# Karoly Liliom

List of Publications by Year
in descending order



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|---|---|---|---|
| 52 papers | 2,060 citations | 279487 23 h-index | 233125 45 g-index |
| 53 all docs | 53 docs citations | 53 times ranked | 1984 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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, 14367-14372. | 3.3 | 188 |
| 2 | Identification of Edg1 Receptor Residues That Recognize Sphingosine 1-Phosphate. Journal of Biological Chemistry, 2000, 275, 39379-39384. | 1.6 | 147 |
| 3 | 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. | 1.7 | 143 |
| 4 | Naturally Occurring Analogs of Lysophosphatidic Acid Elicit Different Cellular Responses through Selective Activation of Multiple Receptor Subtypes. Molecular Pharmacology, 1998, 54, 979-988. | 1.0 | 123 |
| 5 | Synthesis, Structureâ˘'Activity Relationships, and Biological Evaluation of Fatty Alcohol Phosphates as Lysophosphatidic Acid Receptor Ligands, Activators of PPARÎ³, and Inhibitors of Autotaxinâ€. Journal of Medicinal Chemistry, 2005, 48, 4919-4930. | 2.9 | 104 |
| 6 | Growth factor-like phospholipids generated after corneal injury. American Journal of Physiology - Cell Physiology, 1998, 274, C1065-C1074. | 2.1 | 102 |
| 7 | A Single Amino Acid Determines Lysophospholipid Specificity of the S1P1 (EDG1) and LPA1 (EDG2) Phospholipid Growth Factor Receptors. Journal of Biological Chemistry, 2001, 276, 49213-49220. | 1.6 | 99 |
| 8 | 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. | 1.7 | 94 |
| 9 | 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, 5429-5434. | 3.3 | 92 |
| 10 | Photolysis of intracellular caged sphingosine-1-phosphate causes Ca2+mobilization independently of G-protein-coupled receptors. FEBS Letters, 2003, 554, 443-449. | 1.3 | 87 |
| 11 | Fatty Alcohol Phosphates are Subtype-Selective Agonists and Antagonists of Lysophosphatidic Acid Receptors. Molecular Pharmacology, 2003, 63, 1032-1042. | 1.0 | 85 |
| 12 | Neonatal FcR Overexpression Boosts Humoral Immune Response in Transgenic Mice. Journal of Immunology, 2011, 186, 959-968. | 0.4 | 65 |
| 13 | The phospholipase A1 activity of lysophospholipase A-I links platelet activation to LPA production during blood coagulation. Journal of Lipid Research, 2011, 52, 958-970. | 2.0 | 54 |
| 14 | 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, 1026-1031. | 3.3 | 52 |
| 15 | Identification of the Hydrophobic Ligand Binding Pocket of the S1P1 Receptor. Journal of Biological Chemistry, 2007, 282, 2374-2385. | 1.6 | 49 |
| 16 | Identification of a Novel Growth Factor-like Lipid, 1-O-cis-Alk-1â€²-enyl-2-lyso-sn-glycero-3-phosphate (Alkenyl-GP) That Is Present in Commercial Sphingolipid Preparations. Journal of Biological Chemistry, 1998, 273, 13461-13468. | 1.6 | 47 |
| 17 | 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. | 1.6 | 42 |
| 18 | A new potent calmodulin antagonist with arylalkylamine structure: crystallographic, spectroscopic and functional studies. Journal of Molecular Biology, 2000, 297, 747-755. | 2.0 | 40 |

