# LÃ¡szlÃ³ Hunyady

List of Publications by Year
in descending order



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|---|---|---|---|
| 62 papers | 3,023 citations | 218677 26 h-index | 161849 54 g-index |
| 63 all docs | 63 docs citations | 63 times ranked | 3505 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Functional Rescue of a Nephrogenic Diabetes Insipidus Causing Mutation in the V2 Vasopressin Receptor by Specific Antagonist and Agonist Pharmacochaperones. Frontiers in Pharmacology, 2022, 13, 811836. | 3.5 | 6 |
| 2 | Computational drug repurposing against SARS-CoV-2 reveals plasma membrane cholesterol depletion as key factor of antiviral drug activity. PLoS Computational Biology, 2022, 18, e1010021. | 3.2 | 8 |
| 3 | A general method for quantifying ligand binding to unmodified receptors using Gaussia luciferase. Journal of Biological Chemistry, 2021, 296, 100366. | 3.4 | 8 |
| 4 | Angiotensin II-Induced Cardiac Effects Are Modulated by Endocannabinoid-Mediated CB1 Receptor Activation. Cells, 2021, 10, 724. | 4.1 | 9 |
| 5 | Impact of Medium-Sized Extracellular Vesicles on the Transduction Efficiency of Adeno-Associated Viruses in Neuronal and Primary Astrocyte Cell Cultures. International Journal of Molecular Sciences, 2021, 22, 4221. | 4.1 | 3 |
| 6 | Disruption of the NOX5 Gene Aggravates Atherosclerosis in Rabbits. Circulation Research, 2021, 128, 1320-1322. | 4.5 | 15 |
| 7 | Biased Coupling to Î²-Arrestin of Two Common Variants of the CB2 Cannabinoid Receptor. Frontiers in Endocrinology, 2021, 12, 714561. | 3.5 | 10 |
| 8 | Optimization of the Heterologous Expression of the Cannabinoid Type-1 (CB1) Receptor. Frontiers in Endocrinology, 2021, 12, 740913. | 3.5 | 2 |
| 9 | PharmacoSTORM nanoscale pharmacology reveals cariprazine binding on Islands of Calleja granule cells. Nature Communications, 2021, 12, 6505. | 12.8 | 24 |
| 10 | Characterization of Type 1 Angiotensin II Receptor Activation Induced Dual-Specificity MAPK Phosphatase Gene Expression Changes in Rat Vascular Smooth Muscle Cells. Cells, 2021, 10, 3538. | 4.1 | 6 |
| 11 | Editorial: Hormone Action and Signal Transduction in Endocrine Physiology and Disease. Frontiers in Endocrinology, 2020, 11, 589. | 3.5 | 0 |
| 12 | The Role of Î²-Arrestin Proteins in Organization of Signaling and Regulation of the AT1 Angiotensin Receptor. Frontiers in Endocrinology, 2019, 10, 519. | 3.5 | 34 |
| 13 | Development of Nonspecific BRET-Based Biosensors to Monitor Plasma Membrane Inositol Lipids in Living Cells. Methods in Molecular Biology, 2019, 1949, 23-34. | 0.9 | 5 |
| 14 | Nephrogenic Diabetes Insipidus. Experientia Supplementum (2012), 2019, 111, 317-339. | 0.9 | 5 |
| 15 | Novel mechanisms of G-protein-coupled receptors functions: AT1 angiotensin receptor acts as a signaling hub and focal point of receptor cross-talk. Best Practice and Research in Clinical Endocrinology and Metabolism, 2018, 32, 69-82. | 4.7 | 43 |
| 16 | Control of myogenic tone and agonist induced contraction of intramural coronary resistance arterioles by cannabinoid type 1 receptors and endocannabinoids. Prostaglandins and Other Lipid Mediators, 2018, 134, 77-83. | 1.9 | 11 |
| 17 | Heterologous phosphorylationâ€"induced formation of a stability lock permits regulation of inactive receptors by Î²-arrestins. Journal of Biological Chemistry, 2018, 293, 876-892. | 3.4 | 45 |
| 18 | Differential manipulation of arrestin-3 binding to basal and agonist-activated G protein-coupled receptors. Cellular Signalling, 2017, 36, 98-107. | 3.6 | 13 |

