

László Buday

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

6,590
citations

236925

25
h-index

168389

53
g-index

56
all docs

56
docs citations

56
times ranked

7870
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of Sos Ras exchange protein with Grb2 is implicated in tyrosine kinase signal transduction and transformation. <i>Nature</i> , 1993, 363, 45-51.	27.8	1,260
2	Accurate secondary structure prediction and fold recognition for circular dichroism spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3095-103.	7.1	1,215
3	Epidermal growth factor regulates p21ras through the formation of a complex of receptor, Grb2 adapter protein, and Sos nucleotide exchange factor. <i>Cell</i> , 1993, 73, 611-620.	28.9	1,082
4	BeStSel: a web server for accurate protein secondary structure prediction and fold recognition from the circular dichroism spectra. <i>Nucleic Acids Research</i> , 2018, 46, W315-W322.	14.5	771
5	Structural disorder throws new light on moonlighting. <i>Trends in Biochemical Sciences</i> , 2005, 30, 484-489.	7.5	430
6	The Nck family of adapter proteins. <i>Cellular Signalling</i> , 2002, 14, 723-731.	3.6	217
7	Many faces of Ras activation. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2008, 1786, 178-187.	7.4	149
8	Interactions of Cbl with Two Adaptor Proteins, Grb2 and Crk, upon T Cell Activation. <i>Journal of Biological Chemistry</i> , 1996, 271, 6159-6163.	3.4	128
9	Membrane-targeting of signalling molecules by SH2/SH3 domain-containing adaptor proteins. <i>BBA - Biomembranes</i> , 1999, 1422, 187-204.	8.0	117
10	Mechanism of Epidermal Growth Factor Regulation of Vav2, a Guanine Nucleotide Exchange Factor for Rac. <i>Journal of Biological Chemistry</i> , 2003, 278, 5163-5171.	3.4	100
11	Association of Nck with tyrosine-phosphorylated SLP-76 in activated T lymphocytes. <i>European Journal of Immunology</i> , 1999, 29, 1068-1075.	2.9	95
12	The signaling pathway of Campylobacter jejuni-induced Cdc42 activation: Role of fibronectin, integrin beta1, tyrosine kinases and guanine exchange factor Vav2. <i>Cell Communication and Signaling</i> , 2011, 9, 32.	6.5	75
13	Functional classification of scaffold proteins and related molecules. <i>FEBS Journal</i> , 2010, 277, 4348-4355.	4.7	70
14	Phosphatidylinositol 3-kinase Contributes to Erk1/Erk2 MAP Kinase Activation Associated with Hepatocyte Growth Factor-induced Cell Scattering. <i>Cellular Signalling</i> , 1999, 11, 885-890.	3.6	66
15	High levels of structural disorder in scaffold proteins as exemplified by a novel neuronal protein, CASK-interactive protein1. <i>FEBS Journal</i> , 2009, 276, 3744-3756.	4.7	65
16	Roles of cortactin in tumor pathogenesis. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2007, 1775, 263-273.	7.4	62
17	Shrinkage-induced Protein Tyrosine Phosphorylation in Chinese Hamster Ovary Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 16670-16678.	3.4	46
18	Regulation of the Equilibrium between Closed and Open Conformations of Annexin A2 by N-Terminal Phosphorylation and S100A4-Binding. <i>Structure</i> , 2017, 25, 1195-1207.e5.	3.3	42

