Markus Zweckstetter

List of Publications by Year
in descending order

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		7069	11899
253	21,623	78	134
papers	citations	h-index	g-index

268	268	268	21484
all docs	docs citations	times ranked	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 Î±-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 Au, 2022, 2, 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 Î±â€synuclein: A modulator of amyloid fibril assembly and membraneâ€bound conformations. Protein Science, 2022, 31, .	3.1	7
9	Diseaseâ€Associated Tau Phosphorylation Hinders Tubulin Assembly within Tau Condensates. Angewandte Chemie - International Edition, 2021, 60, 726-730.	7.2	57
10	Die krankheitsassoziierte Tauâ€Phosphorylierung behindert die Tubulinpolymerisation in Tauâ€Kondensaten. Angewandte Chemie, 2021, 133, 737-741.	1.6	0
11	Interplay between tau and Î±â€synuclein liquidâ€“liquid phase separation. Protein Science, 2021, 30, 1326-1336.	3.1	53
12	Structural Flexibility of Cyclosporine A Is Mediated by Amide Cisâ€“Trans 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 ParkinsonÊ¼s 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	Liquidâ€“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 Î±-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. Signal Transduction and Targeted Therapy, 2021, 6, 243.	7.1	3
20	Introduction: Biophysics of biomolecular condensates. Protein Science, 2021, 30, 1274-1276.	3.1	0
21	Alpha-synuclein research: defining strategic moves in the battle against Parkinsonâ€™s disease. Npj Parkinson's Disease, 2021, 7, 65.	2.5	74
22	Co-factor-free aggregation of tau into seeding-competent RNA-sequestering amyloid fibrils. Nature Communications, 2021, 12, 4231.	5.8	45
23	<scp>NMR</scp> hawkâ€eyed view of <scp>AlphaFold2</scp> structures. Protein Science, 2021, 30, 2333-2337.	3.1	39
24	Membrane-embedded TSPO: an NMR view. European Biophysics Journal, 2021, 50, 173-180.	1.2	3
25	Biomolecular condensation of the microtubule-associated protein tau. Seminars in Cell and Developmental Biology, 2020, 99, 202-214.	2.3	27
26	Molecular characterization of an aggregation-prone variant of alpha-synuclein used to model synucleinopathies. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140298.	1.1	10
27	The Molecular Basis of the Interaction of Cyclophilinâ€…A with Î±â€Synuclein. Angewandte Chemie, 2020, 132, 5692-5695.	1.6	0
28	The Molecular Basis of the Interaction of Cyclophilinâ€…A with Î±â€Synuclein. Angewandte Chemie - International Edition, 2020, 59, 5643-5646.	7.2	20
29	Molecular basis of the interaction of Hsp90 with its coâ€chaperone Hop. Protein Science, 2020, 29, 2422-2432.	3.1	15
30	Catalysis of proline isomerization and molecular chaperone activity in a tug-of-war. Nature Communications, 2020, 11, 6046.	5.8	18
31	Nucleocapsid protein of SARS-CoV-2 phase separates into RNA-rich polymerase-containing condensates. Nature Communications, 2020, 11, 6041.	5.8	275
32	Proteasomal degradation of the intrinsically disordered protein tau at single-residue resolution. Science Advances, 2020, 6, eaba3916.	4.7	31
33	Solid-phase fluorescent BODIPYâ€“peptide synthesis via in situ dipyrrin construction. Chemical Science, 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. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2948-2956.	3.3	27
35	Bestimmung komplexer kleiner MolekÃ¼lstrukturen mittels molekularer Ausrichtungssimulation. Angewandte Chemie, 2020, 132, 6230-6235.	1.6	5
36	Determination of Complex Smallâ€Molecule Structures Using Molecular Alignment Simulation. Angewandte Chemie - International Edition, 2020, 59, 6172-6176.	7.2	25