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|---|---|---|---|
| 19 | Organization-dependent effects of toxic bivalent ions. FEBS Journal, 2000, 267, 4731-4739. | 0.2 | 35 |
| 20 | Stereochemical properties of lysophosphatidic acid receptor activation and metabolism. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2002, 1582, 295-308. | 1.2 | 33 |
| 21 | 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, 41670-41678. | 1.6 | 32 |
| 22 | Mechanism of Lysophosphatidic Acid-Induced Amyloid Fibril Formation of Î²<sub>2</sub>-Microglobulin <i>in Vitro</i> under Physiological Conditions. Biochemistry, 2009, 48, 5689-5699. | 1.2 | 29 |
| 23 | 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, 605-610. | 1.0 | 26 |
| 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, 1506-1514. | 1.2 | 24 |
| 25 | Anti-calmodulin potency of indol alkaloids in in vitro systems. European Journal of Pharmacology, 1995, 291, 73-82. | 2.7 | 23 |
| 26 | Quantitative evaluation of indirect ELISA effect of calmodulin antagonists on antibody binding to calmodulin. Journal of Immunological Methods, 1991, 143, 119-125. | 0.6 | 20 |
| 27 | GAP43 shows partial co-localisation but no strong physical interaction with prolyl oligopeptidase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 2162-2176. | 1.1 | 20 |
| 28 | Pharmacological Characterization of Phospholipid Growthâ€Factor Receptors. Annals of the New York Academy of Sciences, 2000, 905, 34-53. | 1.8 | 18 |
| 29 | Sphingosylphosphorylcholine as a novel calmodulin inhibitor. Biochemical Journal, 2008, 410, 427-437. | 1.7 | 18 |
| 30 | Dissociation of Calmodulin-Target Peptide Complexes by the Lipid Mediator Sphingosylphosphorylcholine. Journal of Biological Chemistry, 2010, 285, 1799-1808. | 1.6 | 18 |
| 31 | 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, 2414-2423. | 1.9 | 16 |
| 32 | Selectivity of kinases on the activation of tenofovir, an anti-HIV agent. European Journal of Pharmaceutical Sciences, 2013, 48, 307-315. | 1.9 | 15 |
| 33 | New cholesterol-specific antibodies remodel HIV-1 target cellsâ€™ surface and inhibit their in vitro virus production. Journal of Lipid Research, 2010, 51, 286-296. | 2.0 | 13 |
| 34 | Local anesthetics inhibit receptors coupled to phosphoinositide signaling in. Pflugers Archiv European Journal of Physiology, 1997, 433, 478. | 1.3 | 12 |
| 35 | Nucleotide promiscuity of 3-phosphoglycerate kinase is in focus: implications for the design of better anti-HIV analogues. Molecular BioSystems, 2011, 7, 1863. | 2.9 | 12 |
| 36 | Synthesis and Properties of a Photoactivatable Analogue of Psychosine (Î²â€Galactosylsphingosine). ChemMedChem, 2010, 5, 682-686. | 1.6 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The lipid mediator lysophosphatidic acid induces folding of disordered peptides with basic amphipathic character into rare conformations. Scientific Reports, 2018, 8, 14499. | 1.6 | 10 |
| 38 | Nucleotides and transported substrates modulate different steps of the ATPase catalytic cycle of MRP1 multidrug transporter. Biochemical Journal, 2004, 380, 549-560. | 1.7 | 8 |
| 39 | Structure and mechanism of calmodulin binding to a signaling sphingolipid reveal new aspects of lipidâ€protein interactions. FASEB Journal, 2010, 24, 3829-3839. | 0.2 | 8 |
| 40 | 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. | 1.7 | 8 |
| 41 | Sphingosylphosphorylcholine Is a <i>Bona Fide</i> Mediator Regulating Heart Rate. Annals of the New York Academy of Sciences, 2000, 905, 308-310. | 1.8 | 6 |
| 42 | Regulation of ryanodine receptors by sphingosylphosphorylcholine: Involvement of both calmodulin-dependent and -independent mechanisms. Biochemical and Biophysical Research Communications, 2010, 401, 281-286. | 1.0 | 6 |
| 43 | Competitive inhibition of the classical complement pathway using exogenous single-chain C1q recognition proteins. Journal of Biological Chemistry, 2022, 298, 102113. | 1.6 | 5 |
| 44 | Unbinding of Hyaluronan Accelerates the Enzymatic Activity of Bee Hyaluronidase. Journal of Biological Chemistry, 2011, 286, 35699-35707. | 1.6 | 4 |
| 45 | Comparison of ligand binding and conformational stability of human calmodulin with its homolog from the malaria parasite<i>Plasmodium falciparum</i>. FASEB BioAdvances, 2020, 2, 489-505. | 1.3 | 4 |
| 46 | Solution NMR Structure of the SH3 Domain of Human Caskin1 Validates the Lack of a Typical Peptide Binding Groove and Supports a Role in Lipid Mediator Binding. Cells, 2021, 10, 173. | 1.8 | 3 |
| 47 | Phospholipid Growth Factors: Identification and Mechanism of Action. , 2020, , 51-81. | | 3 |
| 48 | Pathogenic D76N Variant of Î²2-Microglobulin: Synergy of Diverse Effects in Both the Native and Amyloid States. Biology, 2021, 10, 1197. | 1.3 | 3 |
| 49 | Absolute Quantitation of Serum Antibody Reactivity Using the Richards Growth Model for Antigen Microspot Titration. Sensors, 2022, 22, 3962. | 2.1 | 2 |
| 50 | Probing calmodulin - peptide interactions of different species with the same target peptide. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s203-s203. | 0.0 | 1 |
| 51 | Contributory presentations/posters. Journal of Biosciences, 1999, 24, 33-198. | 0.5 | 0 |
| 52 | New Aspects of Lipid-Protein Interactions Revealed by Calmodulin Binding to the Lipid Mediator Sphingosylphosphorylcholine. Biophysical Journal, 2010, 98, 675a. | 0.2 | 0 |