Karoly Liliom

List of Publications by Citations

47 papers	1,801 citations	23 h-index	42 g-index
53 ext. papers	1,935 ext. citations	4.8 avg, IF	3.58 L-index

#	Paper	IF	Citations
47	Molecular cloning of a high-affinity receptor for the growth factor-like lipid mediator lysophosphatidic acid from Xenopus oocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 14367-72	11.5	183
46	Sphingosylphosphocholine is a naturally occurring lipid mediator in blood plasma: a possible role in regulating cardiac function via sphingolipid receptors. *Biochemical Journal*, **2001**, 355, 189-197	3.8	136
45	Identification of Edg1 receptor residues that recognize sphingosine 1-phosphate. *Journal of Biological Chemistry*, **2000**, 275, 39379-84	5.4	133
44	Naturally occurring analogs of lysophosphatidic acid elicit different cellular responses through selective activation of multiple receptor subtypes. *Molecular Pharmacology*, **1998**, 54, 979-88	4.3	118
43	Synthesis, structure-activity relationships, and biological evaluation of fatty alcohol phosphates as lysophosphatidic acid receptor ligands, activators of PPARgamma, and inhibitors of autotaxin. *Journal of Medicinal Chemistry*, **2005**, 48, 4919-30	8.3	92
42	Growth factor-like phospholipids generated after corneal injury. *American Journal of Physiology - Cell Physiology*, **1998**, 274, C1065-74	5.4	90
41	A single amino acid determines lysophospholipid specificity of the S1P1 (EDG1) and LPA1 (EDG2) phospholipid growth factor receptors. *Journal of Biological Chemistry*, **2001**, 276, 49213-20	5.4	85
40	Fatty alcohol phosphates are subtype-selective agonists and antagonists of lysophosphatidic acid receptors. *Molecular Pharmacology*, **2003**, 63, 1032-42	4.3	81
39	Photolysis of intracellular caged sphingosine-1-phosphate causes Ca2+ mobilization independently of G-protein-coupled receptors. *FEBS Letters*, **2003**, 554, 443-9	3.8	79
38	Sphingosylphosphocholine is a naturally occurring lipid mediator in blood plasma: a possible role in regulating cardiac function via sphingolipid receptors. *Biochemical Journal*, **2001**, 355, 189-97	3.8	79
37	Dual coding in alternative reading frames correlates with intrinsic protein disorder. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 5429-34	11.5	60
36	Neonatal FcR overexpression boosts humoral immune response in transgenic mice. *Journal of Immunology*, **2011**, 186, 959-68	5.3	50
35	Enhanced association of mutant triosephosphate isomerase to red cell membranes and to brain microtubules. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 1026-31	11.5	50
34	Identification of a novel growth factor-like lipid, 1-O-cis-alk-1Tenyl-2-lyso-sn-glycero-3-phosphate (alkenyl-GP) that is present in commercial sphingolipid preparations. *Journal of Biological Chemistry* , **1998**, 273, 13461-8	5.4	42
33	The phospholipase A1 activity of lysophospholipase A-I links platelet activation to LPA production during blood coagulation. *Journal of Lipid Research*, **2011**, 52, 958-70	6.3	41
32	Identification of the hydrophobic ligand binding pocket of the S1P1 receptor. *Journal of Biological Chemistry*, **2007**, 282, 2374-85	5.4	41
31	A new potent calmodulin antagonist with arylalkylamine structure: crystallographic, spectroscopic and functional studies. *Journal of Molecular Biology*, **2000**, 297, 747-55	6.5	36

