

László 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	Independent β -arrestin 2 and G protein-mediated pathways for angiotensin II activation of extracellular signal-regulated kinases 1 and 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10782-10787.	7.1	620
2	Pleiotropic AT1 Receptor Signaling Pathways Mediating Physiological and Pathogenic Actions of Angiotensin II. <i>Molecular Endocrinology</i> , 2006, 20, 953-970.	3.7	483
3	Visualization and Manipulation of Plasma Membrane-Endoplasmic Reticulum Contact Sites Indicates the Presence of Additional Molecular Components within the STIM1-Orai1 Complex. <i>Journal of Biological Chemistry</i> , 2007, 282, 29678-29690.	3.4	228
4	β -Arrestin- and Dynamin-Dependent Endocytosis of the AT1 Angiotensin Receptor. <i>Molecular Pharmacology</i> , 2001, 59, 239-247.	2.3	107
5	The Role of a Conserved Region of the Second Intracellular Loop in AT1 Angiotensin Receptor Activation and Signaling. <i>Endocrinology</i> , 2003, 144, 2220-2228.	2.8	102
6	Mechanisms and functions of AT1 angiotensin receptor internalization. <i>Regulatory Peptides</i> , 2000, 91, 29-44.	1.9	98
7	Intracellular trafficking of hormone receptors. <i>Trends in Endocrinology and Metabolism</i> , 2004, 15, 286-293.	7.1	82
8	Angiotensin IV Is a Potent Agonist for Constitutive Active Human AT1 Receptors. <i>Journal of Biological Chemistry</i> , 2002, 277, 23107-23110.	3.4	75
9	The Role of Diacylglycerol Lipase in Constitutive and Angiotensin AT1 Receptor-stimulated Cannabinoid CB1 Receptor Activity. <i>Journal of Biological Chemistry</i> , 2007, 282, 7753-7757.	3.4	70
10	Agonist-Induced Phosphorylation of the Angiotensin AT _{1a} Receptor Is Localized to a Serine/Threonine-Rich Region of Its Cytoplasmic Tail. <i>Molecular Pharmacology</i> , 1998, 54, 935-941.	2.3	67
11	Agonist induction and conformational selection during activation of a G-protein-coupled receptor. <i>Trends in Pharmacological Sciences</i> , 2003, 24, 81-86.	8.7	60
12	Mechanism of Angiotensin II-induced Superoxide Production in Cells Reconstituted with Angiotensin Type 1 Receptor and the Components of NADPH Oxidase. <i>Journal of Biological Chemistry</i> , 2008, 283, 255-267.	3.4	54
13	Paracrine Transactivation of the CB1 Cannabinoid Receptor by AT1 Angiotensin and Other Gq/11 Protein-coupled Receptors. <i>Journal of Biological Chemistry</i> , 2009, 284, 16914-16921.	3.4	53
14	Distribution and Apoptotic Function of Outer Membrane Proteins Depend on Mitochondrial Fusion. <i>Molecular Cell</i> , 2014, 54, 870-878.	9.7	48
15	Angiotensin II Induces Vascular Endocannabinoid Release, Which Attenuates Its Vasoconstrictor Effect via CB1 Cannabinoid Receptors. <i>Journal of Biological Chemistry</i> , 2012, 287, 31540-31550.	3.4	47
16	Mutation in the V2 vasopressin receptor gene, AVPR2, causes nephrogenic syndrome of inappropriate diuresis. <i>Kidney International</i> , 2015, 88, 1070-1078.	5.2	47
17	Heterologous phosphorylation-induced formation of a stability lock permits regulation of inactive receptors by β -arrestins. <i>Journal of Biological Chemistry</i> , 2018, 293, 876-892.	3.4	45
18	Acute depletion of plasma membrane Phosphatidylinositol 4,5-bisphosphate impairs specific steps in G protein-coupled receptor endocytosis. <i>Journal of Cell Science</i> , 2012, 125, 2185-97.	2.0	44

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19	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. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 177-187.	2.4	44
20	Differential $\hat{\beta}$ -arrestin2 requirements for constitutive and agonist-induced internalization of the CB1 cannabinoid receptor. <i>Molecular and Cellular Endocrinology</i> , 2013, 372, 116-127.	3.2	43
