

Markus Zweckstetter

List of Publications by Year in descending order

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253
papers

21,623
citations

8208

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13635

134
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all docs

268
docs citations

268
times ranked

23777
citing authors

#	ARTICLE	IF	CITATIONS
1	The pathogenic R5L mutation disrupts formation of Tau complexes on the microtubule by altering local N-terminal structure. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	8
2	Molecular Basis of Small-Molecule Binding to τ -Synuclein. Journal of the American Chemical Society, 2022, 144, 2501-2510.	6.6	48
3	Dynamical component exchange in a model phase separating system: an NMR-based approach. Physical Chemistry Chemical Physics, 2022, 24, 6169-6175.	1.3	4
4	Conformational Dynamics of Intrinsically Disordered Proteins Regulate Biomolecular Condensate Chemistry. Chemical Reviews, 2022, 122, 6719-6748.	23.0	55
5	Global Structure of the Intrinsically Disordered Protein Tau Emerges from Its Local Structure. JACS, 2022, 144, 673-686.	3.6	48
6	A NAC domain mutation (E83Q) unlocks the pathogenicity of human alpha-synuclein and recapitulates its pathological diversity. Science Advances, 2022, 8, eabn0044.	4.7	20
7	Hsp multichaperone complex buffers pathologically modified Tau. Nature Communications, 2022, 13, .	5.8	11
8	Aromaticity at position 39 in τ -synuclein: A modulator of amyloid fibril assembly and membrane-bound conformations. Protein Science, 2022, 31, .	3.1	7
9	Disease-associated Tau Phosphorylation Hinders Tubulin Assembly within Tau Condensates. Angewandte Chemie - International Edition, 2021, 60, 726-730.	7.2	57
10	Die krankheitsassoziierte Tau-Phosphorylierung behindert die Tubulinpolymerisation in Tau-Kondensaten. Angewandte Chemie, 2021, 133, 737-741.	1.6	0
11	Interplay between tau and τ -synuclein liquid-liquid phase separation. Protein Science, 2021, 30, 1326-1336.	3.1	53
12	Structural Flexibility of Cyclosporine A Is Mediated by Amide <i>Cis</i> \leftrightarrow <i>Trans</i> Isomerization and the Chameleonic Roles of Calcium. Journal of Physical Chemistry B, 2021, 125, 1378-1391.	1.2	8
13	A Novel SNCA A30G Mutation Causes Familial Parkinson's Disease. Movement Disorders, 2021, 36, 1624-1633.	2.2	54
14	Structure, gating and interactions of the voltage-dependent anion channel. European Biophysics Journal, 2021, 50, 159-172.	1.2	28
15	Extending the applicability of P3D for structure determination of small molecules. Magnetic Resonance, 2021, 2, 105-116.	0.8	8
16	Liquid-liquid phase separation of tau: From molecular biophysics to physiology and disease. Protein Science, 2021, 30, 1294-1314.	3.1	54
17	Low-Expressing Synucleinopathy Mouse Models Based on Oligomer-Forming Mutations and C-Terminal Truncation of τ -Synuclein. Frontiers in Neuroscience, 2021, 15, 643391.	1.4	4
18	Proline/arginine dipeptide repeat polymers derail protein folding in amyotrophic lateral sclerosis. Nature Communications, 2021, 12, 3396.	5.8	14