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19	Characterization of Interactions of Nck with Sos and Dynamin. <i>Cellular Signalling</i> , 1999, 11, 25-29.	3.6	40
20	The ERK1/2-Hepatocyte Nuclear Factor 4 β Axis Regulates Human ABCC6 Gene Expression in Hepatocytes. <i>Journal of Biological Chemistry</i> , 2010, 285, 22800-22808.	3.4	39
21	Requirement of multiple SH3 domains of Nck for ligand binding. <i>Cellular Signalling</i> , 1999, 11, 253-262.	3.6	36
22	The Homolog of the Five SH3-Domain Protein (HOF1/SH3PXD2B) Regulates Lamellipodia Formation and Cell Spreading. <i>PLoS ONE</i> , 2011, 6, e23653.	2.5	35
23	K153R polymorphism in myostatin gene increases the rate of promyostatin activation by furin. <i>FEBS Letters</i> , 2015, 589, 295-301.	2.8	34
24	Mechanism of Lysophosphatidic Acid-Induced Amyloid Fibril Formation of β 2-Microglobulin <i>in Vitro</i> under Physiological Conditions. <i>Biochemistry</i> , 2009, 48, 5689-5699.	2.5	29
25	Frank-ter Haar Syndrome Protein Tks4 Regulates Epidermal Growth Factor-dependent Cell Migration. <i>Journal of Biological Chemistry</i> , 2012, 287, 31321-31329.	3.4	28
26	Enhanced In Vitro Antitumor Activity of GnRH-III-Daunorubicin Bioconjugates Influenced by Sequence Modification. <i>Pharmaceutics</i> , 2018, 10, 223.	4.5	21
27	The scaffold protein Tks4 is required for the differentiation of mesenchymal stromal cells (MSCs) into adipogenic and osteogenic lineages. <i>Scientific Reports</i> , 2016, 6, 34280.	3.3	20
28	Membrane-targeting is critical for the phosphorylation of Vav2 by activated EGF receptor. <i>Cellular Signalling</i> , 2001, 13, 475-481.	3.6	19
29	Synthesis and in vitro biochemical evaluation of oxime bond-linked daunorubicin-GnRH-III conjugates developed for targeted drug delivery. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 756-771.	2.2	19
30	Dendritic spine morphology and memory formation depend on postsynaptic Caskin proteins. <i>Scientific Reports</i> , 2019, 9, 16843.	3.3	19
31	Complex formation of EphB1/Nck/Caskin1 leads to tyrosine phosphorylation and structural changes of the Caskin1 SH3 domain. <i>Cell Communication and Signaling</i> , 2012, 10, 36.	6.5	18
32	Novel regulation of Ras proteins by direct tyrosine phosphorylation and dephosphorylation. <i>Cancer and Metastasis Reviews</i> , 2020, 39, 1067-1073.	5.9	18
33	Disordered-Ordered Protein Binary Classification by Circular Dichroism Spectroscopy. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 863141.	3.5	18
34	Phorbol ester-induced migration of HepG2 cells is accompanied by intensive stress fibre formation, enhanced integrin expression and transient down-regulation of p21-activated kinase 1. <i>Cellular Signalling</i> , 2003, 15, 307-318.	3.6	17
35	EGF Regulates the Interaction of Tks4 with Src through Its SH2 and SH3 Domains. <i>Biochemistry</i> , 2018, 57, 4186-4196.	2.5	17
36	EGF regulates tyrosine phosphorylation and membrane-translocation of the scaffold protein Tks5. <i>Journal of Molecular Signaling</i> , 2013, 8, 8.	0.5	16

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37	Advances in Understanding TKS4 and TKS5: Molecular Scaffolds Regulating Cellular Processes from Podosome and Invadopodium Formation to Differentiation and Tissue Homeostasis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8117.	4.1	15
38	T cell specific adaptor protein (TSAd) promotes interaction of Nck with Lck and SLP-76 in T cells. <i>Cell Communication and Signaling</i> , 2015, 13, 31.	6.5	14
39	Cortactin is required for integrin-mediated cell spreading. <i>Immunology Letters</i> , 2006, 104, 124-130.	2.5	13
40	Multiple fuzzy interactions in the moonlighting function of thymosin- β 4. <i>Intrinsically Disordered Proteins</i> , 2013, 1, e26204.	1.9	12
41	Structural insights into the tyrosine phosphorylation-mediated inhibition of SH3 domain-ligand interactions. <i>Journal of Biological Chemistry</i> , 2019, 294, 4608-4620.	3.4	12
42	Interplay of Structural Disorder and Short Binding Elements in the Cellular Chaperone Function of Plant Dehydrin ERD14. <i>Cells</i> , 2020, 9, 1856.	4.1	12
43	Significance of the Tks4 scaffold protein in bone tissue homeostasis. <i>Scientific Reports</i> , 2019, 9, 5781.	3.3	11
44	Cellular Chaperone Function of Intrinsically Disordered Dehydrin ERD14. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6190.	4.1	11
45	Absence of the Tks4 Scaffold Protein Induces Epithelial-Mesenchymal Transition-Like Changes in Human Colon Cancer Cells. <i>Cells</i> , 2019, 8, 1343.	4.1	10
46	Disordered Regions of Mixed Lineage Leukemia 4 (MLL4) Protein Are Capable of RNA Binding. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3478.	4.1	9
47	Protein kinase C modulates negatively the hepatocyte growth factor-induced migration, integrin expression and phosphatidylinositol 3-kinase activation. <i>Cellular Signalling</i> , 2004, 16, 505-513.	3.6	8
48	The SH3 domain of Caskin1 binds to lysophosphatidic acid suggesting a direct role for the lipid in intracellular signaling. <i>Cellular Signalling</i> , 2017, 32, 66-75.	3.6	8
49	Analysis of Tks4 Knockout Mice Suggests a Role for Tks4 in Adipose Tissue Homeostasis in the Context of Beigeing. <i>Cells</i> , 2019, 8, 831.	4.1	7
50	Novel Roles of SH2 and SH3 Domains in Lipid Binding. <i>Cells</i> , 2021, 10, 1191.	4.1	6
51	Accumulation of the PX domain mutant Frank-ter Haar syndrome protein Tks4 in aggresomes. <i>Cell Communication and Signaling</i> , 2015, 13, 33.	6.5	4
52	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. <i>Cells</i> , 2021, 10, 173.	4.1	3
53	Characterization of the Intramolecular Interactions and Regulatory Mechanisms of the Scaffold Protein Tks4. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8103.	4.1	2
54	RAS Activation. , 2011, , 3176-3178.		0

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55	RAS Activation. , 2014, , 1-4.		0
56	RAS Activation. , 2016, , 3911-3914.		0