21	Novel mechanisms of G-protein-coupled receptors functions: AT1 angiotensin receptor acts as a signaling hub and focal point of receptor cross-talk. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2018, 32, 69-82.	4.7	43
22	Allosteric interactions within the AT1 angiotensin receptor homodimer: Role of the conserved DRY motif. <i>Biochemical Pharmacology</i> , 2012, 84, 477-485.	4.4	38
23	The Role of $\hat{\beta}$ -Arrestin Proteins in Organization of Signaling and Regulation of the AT1 Angiotensin Receptor. <i>Frontiers in Endocrinology</i> , 2019, 10, 519.	3.5	34
24	Mutations in the $\hat{\beta}$ -DRY TM motif of the CB1 cannabinoid receptor result in biased receptor variants. <i>Journal of Molecular Endocrinology</i> , 2015, 54, 75-89.	2.5	33
25	Improved Methodical Approach for Quantitative BRET Analysis of G Protein Coupled Receptor Dimerization. <i>PLoS ONE</i> , 2014, 9, e109503.	2.5	32
26	Endocannabinoid-mediated modulation of Gq/11 protein-coupled receptor signaling-induced vasoconstriction and hypertension. <i>Molecular and Cellular Endocrinology</i> , 2015, 403, 46-56.	3.2	31
27	The role of the AT1 angiotensin receptor in cardiac hypertrophy: angiotensin II receptor or stretch sensor?. <i>Trends in Endocrinology and Metabolism</i> , 2004, 15, 405-408.	7.1	26
28	Investigation of the Fate of Type I Angiotensin Receptor after Biased Activation. <i>Molecular Pharmacology</i> , 2015, 87, 972-981.	2.3	26
29	Signaling Interactions in the Adrenal Cortex. <i>Frontiers in Endocrinology</i> , 2016, 7, 17.	3.5	26
30	Plasma membrane phosphatidylinositol 4-phosphate and 4,5-bisphosphate determine the distribution and function of K-Ras4B but not H-Ras proteins. <i>Journal of Biological Chemistry</i> , 2017, 292, 18862-18877.	3.4	25
31	PharmacoSTORM nanoscale pharmacology reveals cariprazine binding on Islands of Calleja granule cells. <i>Nature Communications</i> , 2021, 12, 6505.	12.8	24
32	Angiotensin type 1A receptor regulates $\hat{\beta}$ -arrestin binding of the $\hat{\beta}$ 2-adrenergic receptor via heterodimerization. <i>Molecular and Cellular Endocrinology</i> , 2017, 442, 113-124.	3.2	22
33	Mapping of the Localization of Type 1 Angiotensin Receptor in Membrane Microdomains Using Bioluminescence Resonance Energy Transfer-based Sensors. <i>Journal of Biological Chemistry</i> , 2012, 287, 9090-9099.	3.4	21
34	Cross-inhibition of angiotensin AT1 receptors supports the concept of receptor oligomerization. <i>Neurochemistry International</i> , 2007, 51, 261-267.	3.8	19
35	Hypothyroidism-associated missense mutation impairs NADPH oxidase activity and intracellular trafficking of Duox2. <i>Free Radical Biology and Medicine</i> , 2014, 73, 190-200.	2.9	19
36	Measurement of Inositol 1,4,5-Trisphosphate in Living Cells Using an Improved Set of Resonance Energy Transfer-Based Biosensors. <i>PLoS ONE</i> , 2015, 10, e0125601.	2.5	19

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37	Altered Agonist Sensitivity of a Mutant V2 Receptor Suggests a Novel Therapeutic Strategy for Nephrogenic Diabetes Insipidus. <i>Molecular Endocrinology</i> , 2014, 28, 634-643.	3.7	15
38	Disruption of the NOX5 Gene Aggravates Atherosclerosis in Rabbits. <i>Circulation Research</i> , 2021, 128, 1320-1322.	4.5	15
39	Structural determinants of agonist-induced signaling and regulation of the angiotensin AT1 receptor. <i>Molecular and Cellular Endocrinology</i> , 2004, 217, 89-100.	3.2	13
40	Acute depletion of plasma membrane phosphatidylinositol 4,5-bisphosphate impairs specific steps in endocytosis of the G-protein-coupled receptor. <i>Journal of Cell Science</i> , 2012, 125, 3013-3013.	2.0	13
41	Angiotensin II-induced activation of central AT1 receptors exerts endocannabinoid-mediated gastroprotective effect in rats. <i>Molecular and Cellular Endocrinology</i> , 2014, 382, 971-978.	3.2	13