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37	Towards a consensus on developmental regression. Neuroscience and Biobehavioral Reviews, 2019, 107, 3-5.	2.9	14
38	Dynamic Aha1 coâ€chaperone binding to human Hsp90. Protein Science, 2019, 28, 1545-1551.	3.1	19
39	Lysine/RNA-interactions drive and regulate biomolecular condensation. Nature Communications, 2019, 10, 2909.	5.8	164
40	Reorientational Dynamics of Amyloid-Î² from NMR Spin Relaxation and Molecular Simulation. Journal of Physical Chemistry Letters, 2019, 10, 3369-3375.	2.1	26
41	Residue-specific identification of phase separation hot spots of Alzheimer's-related protein tau. Chemical Science, 2019, 10, 6503-6507.	3.7	65
42	Structure and Functions of Microtubule Associated Proteins Tau and MAP2c: Similarities and Differences. Biomolecules, 2019, 9, 105.	1.8	41
43	In response to: The validity of 18F-GE180 as a TSPO imaging agent. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1208-1211.	3.3	19
44	Translocator Protein Ligand Protects against Neurodegeneration in the MPTP Mouse Model of Parkinsonism. Journal of Neuroscience, 2019, 39, 3752-3769.	1.7	46
45	Structural heterogeneity of Î±-synuclein fibrils amplified from patient brain extracts. Nature Communications, 2019, 10, 5535.	5.8	153
46	Nuclear localization and phosphorylation modulate pathological effects of alpha-synuclein. Human Molecular Genetics, 2019, 28, 31-50.	1.4	131
47	Upregulated levels and pathological aggregation of abnormally phosphorylated Tau-protein in children with neurodevelopmental disorders. Neuroscience and Biobehavioral Reviews, 2019, 98, 1-9.	2.9	23
48	Challenges and approaches to understand cholesterol-binding impact on membrane protein function: an NMR view. Cellular and Molecular Life Sciences, 2018, 75, 2137-2151.	2.4	16
49	The Binding Mode of a Tau Peptide with Tubulin. Angewandte Chemie - International Edition, 2018, 57, 3246-3250.	7.2	43
50	Der Bindungsmodus eines Tauâ€Peptids mit Tubulin. Angewandte Chemie, 2018, 130, 3301-3305.	1.6	3
51	The potential of zwitterionic nanoliposomes against neurotoxic alpha-synuclein aggregates in Parkinson's Disease. Nanoscale, 2018, 10, 9174-9185.	2.8	29
52	Mapping interactions with the chaperone network reveals factors that protect against tau aggregation. Nature Structural and Molecular Biology, 2018, 25, 384-393.	3.6	119
53	Insights into Cholesterol/Membrane Protein Interactions Using Paramagnetic Solidâ€State NMR. Chemistry - A European Journal, 2018, 24, 17606-17611.	1.7	16
54	Interaction of Cu(<scp>i</scp>) with the Met-X₃-Met motif of alpha-synuclein: binding ligands, affinity and structural features. Metallomics, 2018, 10, 1383-1389.	1.0	16

