i>FASEB Journal</i> , 2018, 32, 1059-1069.	0.5	27
20	Unaltered Agonist Potency upon Inducible 5-HT ₇ (a) but not 5-HT ₄ (b) Receptor Expression Indicates Agonist-Independent Association of 5-HT ₇ (a) Receptor and G _s . <i>Receptors and Channels</i> , 2003, 9, 107-116.	1.1	26
21	Effects of serotonin in failing cardiac ventricle: Signalling mechanisms and potential therapeutic implications. <i>Neuropharmacology</i> , 2008, 55, 1066-1071.	4.1	23
22	Agents increasing cyclic GMP amplify 5-HT ₄ -elicited positive inotropic response in failing rat cardiac ventricle. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 384, 543-553.	3.0	23
23	Î±1-AR-mediated activation of NKCC in rat cardiomyocytes involves ERK-dependent phosphorylation of the cotransporter. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1354-H1360.	3.2	20
24	Cardiac PDEs and crosstalk between cAMP and cGMP signalling pathways in the regulation of contractility. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2013, 386, 665-670.	3.0	20
25	Differential regulation of C-type natriuretic peptide-induced cGMP and functional responses by PDE2 and PDE3 in failing myocardium. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014, 387, 407-417.	3.0	20
26	Differential regulation of Î² ₂ -adrenoceptor-mediated inotropic and lusitropic response by PDE3 and PDE4 in failing and non-failing rat cardiac ventricle. <i>British Journal of Pharmacology</i> , 2011, 162, 54-71.	5.4	19
27	Synthesis and pharmacological properties of novel hydrophilic 5-HT ₄ receptor antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 8600-8613.	3.0	18
28	Reduced ambient temperature exacerbates SIRS-induced cardiac autonomic dysregulation and myocardial dysfunction in mice. <i>Basic Research in Cardiology</i> , 2019, 114, 26.	5.9	17
29	Phosphodiesterases and Compartmentation of cAMP and cGMP Signaling in Regulation of Cardiac Contractility in Normal and Failing Hearts. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2145.	4.1	17
30	The Cardiac Ventricular 5-HT ₄ Receptor Is Functional in Late Foetal Development and Is Reactivated in Heart Failure. <i>PLoS ONE</i> , 2012, 7, e45489.	2.5	16
31	Identification of essential residues for binding and activation in the human 5-HT ₇ (a) serotonin receptor by molecular modeling and site-directed mutagenesis. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 92.	2.0	13
32	CNP regulates cardiac contractility and increases cGMP near both SERCA and TnI: difference from BNP visualized by targeted cGMP biosensors. <i>Cardiovascular Research</i> , 2022, 118, 1506-1519.	3.8	13
33	Gi Proteins Regulate Adenylyl Cyclase Activity Independent of Receptor Activation. <i>PLoS ONE</i> , 2014, 9, e106608.	2.5	13
34	Unaltered agonist potency upon inducible 5-HT ₇ (a) but not 5-HT ₄ (b) receptor expression indicates agonist-independent association of 5-HT ₇ (a) receptor and G _s . <i>Receptors and Channels</i> , 2003, 9, 107-16.	1.1	13
35	CDw78 is a determinant on a major histocompatibility complex class II subpopulation that can be induced to associate with the cytoskeleton. <i>European Journal of Immunology</i> , 1997, 27, 3206-3213.	2.9	12
36	Prostanoid F receptors elicit an inotropic effect in rat left ventricle by enhancing myosin light chain phosphorylation. <i>Cardiovascular Research</i> , 2008, 80, 407-415.	3.8	12

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37	An inactive receptor-G protein complex maintains the dynamic range of agonist-induced signaling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30755-30762.	7.1	12
38	Non-classical regulation of β_1 - and β_2 -adrenoceptor-mediated inotropic responses in rat heart ventricle by the G protein Gi. Naunyn-Schmiedeberg's Archives of Pharmacology, 2014, 387, 1177-1186.	3.0	11