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19	Structure of serotonin receptors: molecular underpinning of receptor activation and modulation. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 243.	7.1	3
20	Introduction: Biophysics of biomolecular condensates. <i>Protein Science</i> , 2021, 30, 1274-1276.	3.1	0
21	Alpha-synuclein research: defining strategic moves in the battle against Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2021, 7, 65.	2.5	74
22	Co-factor-free aggregation of tau into seeding-competent RNA-sequestering amyloid fibrils. <i>Nature Communications</i> , 2021, 12, 4231.	5.8	45
23	<scp>NMR</scp> hawk-eyed view of <scp>AlphaFold2</scp> structures. <i>Protein Science</i> , 2021, 30, 2333-2337.	3.1	39
24	Membrane-embedded TSPO: an NMR view. <i>European Biophysics Journal</i> , 2021, 50, 173-180.	1.2	3
25	Biomolecular condensation of the microtubule-associated protein tau. <i>Seminars in Cell and Developmental Biology</i> , 2020, 99, 202-214.	2.3	27
26	Molecular characterization of an aggregation-prone variant of alpha-synuclein used to model synucleinopathies. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140298.	1.1	10
27	The Molecular Basis of the Interaction of CyclophilinA with τ -Synuclein. <i>Angewandte Chemie</i> , 2020, 132, 5692-5695.	1.6	0
28	The Molecular Basis of the Interaction of CyclophilinA with τ -Synuclein. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5643-5646.	7.2	20
29	Molecular basis of the interaction of Hsp90 with its co-chaperone Hop. <i>Protein Science</i> , 2020, 29, 2422-2432.	3.1	15
30	Catalysis of proline isomerization and molecular chaperone activity in a tug-of-war. <i>Nature Communications</i> , 2020, 11, 6046.	5.8	18
31	Nucleocapsid protein of SARS-CoV-2 phase separates into RNA-rich polymerase-containing condensates. <i>Nature Communications</i> , 2020, 11, 6041.	5.8	275
32	Proteasomal degradation of the intrinsically disordered protein tau at single-residue resolution. <i>Science Advances</i> , 2020, 6, eaba3916.	4.7	31
33	Solid-phase fluorescent BODIPY-peptide synthesis <i>via in situ</i> dipyrin construction. <i>Chemical Science</i> , 2020, 11, 11266-11273.	3.7	22
34	Structural analysis of the intrinsically disordered splicing factor Spp2 and its binding to the DEAH-box ATPase Prp2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2948-2956.	3.3	27
35	Bestimmung komplexer kleiner Molekülstrukturen mittels molekularer Ausrichtungssimulation. <i>Angewandte Chemie</i> , 2020, 132, 6230-6235.	1.6	5
36	Determination of Complex Small-Molecule Structures Using Molecular Alignment Simulation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6172-6176.	7.2	25

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37	Towards a consensus on developmental regression. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 107, 3-5.	2.9	14
38	Dynamic Aha1 co-chaperone binding to human Hsp90. <i>Protein Science</i> , 2019, 28, 1545-1551.	3.1	19
39	Lysine/RNA-interactions drive and regulate biomolecular condensation. <i>Nature Communications</i> , 2019, 10, 2909.	5.8	164
40	Reorientational Dynamics of Amyloid- β^2 from NMR Spin Relaxation and Molecular Simulation. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3369-3375.	2.1	26
41	Residue-specific identification of phase separation hot spots of Alzheimer's-related protein tau. <i>Chemical Science</i> , 2019, 10, 6503-6507.	3.7	65
42	Structure and Functions of Microtubule Associated Proteins Tau and MAP2c: Similarities and Differences. <i>Biomolecules</i> , 2019, 9, 105.	1.8	41
43	In response to: The validity of 18F-GE180 as a TSPO imaging agent. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1208-1211.	3.3	19
44	Translocator Protein Ligand Protects against Neurodegeneration in the MPTP Mouse Model of Parkinsonism. <i>Journal of Neuroscience</i> , 2019, 39, 3752-3769.	1.7	46
45	Structural heterogeneity of β -synuclein fibrils amplified from patient brain extracts. <i>Nature Communications</i> , 2019, 10, 5535.	5.8	153
46	Nuclear localization and phosphorylation modulate pathological effects of alpha-synuclein. <i>Human Molecular Genetics</i> , 2019, 28, 31-50.	1.4	131
47	Upregulated levels and pathological aggregation of abnormally phosphorylated Tau-protein in children with neurodevelopmental disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 98, 1-9.	2.9	23
48	Challenges and approaches to understand cholesterol-binding impact on membrane protein function: an NMR view. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 2137-2151.	2.4	16
49	The Binding Mode of a Tau Peptide with Tubulin. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3246-3250.	7.2	43
50	Der Bindungsmodus eines Tau-Peptides mit Tubulin. <i>Angewandte Chemie</i> , 2018, 130, 3301-3305.	1.6	3
51	The potential of zwitterionic nanoliposomes against neurotoxic alpha-synuclein aggregates in Parkinson's Disease. <i>Nanoscale</i> , 2018, 10, 9174-9185.	2.8	29
52	Mapping interactions with the chaperone network reveals factors that protect against tau aggregation. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 384-393.	3.6	119
53	Insights into Cholesterol/Membrane Protein Interactions Using Paramagnetic Solid-State NMR. <i>Chemistry - A European Journal</i> , 2018, 24, 17606-17611.	1.7	16
54	Interaction of Cu(II) with the Met-X ₃ -Met motif of alpha-synuclein: binding ligands, affinity and structural features. <i>Metallomics</i> , 2018, 10, 1383-1389.	1.0	16

