

Vladimír Saudek

List of Publications by Year in descending order

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49
papers

7,866
citations

201674

27
h-index

189892

50
g-index

54
all docs

54
docs citations

54
times ranked

10088
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenotypic characterization of Adig null mice suggests roles for adipogenin in the regulation of fat mass accrual and leptin secretion. <i>Cell Reports</i> , 2021, 34, 108810.	6.4	9
2	Murine neuronatin deficiency is associated with a hypervariable food intake and bimodal obesity. <i>Scientific Reports</i> , 2021, 11, 17571.	3.3	5
3	GDF15: A Hormone Conveying Somatic Distress to the Brain. <i>Endocrine Reviews</i> , 2020, 41, .	20.1	109
4	Dual binding motifs underpin the hierarchical association of perilipins1â€³ with lipid droplets. <i>Molecular Biology of the Cell</i> , 2019, 30, 703-716.	2.1	41
5	PCYT1A Regulates Phosphatidylcholine Homeostasis from the Inner Nuclear Membrane in Response to Membrane Stored Curvature Elastic Stress. <i>Developmental Cell</i> , 2018, 45, 481-495.e8.	7.0	99
6	FICD acts bifunctionally to AMPylate and de-AMPylate the endoplasmic reticulum chaperone BiP. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 23-29.	8.2	81
7	Potential dual function of PQ-loop proteins such as cystinosin. <i>Journal of Biological Chemistry</i> , 2017, 292, 15133.	3.4	1
8	Obesity-associated gene <i>TMEM18</i> has a role in the central control of appetite and body weight regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9421-9426.	7.1	57
9	Conserved Amphipathic Helices Mediate Lipid Droplet Targeting of Perilipins 1â€³3. <i>Journal of Biological Chemistry</i> , 2016, 291, 6664-6678.	3.4	104
10	FTO is necessary for the induction of leptin resistance by high-fat feeding. <i>Molecular Metabolism</i> , 2015, 4, 287-298.	6.5	22
11	Clinical and Molecular Characterization of a Novel PLIN1 Frameshift Mutation Identified in Patients With Familial Partial Lipodystrophy. <i>Diabetes</i> , 2015, 64, 299-310.	0.6	57
12	Perilipin-related protein regulates lipid metabolism in <i>C. elegans</i> . <i>PeerJ</i> , 2015, 3, e1213.	2.0	25
13	Perilipins 2 and 3 lack a carboxy-terminal domain present in perilipin 1 involved in sequestering ABHD5 and suppressing basal lipolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9163-9168.	7.1	57
14	Mutations disrupting the Kennedy phosphatidylcholine pathway in humans with congenital lipodystrophy and fatty liver disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8901-8906.	7.1	125
15	Hypomorphism in human NSMCE2 linked to primordial dwarfism and insulin resistance. <i>Journal of Clinical Investigation</i> , 2014, 124, 4028-4038.	8.2	90
16	GEI-8, a Homologue of Vertebrate Nuclear Receptor Corepressor NCoR/SMRT, Regulates Gonad Development and Neuronal Functions in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2013, 8, e58462.	2.5	7
17	Cystinosin, MPDU1, SWEETs and KDELR Belong to a Well-Defined Protein Family with Putative Function of Cargo Receptors Involved in Vesicle Trafficking. <i>PLoS ONE</i> , 2012, 7, e30876.	2.5	46
18	Human Frame Shift Mutations Affecting the Carboxyl Terminus of Perilipin Increase Lipolysis by Failing to Sequester the Adipose Triglyceride Lipase (ATGL) Coactivator AB-hydrolase-containing 5 (ABHD5). <i>Journal of Biological Chemistry</i> , 2011, 286, 34998-35006.	3.4	85