30	Organization-dependent effects of toxic bivalent ions microtubule assembly and glycolysis. *FEBS Journal*, **2000**, 267, 4731-9		34
29	Regulation of the Equilibrium between Closed and Open Conformations of Annexin A2 by N-Terminal Phosphorylation and S100A4-Binding. *Structure*, **2017**, 25, 1195-1207.e5	5.2	31
28	The role of the conserved glycines of ATP-binding cassette signature motifs of MRP1 in the communication between the substrate-binding site and the catalytic centers. *Journal of Biological Chemistry*, **2004**, 279, 41670-8	5.4	28
27	Mechanism of lysophosphatidic acid-induced amyloid fibril formation of beta(2)-microglobulin in vitro under physiological conditions. *Biochemistry*, **2009**, 48, 5689-99	3.2	27
26	Stereochemical properties of lysophosphatidic acid receptor activation and metabolism. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2002**, 1582, 295-308	5	26
25	Combined enhancement of microtubule assembly and glucose metabolism in neuronal systems in vitro: decreased sensitivity to copper toxicity. *Biochemical and Biophysical Research Communications* , **1999**, 264, 605-10	3.4	25
24	Farnesyl phosphates are endogenous ligands of lysophosphatidic acid receptors: inhibition of LPA GPCR and activation of PPARs. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2006**, 1761, 1506-14	5	22
23	Anti-calmodulin potency of indol alkaloids in in vitro systems. *European Journal of Pharmacology*, **1995**, 291, 73-82		22
22	GAP43 shows partial co-localisation but no strong physical interaction with prolyl oligopeptidase. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2010**, 1804, 2162-76	4	20
21	Quantitative evaluation of indirect ELISA. Effect of calmodulin antagonists on antibody binding to calmodulin. *Journal of Immunological Methods*, **1991**, 143, 119-25	2.5	20
20	Sphingosylphosphorylcholine as a novel calmodulin inhibitor. *Biochemical Journal*, **2008**, 410, 427-37	3.8	16
19	Pharmacological characterization of phospholipid growth-factor receptors. *Annals of the New York Academy of Sciences*, **2000**, 905, 34-53	6.5	14
18	New cholesterol-specific antibodies remodel HIV-1 target cellsTsurface and inhibit their in vitro virus production. *Journal of Lipid Research*, **2010**, 51, 286-96	6.3	12
17	Dissociation of calmodulin-target peptide complexes by the lipid mediator sphingosylphosphorylcholine: implications in calcium signaling. *Journal of Biological Chemistry*, **2010**, 285, 1799-808	5.4	12
16	Soluble components of the flagellar export apparatus, FliI, FliJ, and FliH, do not deliver flagellin, the major filament protein, from the cytosol to the export gate. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2014**, 1843, 2414-23	4.9	11
15	Synthesis and properties of a photoactivatable analogue of psychosine (beta-Galactosylsphingosine). *ChemMedChem*, **2010**, 5, 682-6	3.7	11
14	Selectivity of kinases on the activation of tenofovir, an anti-HIV agent. *European Journal of Pharmaceutical Sciences*, **2013**, 48, 307-15	5.1	10
13	Nucleotide promiscuity of 3-phosphoglycerate kinase is in focus: implications for the design of better anti-HIV analogues. *Molecular BioSystems*, **2011**, 7, 1863-73		10

12	Local anesthetics inhibit receptors coupled to phosphoinositide signaling in Xenopus oocytes. *Pflugers Archiv European Journal of Physiology*, **1997**, 433, 478-87	4.6	9
11	The lipid mediator lysophosphatidic acid induces folding of disordered peptides with basic amphipathic character into rare conformations. *Scientific Reports*, **2018**, 8, 14499	4.9	9
10	Nucleotides and transported substrates modulate different steps of the ATPase catalytic cycle of MRP1 multidrug transporter. *Biochemical Journal*, **2004**, 380, 549-60	3.8	8
9	Structure and mechanism of calmodulin binding to a signaling sphingolipid reveal new aspects of lipid-protein interactions. *FASEB Journal*, **2010**, 24, 3829-39	0.9	7
8	The SH3 domain of Caskin1 binds to lysophosphatidic acid suggesting a direct role for the lipid in intracellular signaling. *Cellular Signalling*, **2017**, 32, 66-75	4.9	6
7	Regulation of ryanodine receptors by sphingosylphosphorylcholine: involvement of both calmodulin-dependent and -independent mechanisms. *Biochemical and Biophysical Research Communications*, **2010**, 401, 281-6	3.4	5
6	Sphingosylphosphorylcholine is a bona fide mediator regulating heart rate. *Annals of the New York Academy of Sciences*, **2000**, 905, 308-10	6.5	5
5	Unbinding of hyaluronan accelerates the enzymatic activity of bee hyaluronidase. *Journal of Biological Chemistry*, **2011**, 286, 35699-35707	5.4	2
4	Phospholipid Growth Factors: Identification and Mechanism of Action **2020**, 51-81		1
3	Comparison of ligand binding and conformational stability of human calmodulin with its homolog from the malaria parasite. *FASEB BioAdvances*, **2020**, 2, 489-505	2.8	0
2	Absolute Quantitation of Serum Antibody Reactivity Using the Richards Growth Model for Antigen Microspot Titration. *Sensors*, **2022**, 22, 3962	3.8	0
1	Contributory presentations/posters. *Journal of Biosciences*, **1999**, 24, 33-198	2.3	