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55	Structure and pro-toxic mechanism of the human Hsp90/PPlase/Tau complex. <i>Nature Communications</i> , 2018, 9, 4532.	5.8	68
56	Local and Global Dynamics in Intrinsically Disordered Synuclein. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15262-15266.	7.2	49
57	Lokale und globale Dynamik im ungeordneten Synuklein-Protein. <i>Angewandte Chemie</i> , 2018, 130, 15482-15486.	1.6	0
58	RNA polymerase II clustering through carboxy-terminal domain phase separation. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 833-840.	3.6	456
59	Functionally specific binding regions of microtubule-associated protein 2c exhibit distinct conformations and dynamics. <i>Journal of Biological Chemistry</i> , 2018, 293, 13297-13309.	1.6	13
60	The diphenylpyrazole compound anle138b blocks A β channels and rescues disease phenotypes in a mouse model for amyloid pathology. <i>EMBO Molecular Medicine</i> , 2018, 10, 32-47.	3.3	63
61	Mechanistic basis for the recognition of a misfolded protein by the molecular chaperone Hsp90. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 407-413.	3.6	44
62	Glycation potentiates β -synuclein-associated neurodegeneration in synucleinopathies. <i>Brain</i> , 2017, 140, 1399-1419.	3.7	153
63	Cholesterol-mediated allosteric regulation of the mitochondrial translocator protein structure. <i>Nature Communications</i> , 2017, 8, 14893.	5.8	67
64	Liquid-liquid phase separation of the microtubule-binding repeats of the Alzheimer-related protein Tau. <i>Nature Communications</i> , 2017, 8, 275.	5.8	552
65	Small-Molecule-Induced Soluble Oligomers of β -Synuclein with Helical Structure. <i>Chemistry - A European Journal</i> , 2017, 23, 13010-13014.	1.7	14
66	Bioinorganic Chemistry of Parkinson's Disease: Affinity and Structural Features of Cu(I) Binding to the Full-Length β -Synuclein Protein. <i>Inorganic Chemistry</i> , 2017, 56, 10387-10395.	1.9	9
67	Multivalent cross-linking of actin filaments and microtubules through the microtubule-associated protein Tau. <i>Nature Communications</i> , 2017, 8, 1981.	5.8	104
68	Capture of Dense Core Vesicles at Synapses by JNK-Dependent Phosphorylation of Synaptotagmin-4. <i>Cell Reports</i> , 2017, 21, 2118-2133.	2.9	39
69	The mechanism of sirtuin 2-mediated exacerbation of alpha-synuclein toxicity in models of Parkinson disease. <i>PLoS Biology</i> , 2017, 15, e2000374.	2.6	114
70	Human cyclophilin 40 unravels neurotoxic amyloids. <i>PLoS Biology</i> , 2017, 15, e2001336.	2.6	43
71	Elucidating the structure of an infectious protein. <i>PLoS Pathogens</i> , 2017, 13, e1006229.	2.1	15
72	The protonation state of histidine 111 regulates the aggregation of the evolutionary most conserved region of the human prion protein. <i>Protein Science</i> , 2016, 25, 1563-1567.	3.1	4