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19	Endoplasmic reticulum stress-induced transcription factor, CHOP, is crucial for dendritic cell IL-23 expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17698-17703.	7.1	270
20	Prevalence of Loss-of-Function FTO Mutations in Lean and Obese Individuals. <i>Diabetes</i> , 2010, 59, 311-318.	0.6	93
21	Partial lipodystrophy and insulin resistant diabetes in a patient with a homozygous nonsense mutation in <i>CIDEA</i> . <i>EMBO Molecular Medicine</i> , 2009, 1, 280-287.	6.9	235
22	Acute intermittent porphyria—impact of mutations found in the hydroxymethylbilane synthase gene on biochemical and enzymatic protein properties. <i>FEBS Journal</i> , 2009, 276, 2106-2115.	4.7	12
23	Loss-of-Function Mutation in the Dioxygenase-Encoding FTO Gene Causes Severe Growth Retardation and Multiple Malformations. <i>American Journal of Human Genetics</i> , 2009, 85, 106-111.	6.2	340
24	Correlation between biochemical findings, structural and enzymatic abnormalities in mutated HMBS identified in six Israeli families with acute intermittent porphyria. <i>Blood Cells, Molecules, and Diseases</i> , 2009, 42, 167-173.	1.4	9
25	The Obesity-Associated <i>FTO</i> Gene Encodes a 2-Oxoglutarate-Dependent Nucleic Acid Demethylase. <i>Science</i> , 2007, 318, 1469-1472.	12.6	1,305
26	BIR-1, a <i>Caenorhabditis elegans</i> homologue of Survivin, regulates transcription and development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5240-5245.	7.1	12
27	Sequence Identification and Characterization of Human Carnosinase and a Closely Related Non-specific Dipeptidase. <i>Journal of Biological Chemistry</i> , 2003, 278, 6521-6531.	3.4	295
28	SKIP is an indispensable factor for <i>Caenorhabditis elegans</i> development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9254-9259.	7.1	27
29	Structure Activity Relationship by NMR and by Computer: A Comparative Study. <i>Journal of the American Chemical Society</i> , 2002, 124, 11073-11084.	13.7	27
30	Solution structure of a neurotrophic ligand bound to FKBP12 and its effects on protein dynamics. <i>FEBS Journal</i> , 2000, 267, 5342-5355.	0.2	38
31	Direct fitting of structure and chemical shift to NMR spectra. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 3319-3323.	1.7	7
32	⁷ Li Nuclear Magnetic Resonance Study of Lithium Binding to <i>Myo</i> -inositol Monophosphatase. <i>FEBS Journal</i> , 1996, 240, 288-291.	0.2	22
33	Stimulation of cGMP-dependent protein kinase alpha by a peptide from its own sequence. An investigation by enzymology, circular dichroism and ¹ H NMR of the activity and structure of cGMP-dependent protein kinase alpha-(546-576)-peptide amide. <i>FEBS Journal</i> , 1994, 221, 581-593.	0.2	7
34	Three-dimensional structure of acylphosphatase. <i>Journal of Molecular Biology</i> , 1992, 224, 427-440.	4.2	131
35	Gradient-tailored excitation for single-quantum NMR spectroscopy of aqueous solutions. <i>Journal of Biomolecular NMR</i> , 1992, 2, 661-665.	2.8	3,612
36	Structure of neuropeptide Y dimer in solution. <i>FEBS Journal</i> , 1992, 205, 1099-1106.	0.2	66

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37	Solution conformation of endothelin-3 by ¹ H NMR and distance geometry calculations. <i>Neurochemistry International</i> , 1991, 18, 491-496.	3.8	29
38	The secondary structure of echistatin from ¹ H-NMR, circular-dichroism and Raman spectroscopy. <i>FEBS Journal</i> , 1991, 202, 329-338.	0.2	43
39	Topological mirror images in protein structure computation: An underestimated problem. <i>Proteins: Structure, Function and Bioinformatics</i> , 1991, 10, 22-32.	2.6	33
40	Solution conformation of Endothelin-1 by ¹ H NMR, CD, and molecular modeling. <i>International Journal of Peptide and Protein Research</i> , 1991, 37, 174-179.	0.1	41
41	Solution structure of the DNA-binding domain of the yeast transcriptional activator protein GCN4. <i>Protein Engineering, Design and Selection</i> , 1990, 4, 3-10.	2.1	61
42	The sequence-specific assignment of the ¹ H-NMR spectrum of an enzyme, horse-muscle acylphosphatase. <i>FEBS Journal</i> , 1989, 182, 85-93.	0.2	19
43	Mobility of secondary structure units of horse-muscle acylphosphatase. Relation to antigenicity. <i>FEBS Journal</i> , 1989, 185, 99-103.	0.2	10
44	The structure and properties of horse muscle acylphosphatase in solution Mobility of antigenic and active site regions. <i>FEBS Letters</i> , 1989, 242, 225-232.	2.8	21
45	¹ H-NMR study of endothelin, sequence-specific assignment of the spectrum and a solution structure. <i>FEBS Letters</i> , 1989, 257, 145-148.	2.8	57
46	¹ H n.m.r. study of. <i>International Journal of Biological Macromolecules</i> , 1988, 10, 277-281.	7.5	3
47	Structure of polyelectrolyte solutions, SAXS study of poly(aspartic acid). <i>Collection of Czechoslovak Chemical Communications</i> , 1984, 49, 2586-2592.	1.0	1
48	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1982, 183, 1473-1484.	1.1	9
49	Immobilization of DNA on poly(glycidyl methacrylate-co-ethylene dimethacrylate), bead cellulose and sepharose. <i>Polymer Bulletin</i> , 1980, 2, 7-14.	3.3	7