

Vladimír Saudek

List of Publications by Year in descending order

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49
papers

7,866
citations

201385

27
h-index

189595

50
g-index

54
all docs

54
docs citations

54
times ranked

10088
citing authors

#	ARTICLE	IF	CITATIONS
1	Gradient-tailored excitation for single-quantum NMR spectroscopy of aqueous solutions. <i>Journal of Biomolecular NMR</i> , 1992, 2, 661-665.	1.6	3,612
2	The Obesity-Associated <i>FTO</i> Gene Encodes a 2-Oxoglutarate-Dependent Nucleic Acid Demethylase. <i>Science</i> , 2007, 318, 1469-1472.	6.0	1,305
3	Loss-of-Function Mutation in the Dioxygenase-Encoding <i>FTO</i> Gene Causes Severe Growth Retardation and Multiple Malformations. <i>American Journal of Human Genetics</i> , 2009, 85, 106-111.	2.6	340
4	Sequence Identification and Characterization of Human Carnosinase and a Closely Related Non-specific Dipeptidase. <i>Journal of Biological Chemistry</i> , 2003, 278, 6521-6531.	1.6	295
5	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.	3.3	270
6	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.	3.3	235
7	Three-dimensional structure of acylphosphatase. <i>Journal of Molecular Biology</i> , 1992, 224, 427-440.	2.0	131
8	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.	3.3	125
9	GDF15: A Hormone Conveying Somatic Distress to the Brain. <i>Endocrine Reviews</i> , 2020, 41, .	8.9	109
10	Conserved Amphipathic Helices Mediate Lipid Droplet Targeting of Perilipins 1-3. <i>Journal of Biological Chemistry</i> , 2016, 291, 6664-6678.	1.6	104
11	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.	3.1	99
12	Prevalence of Loss-of-Function <i>FTO</i> Mutations in Lean and Obese Individuals. <i>Diabetes</i> , 2010, 59, 311-318.	0.3	93
13	Hypomorphism in human <i>NSMCE2</i> linked to primordial dwarfism and insulin resistance. <i>Journal of Clinical Investigation</i> , 2014, 124, 4028-4038.	3.9	90
14	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.	1.6	85
15	FICD acts bifunctionally to AMPylate and de-AMPylate the endoplasmic reticulum chaperone BiP. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 23-29.	3.6	81
16	Structure of neuropeptide Y dimer in solution. <i>FEBS Journal</i> , 1992, 205, 1099-1106.	0.2	66
17	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.	1.0	61
18	1 H-NMR study of endothelin, sequence-specific assignment of the spectrum and a solution structure. <i>FEBS Letters</i> , 1989, 257, 145-148.	1.3	57