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73	Remodeling of the conformational ensemble of the repeat domain of tau by an aggregation enhancer. <i>Protein Science</i> , 2016, 25, 1010-1020.	3.1	27
74	Solid ^â Phase Synthesis and Characterization of N ^â Terminally Elongated A β Peptides. <i>Chemistry - A European Journal</i> , 2016, 22, 8685-8693.	1.7	8
75	Phosphorylation modifies the molecular stability of β -amyloid deposits. <i>Nature Communications</i> , 2016, 7, 11359.	5.8	70
76	Phosphorylation of the amyloid β -peptide at Ser26 stabilizes oligomeric assembly and increases neurotoxicity. <i>Acta Neuropathologica</i> , 2016, 131, 525-537.	3.9	84
77	Environmental and genetic factors support the dissociation between β -synuclein aggregation and toxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6506-E6515.	3.3	75
78	Voltage Dependence of Conformational Dynamics and Subconducting States of VDAC-1. <i>Biophysical Journal</i> , 2016, 111, 1223-1234.	0.2	28
79	Phosphorylation Interferes with Maturation of Amyloid- β Fibrillar Structure in the N Terminus. <i>Journal of Biological Chemistry</i> , 2016, 291, 16059-16067.	1.6	22
80	Structure of Monomeric Transthyretin Carrying the Clinically Important T119M Mutation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16168-16171.	7.2	15
81	High ^â Resolution NMR Determination of the Dynamic Structure of Membrane Proteins. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10518-10521.	7.2	25
82	Struktur eines monomeren Transthyretin mit der klinisch wichtigen T119M ^â Mutation. <i>Angewandte Chemie</i> , 2016, 128, 16402-16405.	1.6	0
83	Fasudil attenuates aggregation of β -synuclein in models of Parkinson ^â s disease. <i>Acta Neuropathologica Communications</i> , 2016, 4, 39.	2.4	123
84	Targeting intrinsically disordered proteins in rational drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2016, 11, 65-77.	2.5	74
85	Molecular Plasticity of the Human Voltage-Dependent Anion Channel Embedded Into a Membrane. <i>Structure</i> , 2016, 24, 585-594.	1.6	36
86	Yeast reveals similar molecular mechanisms underlying alpha- and beta-synuclein toxicity. <i>Human Molecular Genetics</i> , 2016, 25, 275-290.	1.4	29
87	Backbone and side-chain resonance assignment of the A147T polymorph of mouse TSPO in complex with a high-affinity radioligand. <i>Biomolecular NMR Assignments</i> , 2016, 10, 79-83.	0.4	8
88	Retention and splicing complex (RES) ^â the importance of cooperativity. <i>RNA Biology</i> , 2016, 13, 128-133.	1.5	12
89	Structures of intermediates during RES complex assembly. <i>Scientific Reports</i> , 2015, 5, 12545.	1.6	7
90	Structure of the mammalian TSPO/PBR protein. <i>Biochemical Society Transactions</i> , 2015, 43, 566-571.	1.6	29

