

Michael J Plevin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8166262/publications.pdf>

Version: 2024-02-01

36
papers

2,430
citations

361413

20
h-index

345221

36
g-index

38
all docs

38
docs citations

38
times ranked

3516
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Mechanistic Insights into STIM1-Mediated Initiation of Store-Operated Calcium Entry. <i>Cell</i> , 2008, 135, 110-122.	28.9	402
2	Stored Ca ²⁺ Depletion-induced Oligomerization of Stromal Interaction Molecule 1 (STIM1) via the EF-SAM Region. <i>Journal of Biological Chemistry</i> , 2006, 281, 35855-35862.	3.4	353
3	Direct detection of CH/π interactions in proteins. <i>Nature Chemistry</i> , 2010, 2, 466-471.	13.6	247
4	The LxxLL motif: a multifunctional binding sequence in transcriptional regulation. <i>Trends in Biochemical Sciences</i> , 2005, 30, 66-69.	7.5	196
5	Stereospecific Isotopic Labeling of Methyl Groups for NMR Spectroscopic Studies of High-Molecular-Weight Proteins. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1958-1962.	13.8	193
6	Methyl-specific isotopic labeling: a molecular tool box for solution NMR studies of large proteins. <i>Current Opinion in Structural Biology</i> , 2015, 32, 113-122.	5.7	157
7	Biochemical and Structural Characterization of an Intramolecular Interaction in FOXO3a and Its Binding with p53. <i>Journal of Molecular Biology</i> , 2008, 384, 590-603.	4.2	102
8	Crystal structure of type I ryanodine receptor amino-terminal I ² -trefoil domain reveals a disease-associated mutation "hot spot" loop. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11040-11044.	7.1	91
9	A systematic mutagenesis-driven strategy for site-resolved NMR studies of supramolecular assemblies. <i>Journal of Biomolecular NMR</i> , 2011, 50, 229-236.	2.8	70
10	Argonaute Utilization for miRNA Silencing Is Determined by Phosphorylation-Dependent Recruitment of LIM-Domain-Containing Proteins. <i>Cell Reports</i> , 2017, 20, 173-187.	6.4	57
11	Characterization of the Intrinsic and TSC2-GAP-Regulated GTPase Activity of Rheb by Real-Time NMR. <i>Science Signaling</i> , 2009, 2, ra3.	3.6	55
12	CLIP170 autoinhibition mimics intermolecular interactions with p150Glued or EB1. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 980-981.	8.2	41
13	The acute myeloid leukemia fusion protein AML1-ETO targets E proteins via a paired amphipathic helix-like TBP-associated factor homology domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10242-10247.	7.1	40
14	Structural basis of CBP/p300 recruitment in leukemia induction by E2A-PBX1. <i>Blood</i> , 2012, 120, 3968-3977.	1.4	37
15	An optimized isotopic labelling strategy of isoleucine- ¹³ C ₂ methyl groups for solution NMR studies of high molecular weight proteins. <i>Chemical Communications</i> , 2012, 48, 1434-1436.	4.1	37
16	Scrambling free combinatorial labeling of alanine- ¹² C, isoleucine- ¹² C, leucine-proS and valine-proS methyl groups for the detection of long range NOEs. <i>Journal of Biomolecular NMR</i> , 2015, 61, 73-82.	2.8	37
17	Dissecting the roles of TRBP and PACT in double-stranded RNA recognition and processing of noncoding RNAs. <i>Wiley Interdisciplinary Reviews RNA</i> , 2015, 6, 271-289.	6.4	36
18	Site-selective C ¹³ C modification of proteins at neutral pH using organocatalyst-mediated cross aldol ligations. <i>Chemical Science</i> , 2018, 9, 5585-5593.	7.4	33

#	ARTICLE	IF	CITATIONS
19	The RNA-binding region of human TRBP interacts with microRNA precursors through two independent domains. <i>Nucleic Acids Research</i> , 2013, 41, 4241-4252.	14.5	30
20	Selective Isotopic Unlabeling of Proteins Using Metabolic Precursors: Application to NMR Assignment of Intrinsically Disordered Proteins. <i>ChemBioChem</i> , 2012, 13, 732-739.	2.6	21
21	iHADAMAC: A complementary tool for sequential resonance assignment of globular and highly disordered proteins. <i>Journal of Magnetic Resonance</i> , 2012, 214, 329-334.	2.1	18
22	A simple biosynthetic method for stereospecific resonance assignment of prochiral methyl groups in proteins. <i>Journal of Biomolecular NMR</i> , 2011, 49, 61-67.	2.8	17
23	Observation of CH $\cdots\pi$ Interactions between Methyl and Carbonyl Groups in Proteins. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7564-7567.	13.8	17
24	Conserved asymmetry underpins homodimerization of Dicer-associated double-stranded RNA-binding proteins. <i>Nucleic Acids Research</i> , 2017, 45, 12577-12584.	14.5	17
25	A HIF-1 negative feedback mechanism mitigates the pro-tumorigenic effects of hypoxia. <i>EMBO Molecular Medicine</i> , 2018, 10, .	6.9	17
26	S6K2-mediated regulation of TRBP as a determinant of miRNA expression in human primary lymphatic endothelial cells. <i>Nucleic Acids Research</i> , 2016, 44, gkw631.	14.5	15
27	Periscope Proteins are variable-length regulators of bacterial cell surface interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
28	Characterization and Manipulation of the <i>Pseudomonas aeruginosa</i> Dimethylarginine Dimethylaminohydrolase Monomer-Dimer Equilibrium. <i>Journal of Molecular Biology</i> , 2004, 341, 171-184.	4.2	14
29	PRMT7 regulates RNA-binding capacity and protein stability in <i>Leishmania</i> parasites. <i>Nucleic Acids Research</i> , 2020, 48, 5511-5526.	14.5	14
30	Characterization of a Conserved Threonine Clasp in CAP-Gly Domains: Role of a Functionally Critical OH $\cdots\pi$ Interaction in Protein Recognition. <i>Journal of the American Chemical Society</i> , 2008, 130, 14918-14919.	13.7	12
31	Binding of a peptide from <i>Streptococcus dysgalactiae</i> MSCRAMM to the N-terminal F1 module pair of human fibronectin involves both modules. <i>FEBS Letters</i> , 2001, 497, 137-140.	2.8	10
32	Backbone resonance assignments of the micro-RNA precursor binding region of human TRBP. <i>Biomolecular NMR Assignments</i> , 2013, 7, 229-233.	0.8	9
33	Parallel screening and optimization of protein constructs for structural studies. <i>Protein Science</i> , 2009, 18, 434-439.	7.6	7
34	Arginine Methyltransferases as Regulators of RNA-Binding Protein Activities in Pathogenic Kinetoplastids. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 692668.	3.5	6
35	Observation of CH $\cdots\pi$ Interactions between Methyl and Carbonyl Groups in Proteins. <i>Angewandte Chemie</i> , 2017, 129, 7672-7675.	2.0	5
36	Letter to the Editor: Backbone 1H , ^{13}C , and ^{15}N Resonance Assignments for a 29 kD Monomeric Variant of <i>Pseudomonas Aeruginosa</i> Dimethylarginine Dimethylaminohydrolase. <i>Journal of Biomolecular NMR</i> , 2004, 29, 463-464.	2.8	1