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19	Perilipins 2 and 3 lack a carboxy-terminal domain present in perilipin 1 involved in sequestering ABHD5 and suppressing basal lipolysis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9163-9168.	3.3	57
20	Clinical and Molecular Characterization of a Novel PLIN1 Frameshift Mutation Identified in Patients With Familial Partial Lipodystrophy. Diabetes, 2015, 64, 299-310.	0.3	57
21	Obesity-associated gene <i>TMEM18</i> has a role in the central control of appetite and body weight regulation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9421-9426.	3.3	57
22	Cystinosin, MPDU1, SWEETs and KDELr Belong to a Well-Defined Protein Family with Putative Function of Cargo Receptors Involved in Vesicle Trafficking. PLoS ONE, 2012, 7, e30876.	1.1	46
23	The secondary structure of echistatin from 1H-NMR, circular-dichroism and Raman spectroscopy. FEBS Journal, 1991, 202, 329-338.	0.2	43
24	Solution conformation of Endothelin-1 by ¹ H NMR, CD, and molecular modeling. International Journal of Peptide and Protein Research, 1991, 37, 174-179.	0.1	41
25	Dual binding motifs underpin the hierarchical association of perilipins1-3 with lipid droplets. Molecular Biology of the Cell, 2019, 30, 703-716.	0.9	41
26	Solution structure of a neurotrophic ligand bound to FKBP12 and its effects on protein dynamics. FEBS Journal, 2000, 267, 5342-5355.	0.2	38
27	Topological mirror images in protein structure computation: An underestimated problem. Proteins: Structure, Function and Bioinformatics, 1991, 10, 22-32.	1.5	33
28	Solution conformation of endothelin-3 by 1H NMR and distance geometry calculations. Neurochemistry International, 1991, 18, 491-496.	1.9	29
29	SKIP is an indispensable factor for Caenorhabditis elegans development. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9254-9259.	3.3	27
30	Structure Activity Relationship by NMR and by Computer: A Comparative Study. Journal of the American Chemical Society, 2002, 124, 11073-11084.	6.6	27
31	Perilipin-related protein regulates lipid metabolism in <i>C. elegans</i> . PeerJ, 2015, 3, e1213.	0.9	25
32	⁷ Li Nuclear Magnetic Resonance Study of Lithium Binding to <i>Myo</i> -inositol Monophosphatase. FEBS Journal, 1996, 240, 288-291.	0.2	22
33	FTO is necessary for the induction of leptin resistance by high-fat feeding. Molecular Metabolism, 2015, 4, 287-298.	3.0	22
34	The structure and properties of horse muscle acylphosphatase in solution Mobility of antigenic and active site regions. FEBS Letters, 1989, 242, 225-232.	1.3	21
35	The sequence-specific assignment of the 1H-NMR spectrum of an enzyme, horse-muscle acylphosphatase. FEBS Journal, 1989, 182, 85-93.	0.2	19
36	BIR-1, a Caenorhabditis elegans homologue of Survivin, regulates transcription and development. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5240-5245.	3.3	12

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37	Acute intermittent porphyriaâ€fâ€fâ€fimpact of mutations found in the hydroxymethylbilane synthase gene on biochemical and enzymatic protein properties. FEBS Journal, 2009, 276, 2106-2115.	2.2	12
38	Mobility of secondary structure units of horse-muscle acylphosphatase. Relation to antigenicity. FEBS Journal, 1989, 185, 99-103.	0.2	10
39	Title is missing!. Die Makromolekulare Chemie, 1982, 183, 1473-1484.	1.1	9
40	Correlation between biochemical findings, structural and enzymatic abnormalities in mutated HMBS identified in six Israeli families with acute intermittent porphyria. Blood Cells, Molecules, and Diseases, 2009, 42, 167-173.	0.6	9
41	Phenotypic characterization of Adig null mice suggests roles for adipogenin in the regulation of fat mass accrual and leptin secretion. Cell Reports, 2021, 34, 108810.	2.9	9
42	Immobilization of DNA on poly(glycidyl methacrylate-co-ethylene dimethacrylate), bead cellulose and sepharose. Polymer Bulletin, 1980, 2, 7-14.	1.7	7
43	Stimulation of cGMP-dependent protein kinase lalpha by a peptide from its own sequence. An investigation by enzymology, circular dichroism and 1H NMR of the activity and structure of cGMP-dependent protein kinase lalpha-(546-576)-peptide amide. FEBS Journal, 1994, 221, 581-593.	0.2	7
44	Direct fitting of structure and chemical shift to NMR spectra. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 3319-3323.	1.7	7
45	GEI-8, a Homologue of Vertebrate Nuclear Receptor Corepressor NCoR/SMRT, Regulates Gonad Development and Neuronal Functions in Caenorhabditis elegans. PLoS ONE, 2013, 8, e58462.	1.1	7
46	Murine neuronatin deficiency is associated with a hypervariable food intake and bimodal obesity. Scientific Reports, 2021, 11, 17571.	1.6	5
47	1H n.m.r. study of. International Journal of Biological Macromolecules, 1988, 10, 277-281.	3.6	3
48	Structure of polyelectrolyte solutions, SAXS study of poly(aspartic acid). Collection of Czechoslovak Chemical Communications, 1984, 49, 2586-2592.	1.0	1
49	Potential dual function of PQ-loop proteins such as cystinosin. Journal of Biological Chemistry, 2017, 292, 15133.	1.6	1