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91	Conformational Flexibility in the Transmembrane Protein TSPO. <i>Chemistry - A European Journal</i> , 2015, 21, 16555-16563.	1.7	23
92	Structural Integrity of the A147T Polymorph of Mammalian TSPO. <i>ChemBioChem</i> , 2015, 16, 1483-1489.	1.3	32
93	Multiple Paramagnetic Effects through a Tagged Reporter Protein. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 336-339.	7.2	15
94	Folding of the Tau Protein on Microtubules. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10347-10351.	7.2	130
95	Tau stabilizes microtubules by binding at the interface between tubulin heterodimers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7501-7506.	3.3	400
96	HYCUD: a computational tool for prediction of effective rotational correlation time in flexible proteins. <i>Bioinformatics</i> , 2015, 31, 1319-1321.	1.8	10
97	Lost in translocation: the functions of the 18-kD translocator protein. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 349-356.	3.1	60
98	Solid-state NMR, electrophysiology and molecular dynamics characterization of human VDAC2. <i>Journal of Biomolecular NMR</i> , 2015, 61, 311-320.	1.6	26
99	Small Molecules Detected by Second-Harmonic Generation Modulate the Conformation of Monomeric β -Synuclein and Reduce Its Aggregation in Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 27582-27593.	1.6	53
100	Structural Impact of Tau Phosphorylation at Threonine 231. <i>Structure</i> , 2015, 23, 1448-1458.	1.6	99
101	The active Hsc70/tau complex can be exploited to enhance tau turnover without damaging microtubule dynamics. <i>Human Molecular Genetics</i> , 2015, 24, 3971-3981.	1.4	28
102	Extracellular vesicle sorting of β -Synuclein is regulated by sumoylation. <i>Acta Neuropathologica</i> , 2015, 129, 695-713.	3.9	136
103	Copper Binding to the N-Terminally Acetylated, Naturally Occurring Form of Alpha-Synuclein Induces Local Helical Folding. <i>Journal of the American Chemical Society</i> , 2015, 137, 6444-6447.	6.6	68
104	Parkinson Disease Mutant E46K Enhances β -Synuclein Phosphorylation in Mammalian Cell Lines, in Yeast, and in Vivo. <i>Journal of Biological Chemistry</i> , 2015, 290, 9412-9427.	1.6	52
105	Structural Ensembles of Intrinsically Disordered Proteins Depend Strongly on Force Field: A Comparison to Experiment. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 5513-5524.	2.3	368
106	Improved validation of IDP ensembles by one-bond ^1H - ^1H scalar couplings. <i>Journal of Biomolecular NMR</i> , 2015, 63, 299-307.	1.6	4
107	Bioinorganic chemistry of synucleinopathies: Deciphering the binding features of Met motifs and His-50 in $\text{AS}\beta\text{-Cu(I)}$ interactions. <i>Journal of Inorganic Biochemistry</i> , 2014, 141, 208-211.	1.5	22
108	A six-dimensional alpha proton detection-based APSY experiment for backbone assignment of intrinsically disordered proteins. <i>Journal of Biomolecular NMR</i> , 2014, 60, 231-240.	1.6	17

