VladimÃ-r Saudek

List of Publications by Year
in descending order

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	Gradient-tailored excitation for single-quantum NMR spectroscopy of aqueous solutions. Journal of Biomolecular NMR, 1992, 2, 661-665.	2.8	3,612
2	The Obesity-AssociatedFTOGene Encodes a 2-Oxoglutarate-Dependent Nucleic Acid Demethylase. Science, 2007, 318, 1469-1472.	12.6	1,305
3	Loss-of-Function Mutation in the Dioxygenase-Encoding FTO Gene Causes Severe Growth Retardation and Multiple Malformations. American Journal of Human Genetics, 2009, 85, 106-111.	6.2	340
4	Sequence Identification and Characterization of Human Carnosinase and a Closely Related Non-specific Dipeptidase. Journal of Biological Chemistry, 2003, 278, 6521-6531.	3.4	295
5	Endoplasmic reticulum stress-induced transcription factor, CHOP, is crucial for dendritic cell IL-23 expression. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17698-17703.	7.1	270
6	Partial lipodystrophy and insulin resistant diabetes in a patient with a homozygous nonsense mutation in CIDEC. EMBO Molecular Medicine, 2009, 1, 280-287.	6.9	235
7	Three-dimensional structure of acylphosphatase. Journal of Molecular Biology, 1992, 224, 427-440.	4.2	131
8	Mutations disrupting the Kennedy phosphatidylcholine pathway in humans with congenital lipodystrophy and fatty liver disease. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8901-8906.	7.1	125
9	GDF15: A Hormone Conveying Somatic Distress to the Brain. Endocrine Reviews, 2020, 41, .	20.1	109
10	Conserved Amphipathic Helices Mediate Lipid Droplet Targeting of Perilipins 1â€“3. Journal of Biological Chemistry, 2016, 291, 6664-6678.	3.4	104
11	PCYT1A Regulates Phosphatidylcholine Homeostasis from the Inner Nuclear Membrane in Response to Membrane Stored Curvature Elastic Stress. Developmental Cell, 2018, 45, 481-495.e8.	7.0	99
12	Prevalence of Loss-of-Function FTO Mutations in Lean and Obese Individuals. Diabetes, 2010, 59, 311-318.	0.6	93
13	Hypomorphism in human NSMCE2 linked to primordial dwarfism and insulin resistance. Journal of Clinical Investigation, 2014, 124, 4028-4038.	8.2	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). Journal of Biological Chemistry, 2011, 286, 34998-35006.	3.4	85
15	FICD acts bifunctionally to AMPylate and de-AMPylate the endoplasmic reticulum chaperone BiP. Nature Structural and Molecular Biology, 2017, 24, 23-29.	8.2	81
16	Structure of neuropeptide Y dimer in solution. FEBS Journal, 1992, 205, 1099-1106.	0.2	66
17	Solution structure of the DNA-binding domain of the yeast transcriptional activator protein GCN4. Protein Engineering, Design and Selection, 1990, 4, 3-10.	2.1	61
18	1 H-NMR study of endothelin, sequence-specific assignment of the spectrum and a solution structure. FEBS Letters, 1989, 257, 145-148.	2.8	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.	7.1	57
20	Clinical and Molecular Characterization of a Novel PLIN1 Frameshift Mutation Identified in Patients With Familial Partial Lipodystrophy. Diabetes, 2015, 64, 299-310.	0.6	57
21	Obesity-associated gene TMEM18 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.	7.1	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.	2.5	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 Endothelinâ€1 by ¹H 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 perilipins1â€“3 with lipid droplets. Molecular Biology of the Cell, 2019, 30, 703-716.	2.1	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.	2.6	33
28	Solution conformation of endothelin-3 by 1H NMR and distance geometry calculations. Neurochemistry International, 1991, 18, 491-496.	3.8	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.	7.1	27
30	Structure Activity Relationship by NMR and by Computer:Â A Comparative Study. Journal of the American Chemical Society, 2002, 124, 11073-11084.	13.7	27
31	Perilipin-related protein regulates lipid metabolism inC. elegans. PeerJ, 2015, 3, e1213.	2.0	25
32	⁷Li Nuclearâ€Magneticâ€Resonance Study of Lithium Binding to Myoâ€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.	6.5	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.	2.8	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.	7.1	12

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37	Acute intermittent porphyriaâ€ƒâ€“â€ƒimpact of mutations found in the hydroxymethylbilane synthase gene on biochemical and enzymatic protein properties. FEBS Journal, 2009, 276, 2106-2115.	4.7	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.	1.4	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.	6.4	9
42	Immobilization of DNA on poly(glycidyl methacrylate-co-ethylene dimethacrylate), bead cellulose and sepharose. Polymer Bulletin, 1980, 2, 7-14.	3.3	7
43	Stimulation of cGMP-dependent protein kinase Ialpha 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 Ialpha-(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.	2.5	7
46	Murine neuronatin deficiency is associated with a hypervariable food intake and bimodal obesity. Scientific Reports, 2021, 11, 17571.	3.3	5
47	1H n.m.r. study of. International Journal of Biological Macromolecules, 1988, 10, 277-281.	7.5	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.	3.4	1