42	Differential manipulation of arrestin-3 binding to basal and agonist-activated G protein-coupled receptors. <i>Cellular Signalling</i> , 2017, 36, 98-107.	3.6	13
43	Control of myogenic tone and agonist induced contraction of intramural coronary resistance arterioles by cannabinoid type 1 receptors and endocannabinoids. <i>Prostaglandins and Other Lipid Mediators</i> , 2018, 134, 77-83.	1.9	11
44	Biased Coupling to β -Arrestin of Two Common Variants of the CB2 Cannabinoid Receptor. <i>Frontiers in Endocrinology</i> , 2021, 12, 714561.	3.5	10
45	Angiotensin II-Induced Cardiac Effects Are Modulated by Endocannabinoid-Mediated CB1 Receptor Activation. <i>Cells</i> , 2021, 10, 724.	4.1	9
46	A general method for quantifying ligand binding to unmodified receptors using Gaussia luciferase. <i>Journal of Biological Chemistry</i> , 2021, 296, 100366.	3.4	8
47	Computational drug repurposing against SARS-CoV-2 reveals plasma membrane cholesterol depletion as key factor of antiviral drug activity. <i>PLoS Computational Biology</i> , 2022, 18, e1010021.	3.2	8
48	Demonstration of Angiotensin II-induced Ras Activation in the trans-Golgi Network and Endoplasmic Reticulum Using Bioluminescence Resonance Energy Transfer-based Biosensors. <i>Journal of Biological Chemistry</i> , 2011, 286, 5319-5327.	3.4	7
49	Unusual presentation of multiple endocrine neoplasia type 1 in a young woman with a novel mutation of the MEN1 gene. <i>Journal of Human Genetics</i> , 2004, 49, 380-386.	2.3	6
50	Characterization of Type 1 Angiotensin II Receptor Activation Induced Dual-Specificity MAPK Phosphatase Gene Expression Changes in Rat Vascular Smooth Muscle Cells. <i>Cells</i> , 2021, 10, 3538.	4.1	6
51	Functional Rescue of a Nephrogenic Diabetes Insipidus Causing Mutation in the V2 Vasopressin Receptor by Specific Antagonist and Agonist Pharmacochaperones. <i>Frontiers in Pharmacology</i> , 2022, 13, 811836.	3.5	6
52	Development of Nonspecific BRET-Based Biosensors to Monitor Plasma Membrane Inositol Lipids in Living Cells. <i>Methods in Molecular Biology</i> , 2019, 1949, 23-34.	0.9	5
53	Nephrogenic Diabetes Insipidus. <i>Experientia Supplementum (2012)</i> , 2019, 111, 317-339.	0.9	5
54	Impact of Medium-Sized Extracellular Vesicles on the Transduction Efficiency of Adeno-Associated Viruses in Neuronal and Primary Astrocyte Cell Cultures. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4221.	4.1	3

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55	Optimization of the Heterologous Expression of the Cannabinoid Type-1 (CB1) Receptor. <i>Frontiers in Endocrinology</i> , 2021, 12, 740913.	3.5	2
56	Editorial: Hormone Action and Signal Transduction in Endocrine Physiology and Disease. <i>Frontiers in Endocrinology</i> , 2020, 11, 589.	3.5	0
57	Functional interactions within the angiotensin AT1 receptor oligomers – the role of the conserved DRY motif. <i>FASEB Journal</i> , 2011, 25, lb406.	0.5	0
58	Detection of angiotensin II-induced Ras activation in the trans-Golgi network and the endoplasmic reticulum using BRET-based biosensors. <i>FASEB Journal</i> , 2011, 25, lb131.	0.5	0
59	Study of the Compartmentalization of Type 1 Angiotensin Receptor Using Bioluminescence Resonance Energy Transfer-based Sensors. <i>FASEB Journal</i> , 2012, 26, lb174.	0.5	0
60	Differential β -arrestin2 requirements of constitutive and agonist-induced internalization of the CB1 cannabinoid receptor. <i>FASEB Journal</i> , 2013, 27, 1172.9.	0.5	0
61	The Effect of Phosphatidylinositol 4,5-bisphosphate Depletion on the Internalization of G Protein-coupled Receptors. <i>FASEB Journal</i> , 2013, 27, 1050.2.	0.5	0
62	Characterization of the Inherited I130N Substitution in V2 Vasopressin Receptor Revealed a Gain-of-Function Mutation Leading to NSIAD. <i>FASEB Journal</i> , 2015, 29, 809.8.	0.5	0