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109	Small molecule-mediated stabilization of vesicle-associated helical α -synuclein inhibits pathogenic misfolding and aggregation. <i>Nature Communications</i> , 2014, 5, 5857.	5.8	91
110	Long-Range Correlated Dynamics in Intrinsically Disordered Proteins. <i>Journal of the American Chemical Society</i> , 2014, 136, 16201-16209.	6.6	77
111	Cooperative structure of the heterotrimeric pre-mRNA retention and splicing complex. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 911-918.	3.6	28
112	Interaction of the Intermembrane Space Domain of Tim23 Protein with Mitochondrial Membranes. <i>Journal of Biological Chemistry</i> , 2014, 289, 34620-34626.	1.6	15
113	Predictive Atomic Resolution Descriptions of Intrinsically Disordered hTau40 and α -Synuclein in Solution from NMR and Small Angle Scattering. <i>Structure</i> , 2014, 22, 238-249.	1.6	171
114	Structure of the Mitochondrial Translocator Protein in Complex with a Diagnostic Ligand. <i>Science</i> , 2014, 343, 1363-1366.	6.0	208
115	Hsp90-Tau Complex Reveals Molecular Basis for Specificity in Chaperone Action. <i>Cell</i> , 2014, 156, 963-974.	13.5	269
116	Internalization routes of cell-penetrating melanoma antigen peptides into human dendritic cells. <i>Experimental Dermatology</i> , 2014, 23, 20-26.	1.4	6
117	Nucleotide Interactions of the Human Voltage-dependent Anion Channel. <i>Journal of Biological Chemistry</i> , 2014, 289, 13397-13406.	1.6	27
118	Toward the functional oligomerization state of tryptophan-rich sensory proteins. <i>Protein Science</i> , 2014, 23, 1154-1160.	3.1	8
119	Turn Plasticity Distinguishes Different Modes of Amyloid- β Aggregation. <i>Journal of the American Chemical Society</i> , 2014, 136, 4913-4919.	6.6	39
120	Molecular Basis of the Dynamic Structure of the TIM23 Complex in the Mitochondrial Intermembrane Space. <i>Structure</i> , 2014, 22, 1501-1511.	1.6	22
121	Exploring Free-Energy Landscapes of Intrinsically Disordered Proteins at Atomic Resolution Using NMR Spectroscopy. <i>Chemical Reviews</i> , 2014, 114, 6632-6660.	23.0	252
122	α -Synuclein interacts with the switch region of Rab8a in a Ser129 phosphorylation-dependent manner. <i>Neurobiology of Disease</i> , 2014, 70, 149-161.	2.1	84
123	Characterization of the effects of phosphorylation by CK2 on the structure and binding properties of human HP1 β . <i>FEBS Letters</i> , 2014, 588, 1094-1099.	1.3	11
124	Site-Specific Copper-Catalyzed Oxidation of α -Synuclein: Tightening the Link between Metal Binding and Protein Oxidative Damage in Parkinson's Disease. <i>Inorganic Chemistry</i> , 2014, 53, 4350-4358.	1.9	68
125	Detection of a transient intramolecular hydrogen bond using $^1J_{NH}$ scalar couplings. <i>Journal of Magnetic Resonance</i> , 2014, 243, 93-97.	1.2	3
126	NMR-Based Detection of Hydrogen/Deuterium Exchange in Liposome-Embedded Membrane Proteins. <i>PLoS ONE</i> , 2014, 9, e112374.	1.1	3