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55	Structure and pro-toxic mechanism of the human Hsp90/PPIase/Tau complex. Nature Communications, 2018, 9, 4532.	5.8	68
56	Local and Global Dynamics in Intrinsically Disordered Synuclein. Angewandte Chemie - International Edition, 2018, 57, 15262-15266.	7.2	49
57	Lokale und globale Dynamik im ungeordneten Synukleinâ€Protein. Angewandte Chemie, 2018, 130, 15482-15486.	1.6	0
58	RNA polymerase II clustering through carboxy-terminal domain phase separation. Nature Structural and Molecular Biology, 2018, 25, 833-840.	3.6	456
59	Functionally specific binding regions of microtubule-associated protein 2c exhibit distinct conformations and dynamics. Journal of Biological Chemistry, 2018, 293, 13297-13309.	1.6	13
60	The diphenylpyrazole compound anle138b blocks Aî² channels and rescues disease phenotypes in a mouse model for amyloid pathology. EMBO Molecular Medicine, 2018, 10, 32-47.	3.3	63
61	Mechanistic basis for the recognition of a misfolded protein by the molecular chaperone Hsp90. Nature Structural and Molecular Biology, 2017, 24, 407-413.	3.6	44
62	Glycation potentiates Î±-synuclein-associated neurodegeneration in synucleinopathies. Brain, 2017, 140, 1399-1419.	3.7	153
63	Cholesterol-mediated allosteric regulation of the mitochondrial translocator protein structure. Nature Communications, 2017, 8, 14893.	5.8	67
64	Liquidâ€“liquid phase separation of the microtubule-binding repeats of the Alzheimer-related protein Tau. Nature Communications, 2017, 8, 275.	5.8	552
65	Smallâ€Moleculeâ€Induced Soluble Oligomers of Î±â€Synuclein with Helical Structure. Chemistry - A European Journal, 2017, 23, 13010-13014.	1.7	14
66	Bioinorganic Chemistry of Parkinsonâ€™s Disease: Affinity and Structural Features of Cu(I) Binding to the Full-Length Î²-Synuclein Protein. Inorganic Chemistry, 2017, 56, 10387-10395.	1.9	9
67	Multivalent cross-linking of actin filaments and microtubules through the microtubule-associated protein Tau. Nature Communications, 2017, 8, 1981.	5.8	104
68	Capture of Dense Core Vesicles at Synapses by JNK-Dependent Phosphorylation of Synaptotagmin-4. Cell Reports, 2017, 21, 2118-2133.	2.9	39
69	The mechanism of sirtuin 2â€“mediated exacerbation of alpha-synuclein toxicity in models of Parkinson disease. PLoS Biology, 2017, 15, e2000374.	2.6	114
70	Human cyclophilin 40 unravels neurotoxic amyloids. PLoS Biology, 2017, 15, e2001336.	2.6	43
71	Elucidating the structure of an infectious protein. PLoS Pathogens, 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. Protein Science, 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. Protein Science, 2016, 25, 1010-1020.	3.1	27
74	Solidâ€Phase Synthesis and Characterization of Nâ€Terminally Elongated Aî²_{â^'3â€“x}â€Peptides. Chemistry - A European Journal, 2016, 22, 8685-8693.	1.7	8
75	Phosphorylation modifies the molecular stability of Î²-amyloid deposits. Nature Communications, 2016, 7, 11359.	5.8	70
76	Phosphorylation of the amyloid Î²-peptide at Ser26 stabilizes oligomeric assembly and increases neurotoxicity. Acta Neuropathologica, 2016, 131, 525-537.	3.9	84
77	Environmental and genetic factors support the dissociation between Î±-synuclein aggregation and toxicity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6506-E6515.	3.3	75
78	Voltage Dependence of Conformational Dynamics and Subconducting States of VDAC-1. Biophysical Journal, 2016, 111, 1223-1234.	0.2	28
79	Phosphorylation Interferes with Maturation of Amyloid-Î² Fibrillar Structure in the N Terminus. Journal of Biological Chemistry, 2016, 291, 16059-16067.	1.6	22
80	Structure of Monomeric Transthyretin Carrying the Clinically Important T119M Mutation. Angewandte Chemie - International Edition, 2016, 55, 16168-16171.	7.2	15
81	Highâ€Resolution NMR Determination of the Dynamic Structure of Membrane Proteins. Angewandte Chemie - International Edition, 2016, 55, 10518-10521.	7.2	25
82	Struktur eines monomeren Transthyretin mit der klinisch wichtigen T119Mâ€Mutation. Angewandte Chemie, 2016, 128, 16402-16405.	1.6	0
83	Fasudil attenuates aggregation of Î±-synuclein in models of Parkinsonâ€™s disease. Acta Neuropathologica Communications, 2016, 4, 39.	2.4	123
84	Targeting intrinsically disordered proteins in rational drug discovery. Expert Opinion on Drug Discovery, 2016, 11, 65-77.	2.5	74
85	Molecular Plasticity of the Human Voltage-Dependent Anion Channel Embedded Into a Membrane. Structure, 2016, 24, 585-594.	1.6	36
86	Yeast reveals similar molecular mechanisms underlying alpha- and beta-synuclein toxicity. Human Molecular Genetics, 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. Biomolecular NMR Assignments, 2016, 10, 79-83.	0.4	8
88	Retention and splicing complex (RES) â€“ the importance of cooperativity. RNA Biology, 2016, 13, 128-133.	1.5	12
89	Structures of intermediates during RES complex assembly. Scientific Reports, 2015, 5, 12545.	1.6	7
90	Structure of the mammalian TSPO/PBR protein. Biochemical Society Transactions, 2015, 43, 566-571.	1.6	29