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| --- | --- | --- | --- |
| 19 | Angiotensin type 1A receptor regulates Î²-arrestin binding of the Î²2-adrenergic receptor via heterodimerization. Molecular and Cellular Endocrinology, 2017, 442, 113-124. | 3.2 | 22 |
| 20 | Plasma membrane phosphatidylinositol 4-phosphate and 4,5-bisphosphate determine the distribution and function of K-Ras4B but not H-Ras proteins. Journal of Biological Chemistry, 2017, 292, 18862-18877. | 3.4 | 25 |
| 21 | Signaling Interactions in the Adrenal Cortex. Frontiers in Endocrinology, 2016, 7, 17. | 3.5 | 26 |
| 22 | BRET-monitoring of the dynamic changes of inositol lipid pools in living cells reveals a PKC-dependent PtdIns4P increase upon EGF and M3 receptor activation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 177-187. | 2.4 | 44 |
| 23 | Endocannabinoid-mediated modulation of Gq/11 protein-coupled receptor signaling-induced vasoconstriction and hypertension. Molecular and Cellular Endocrinology, 2015, 403, 46-56. | 3.2 | 31 |
| 24 | Investigation of the Fate of Type I Angiotensin Receptor after Biased Activation. Molecular Pharmacology, 2015, 87, 972-981. | 2.3 | 26 |
| 25 | Mutations in the â€˜DRYâ€™ motif of the CB1 cannabinoid receptor result in biased receptor variants. Journal of Molecular Endocrinology, 2015, 54, 75-89. | 2.5 | 33 |
| 26 | Mutation in the V2 vasopressin receptor gene, AVPR2, causes nephrogenic syndrome of inappropriate diuresis. Kidney International, 2015, 88, 1070-1078. | 5.2 | 47 |
| 27 | Measurement of Inositol 1,4,5-Trisphosphate in Living Cells Using an Improved Set of Resonance Energy Transfer-Based Biosensors. PLoS ONE, 2015, 10, e0125601. | 2.5 | 19 |
| 28 | Characterization of the Inherited I130N Substitution in V2 Vasopressin Receptor Revealed a Gainâ€ofâ€Function Mutation Leading to NSIAD. FASEB Journal, 2015, 29, 809.8. | 0.5 | 0 |
| 29 | Improved Methodical Approach for Quantitative BRET Analysis of G Protein Coupled Receptor Dimerization. PLoS ONE, 2014, 9, e109503. | 2.5 | 32 |
| 30 | Altered Agonist Sensitivity of a Mutant V2 Receptor Suggests a Novel Therapeutic Strategy for Nephrogenic Diabetes Insipidus. Molecular Endocrinology, 2014, 28, 634-643. | 3.7 | 15 |
| 31 | Distribution and Apoptotic Function of Outer Membrane Proteins Depend on Mitochondrial Fusion. Molecular Cell, 2014, 54, 870-878. | 9.7 | 48 |
| 32 | Angiotensin II-induced activation of central AT1 receptors exerts endocannabinoid-mediated gastroprotective effect in rats. Molecular and Cellular Endocrinology, 2014, 382, 971-978. | 3.2 | 13 |
| 33 | Hypothyroidism-associated missense mutation impairs NADPH oxidase activity and intracellular trafficking of Duox2. Free Radical Biology and Medicine, 2014, 73, 190-200. | 2.9 | 19 |
| 34 | Differential Î²-arrestin2 requirements for constitutive and agonist-induced internalization of the CB1 cannabinoid receptor. Molecular and Cellular Endocrinology, 2013, 372, 116-127. | 3.2 | 43 |
| 35 | Differential Î²â€arrestin2 requirements of constitutive and agonistâ€induced internalization of the CB1 cannabinoid receptor. FASEB Journal, 2013, 27, 1172.9. | 0.5 | 0 |
| 36 | The Effect of Phosphatidylinositol 4,5â€bisphosphate Depletion on the Internalization of G Proteinâ€coupled Receptors. FASEB Journal, 2013, 27, 1050.2. | 0.5 | 0 |