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127	Inhibition of Tau Filament Formation by Conformational Modulation. <i>Journal of the American Chemical Society</i> , 2013, 135, 2853-2862.	6.6	65
128	N-truncated amyloid β (A β) 4-42 forms stable aggregates and induces acute and long-lasting behavioral deficits. <i>Acta Neuropathologica</i> , 2013, 126, 189-205.	3.9	153
129	Phosphorylation Drives a Dynamic Switch in Serine/Arginine-Rich Proteins. <i>Structure</i> , 2013, 21, 2162-2174.	1.6	101
130	Predicting the Rotational Tumbling of Dynamic Multidomain Proteins and Supramolecular Complexes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11410-11414.	7.2	28
131	Cold denaturation of a protein dimer monitored at atomic resolution. <i>Nature Chemical Biology</i> , 2013, 9, 264-270.	3.9	37
132	Mechanistic Basis of Phenothiazine-Driven Inhibition of Tau Aggregation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3511-3515.	7.2	127
133	Anle138b: a novel oligomer modulator for disease-modifying therapy of neurodegenerative diseases such as prion and Parkinson's disease. <i>Acta Neuropathologica</i> , 2013, 125, 795-813.	3.9	327
134	N ¹⁵ H Spin-Spin Couplings: Probing Hydrogen Bonds in Proteins. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3525-3528.	7.2	16
135	Imbalance of Hsp70 family variants fosters tau accumulation. <i>FASEB Journal</i> , 2013, 27, 1450-1459.	0.2	100
136	Phosphorylation of Human Tau Protein by Microtubule Affinity-Regulating Kinase 2. <i>Biochemistry</i> , 2013, 52, 9068-9079.	1.2	65
137	β -Synuclein aggregates and induces neurodegeneration in dopaminergic neurons. <i>Annals of Neurology</i> , 2013, 74, 109-118.	2.8	58
138	Myelin Membrane Assembly Is Driven by a Phase Transition of Myelin Basic Proteins Into a Cohesive Protein Meshwork. <i>PLoS Biology</i> , 2013, 11, e1001577.	2.6	148
139	Conserved amyloid core structure of stop mutants of the human prion protein. <i>Prion</i> , 2013, 7, 193-197.	0.9	12
140	Burial of the Polymorphic Residue 129 in Amyloid Fibrils of Prion Stop Mutants. <i>Journal of Biological Chemistry</i> , 2013, 288, 2994-3002.	1.6	17
141	Structural Plasticity in Human Heterochromatin Protein 1 β . <i>PLoS ONE</i> , 2013, 8, e60887.	1.1	24
142	Discovery and Structure Activity Relationship of Small Molecule Inhibitors of Toxic β -Amyloid-42 Fibril Formation. <i>Journal of Biological Chemistry</i> , 2012, 287, 34786-34800.	1.6	53
143	Methylation of Lysine 9 in Histone H3 Directs Alternative Modes of Highly Dynamic Interaction of Heterochromatin Protein hHP1 β with the Nucleosome. <i>Journal of Biological Chemistry</i> , 2012, 287, 33756-33765.	1.6	58
144	Aggregate Clearance of β -Synuclein in <i>Saccharomyces cerevisiae</i> Depends More on Autophagosome and Vacuole Function Than on the Proteasome. <i>Journal of Biological Chemistry</i> , 2012, 287, 27567-27579.	1.6	66

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145	Determination of amyloid core structure using chemical shifts. <i>Protein Science</i> , 2012, 21, 1948-1953.	3.1	12
146	Mapping the Potential Energy Landscape of Intrinsically Disordered Proteins at Amino Acid Resolution. <i>Journal of the American Chemical Society</i> , 2012, 134, 15138-15148.	6.6	113
147	$\hat{\beta}$ -Barrel Mobility Underlies Closure of the Voltage-Dependent Anion Channel. <i>Structure</i> , 2012, 20, 1540-1549.	1.6	104
148	Cold-Induced Changes in the Protein Ubiquitin. <i>PLoS ONE</i> , 2012, 7, e37270.	1.1	9
149	Characterization of Molecular Determinants of the Conformational Stability of Macrophage Migration Inhibitory Factor: Leucine 46 Hydrophobic Pocket. <i>PLoS ONE</i> , 2012, 7, e45024.	1.1	9
150	$\hat{\beta}$ -Sheet Core of Tau Paired Helical Filaments Revealed by Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2012, 134, 13982-13989.	6.6	176
151	Is Enantiomer Assignment Possible by NMR Spectroscopy Using Residual Dipolar Couplings from Chiral Nonracemic Alignment Media? A Critical Assessment. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8388-8391.	7.2	60
152	Intrinsically Disordered Proteins: From Sequence and Conformational Properties toward Drug Discovery. <i>ChemBioChem</i> , 2012, 13, 930-950.	1.3	85
153	Aggregation of $\hat{\beta}$ -Synuclein promotes progressive in vivo neurotoxicity in adult rat dopaminergic neurons. <i>Acta Neuropathologica</i> , 2012, 123, 671-683.	3.9	96
154	Exploring the Structural Details of Cu(I) Binding to $\hat{\beta}$ -Synuclein by NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 194-196.	6.6	83
155	Toward the Discovery of Effective Polycyclic Inhibitors of $\hat{\beta}$ -Synuclein Amyloid Assembly. <i>Journal of Biological Chemistry</i> , 2011, 286, 32036-32044.	1.6	43
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