39	Prostanoid-mediated inotropic responses are attenuated in failing human and rat ventricular myocardium. European Journal of Pharmacology, 2012, 686, 66-73.	3.5	10
40	Downregulation of 5-HT ₇ Serotonin Receptors by the Atypical Antipsychotics Clozapine and Olanzapine. Role of Motifs in the C-Terminal Domain and Interaction with GASP-1. ACS Chemical Neuroscience, 2015, 6, 1206-1218.	3.5	10
41	Unaltered Agonist Potency upon Inducible 5-HT _{7(a)} but not 5-HT _{4(b)} Receptor Expression Indicates Agonist-Independent Association of 5-HT _{7(a)} Receptor and G _s Receptors and Channels, 2003, 9, 107-116.	1.1	10
42	Synthesis and in vitro evaluation of small-molecule [¹⁸ F] labeled gonadotropin-releasing hormone (GnRH) receptor antagonists as potential PET imaging agents for GnRH receptor expression. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1846-1850.	2.2	9
43	CaMKII in addition to MLCK contributes to phosphorylation of regulatory light chain in cardiomyocytes. Biochemical and Biophysical Research Communications, 2016, 471, 219-225.	2.1	9
44	Low β_2 -adrenergic receptor level may promote development of castration resistant prostate cancer and altered steroid metabolism. Oncotarget, 2016, 7, 1878-1894.	1.8	9
45	Preassociation between the 5-HT ₇ serotonin receptor and G protein G _s : molecular determinants and association with low potency activation of adenylyl cyclase. FASEB Journal, 2019, 33, 3870-3886.	0.5	8
46	Epac- and Rap-independent ERK1/2 phosphorylation induced by G _s -coupled receptor stimulation in HEK293 cells. FEBS Letters, 2007, 581, 15-20.	2.8	7
47	Functional pharmacological characterization of SER100 in cardiovascular health and disease. British Journal of Pharmacology, 2016, 173, 3386-3401.	5.4	7
48	Knockout of adenylyl cyclase isoform 5 or 6 differentially modifies the β_1 -adrenoceptor-mediated inotropic response. Journal of Molecular and Cellular Cardiology, 2019, 131, 132-145.	1.9	7
49	Hypothermia elongates the contraction-relaxation cycle in explanted human failing heart decreasing the time for ventricular filling during diastole. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1137-H1147.	3.2	6
50	Identification of small molecule NPR-B antagonists by high throughput screening – potential use in heart failure. Naunyn-Schmiedeberg's Archives of Pharmacology, 2014, 387, 5-14.	3.0	5
51	Prostaglandin E1 facilitates inotropic effects of 5-HT ₄ serotonin receptors and β_2 -adrenoceptors in failing human heart. Basic Research in Cardiology, 2012, 107, 295.	5.9	3
52	Exercise Training Stabilizes RyR2-Dependent Ca ²⁺ Release in Post-infarction Heart Failure. Frontiers in Cardiovascular Medicine, 2020, 7, 623922.	2.4	3
53	Radiosynthesis of high affinity fluorine-18 labeled GnRH peptide analogues: <i>in vitro</i> studies and <i>in vivo</i> assessment of brain uptake in rats. MedChemComm, 2015, 6, 708-714.	3.4	2
54	Constitutive inhibitory G protein activity upon adenylyl cyclase-dependent cardiac contractility is limited to adenylyl cyclase type 6. PLoS ONE, 2019, 14, e0218110.	2.5	2

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55	Compartmentation of Natriuretic Peptide Signalling in Cardiac Myocytes: Effects on Cardiac Contractility and Hypertrophy. <i>Cardiac and Vascular Biology</i> , 2017, , 245-271.	0.2	2
56	Synthesis, Enzyme Assays and Molecular Docking Studies of Fluorinated Bioisosteres of Santacruzamate A as Potential HDAC Tracers. <i>Letters in Drug Design and Discovery</i> , 2017, 14, .	0.7	2
57	Discovery and pharmacological profile of new hydrophilic 5-HT ₄ receptor antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4598-4602.	2.2	1
58	In memory of Guro Valen (1960–2014). <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 79, 254-255.	1.9	0
59	CaMKII and at least two unidentified kinases phosphorylate regulatory light chain in non-contracting cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 14-19.	2.1	0