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| 37 | Acute depletion of plasma membrane Phosphatidylinositol 4,5-bisphosphate impairs specific steps in G protein-coupled receptor endocytosis. Journal of Cell Science, 2012, 125, 2185-97. | 2.0 | 44 |
| 38 | Angiotensin II Induces Vascular Endocannabinoid Release, Which Attenuates Its Vasoconstrictor Effect via CB1 Cannabinoid Receptors. Journal of Biological Chemistry, 2012, 287, 31540-31550. | 3.4 | 47 |
| 39 | Acute depletion of plasma membrane phosphatidylinositol 4,5-bisphosphate impairs specific steps in endocytosis of the G-protein-coupled receptor. Journal of Cell Science, 2012, 125, 3013-3013. | 2.0 | 13 |
| 40 | Mapping of the Localization of Type 1 Angiotensin Receptor in Membrane Microdomains Using Bioluminescence Resonance Energy Transfer-based Sensors. Journal of Biological Chemistry, 2012, 287, 9090-9099. | 3.4 | 21 |
| 41 | Allosteric interactions within the AT1 angiotensin receptor homodimer: Role of the conserved DRY motif. Biochemical Pharmacology, 2012, 84, 477-485. | 4.4 | 38 |
| 42 | Study of the Compartmentalization of Type 1 Angiotensin Receptor Using Bioluminescence Resonance Energy Transferâ€based Sensors. FASEB Journal, 2012, 26, lb174. | 0.5 | 0 |
| 43 | Demonstration of Angiotensin II-induced Ras Activation in the trans-Golgi Network and Endoplasmic Reticulum Using Bioluminescence Resonance Energy Transfer-based Biosensors. Journal of Biological Chemistry, 2011, 286, 5319-5327. | 3.4 | 7 |
| 44 | Functional interactions within the angiotensin AT1 receptor oligomers â€•the role of the conserved DRY motif. FASEB Journal, 2011, 25, lb406. | 0.5 | 0 |
| 45 | Detection of angiotensin IIâ€induced Ras activation in the transâ€Golgi network and the endoplasmic reticulum using BRETâ€based biosensors. FASEB Journal, 2011, 25, lb131. | 0.5 | 0 |
| 46 | Paracrine Transactivation of the CB1 Cannabinoid Receptor by AT1 Angiotensin and Other Gq/11 Protein-coupled Receptors. Journal of Biological Chemistry, 2009, 284, 16914-16921. | 3.4 | 53 |
| 47 | Mechanism of Angiotensin II-induced Superoxide Production in Cells Reconstituted with Angiotensin Type 1 Receptor and the Components of NADPH Oxidase. Journal of Biological Chemistry, 2008, 283, 255-267. | 3.4 | 54 |
| 48 | The Role of Diacylglycerol Lipase in Constitutive and Angiotensin AT1 Receptor-stimulated Cannabinoid CB1 Receptor Activity. Journal of Biological Chemistry, 2007, 282, 7753-7757. | 3.4 | 70 |
| 49 | Visualization and Manipulation of Plasma Membrane-Endoplasmic Reticulum Contact Sites Indicates the Presence of Additional Molecular Components within the STIM1-Orai1 Complex. Journal of Biological Chemistry, 2007, 282, 29678-29690. | 3.4 | 228 |
| 50 | Cross-inhibition of angiotensin AT1 receptors supports the concept of receptor oligomerization. Neurochemistry International, 2007, 51, 261-267. | 3.8 | 19 |
| 51 | Pleiotropic AT1 Receptor Signaling Pathways Mediating Physiological and Pathogenic Actions of Angiotensin II. Molecular Endocrinology, 2006, 20, 953-970. | 3.7 | 483 |
| 52 | Unusual presentation of multiple endocrine neoplasia type 1 in a young woman with a novel mutation of the MEN1 gene. Journal of Human Genetics, 2004, 49, 380-386. | 2.3 | 6 |
| 53 | Intracellular trafficking of hormone receptors. Trends in Endocrinology and Metabolism, 2004, 15, 286-293. | 7.1 | 82 |
| 54 | The role of the AT1 angiotensin receptor in cardiac hypertrophy: angiotensin II receptor or stretch sensor?. Trends in Endocrinology and Metabolism, 2004, 15, 405-408. | 7.1 | 26 |

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| 55 | Structural determinants of agonist-induced signaling and regulation of the angiotensin AT1 receptor. Molecular and Cellular Endocrinology, 2004, 217, 89-100. | 3.2 | 13 |
| 56 | Agonist induction and conformational selection during activation of a G-protein-coupled receptor. Trends in Pharmacological Sciences, 2003, 24, 81-86. | 8.7 | 60 |
| 57 | 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. | 7.1 | 620 |
| 58 | The Role of a Conserved Region of the Second Intracellular Loop in AT1 Angiotensin Receptor Activation and Signaling. Endocrinology, 2003, 144, 2220-2228. | 2.8 | 102 |
| 59 | Angiotensin IV Is a Potent Agonist for Constitutive Active Human AT1 Receptors. Journal of Biological Chemistry, 2002, 277, 23107-23110. | 3.4 | 75 |
| 60 | Î²-Arrestin- and Dynamin-Dependent Endocytosis of the AT1 Angiotensin Receptor. Molecular Pharmacology, 2001, 59, 239-247. | 2.3 | 107 |
| 61 | Mechanisms and functions of AT1 angiotensin receptor internalization. Regulatory Peptides, 2000, 91, 29-44. | 1.9 | 98 |
| 62 | Agonist-Induced Phosphorylation of the Angiotensin AT<sub>1a</sub>Receptor Is Localized to a Serine/Threonine-Rich Region of Its Cytoplasmic Tail. Molecular Pharmacology, 1998, 54, 935-941. | 2.3 | 67 |