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

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109	Small molecule-mediated stabilization of vesicle-associated helical Î±-synuclein inhibits pathogenic misfolding and aggregation. Nature Communications, 2014, 5, 5857.	5.8	91
110	Long-Range Correlated Dynamics in Intrinsically Disordered Proteins. Journal of the American Chemical Society, 2014, 136, 16201-16209.	6.6	77
111	Cooperative structure of the heterotrimeric pre-mRNA retention and splicing complex. Nature Structural and Molecular Biology, 2014, 21, 911-918.	3.6	28
112	Interaction of the Intermembrane Space Domain of Tim23 Protein with Mitochondrial Membranes. Journal of Biological Chemistry, 2014, 289, 34620-34626.	1.6	15
113	Predictive Atomic Resolution Descriptions of Intrinsically Disordered hTau40 and Î±-Synuclein in Solution from NMR and Small Angle Scattering. Structure, 2014, 22, 238-249.	1.6	171
114	Structure of the Mitochondrial Translocator Protein in Complex with a Diagnostic Ligand. Science, 2014, 343, 1363-1366.	6.0	208
115	Hsp90-Tau Complex Reveals Molecular Basis for Specificity in Chaperone Action. Cell, 2014, 156, 963-974.	13.5	269
116	Internalization routes of cellâ€penetrating melanoma antigen peptides into human dendritic cells. Experimental Dermatology, 2014, 23, 20-26.	1.4	6
117	Nucleotide Interactions of the Human Voltage-dependent Anion Channel. Journal of Biological Chemistry, 2014, 289, 13397-13406.	1.6	27
118	Toward the functional oligomerization state of tryptophanâ€rich sensory proteins. Protein Science, 2014, 23, 1154-1160.	3.1	8
119	Turn Plasticity Distinguishes Different Modes of Amyloid-Î² Aggregation. Journal of the American Chemical Society, 2014, 136, 4913-4919.	6.6	39
120	Molecular Basis of the Dynamic Structure of the TIM23 Complex in the Mitochondrial Intermembrane Space. Structure, 2014, 22, 1501-1511.	1.6	22
121	Exploring Free-Energy Landscapes of Intrinsically Disordered Proteins at Atomic Resolution Using NMR Spectroscopy. Chemical Reviews, 2014, 114, 6632-6660.	23.0	252
122	Î±-Synuclein interacts with the switch region of Rab8a in a Ser129 phosphorylation-dependent manner. Neurobiology of Disease, 2014, 70, 149-161.	2.1	84
123	Characterization of the effects of phosphorylation by CK2 on the structure and binding properties of human HP1Î². FEBS Letters, 2014, 588, 1094-1099.	1.3	11
124	Site-Specific Copper-Catalyzed Oxidation of Î±-Synuclein: Tightening the Link between Metal Binding and Protein Oxidative Damage in Parkinsonâ€™s Disease. Inorganic Chemistry, 2014, 53, 4350-4358.	1.9	68
125	Detection of a transient intramolecular hydrogen bond using 1JNH scalar couplings. Journal of Magnetic Resonance, 2014, 243, 93-97.	1.2	3
126	NMR-Based Detection of Hydrogen/Deuterium Exchange in Liposome-Embedded Membrane Proteins. PLoS ONE, 2014, 9, e112374.	1.1	3

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127	Inhibition of Tau Filament Formation by Conformational Modulation. Journal of the American Chemical Society, 2013, 135, 2853-2862.	6.6	65
128	N-truncated amyloid Î² (AÎ²) 4-42 forms stable aggregates and induces acute and long-lasting behavioral deficits. Acta Neuropathologica, 2013, 126, 189-205.	3.9	153
129	Phosphorylation Drives a Dynamic Switch in Serine/Arginine-Rich Proteins. Structure, 2013, 21, 2162-2174.	1.6	101
130	Predicting the Rotational Tumbling of Dynamic Multidomain Proteins and Supramolecular Complexes. Angewandte Chemie - International Edition, 2013, 52, 11410-11414.	7.2	28
131	Cold denaturation of a protein dimer monitored at atomic resolution. Nature Chemical Biology, 2013, 9, 264-270.	3.9	37
132	Mechanistic Basis of Phenothiazineâ€Driven Inhibition of Tau Aggregation. Angewandte Chemie - International Edition, 2013, 52, 3511-3515.	7.2	127
133	Anle138b: a novel oligomer modulator for disease-modifying therapy of neurodegenerative diseases such as prion and Parkinsonâ€™s disease. Acta Neuropathologica, 2013, 125, 795-813.	3.9	327
134	Nâ€“H Spinâ€“Spin Couplings: Probing Hydrogen Bonds in Proteins. Angewandte Chemie - International Edition, 2013, 52, 3525-3528.	7.2	16
135	Imbalance of Hsp70 family variants fosters tau accumulation. FASEB Journal, 2013, 27, 1450-1459.	0.2	100
136	Phosphorylation of Human Tau Protein by Microtubule Affinity-Regulating Kinase 2. Biochemistry, 2013, 52, 9068-9079.	1.2	65
137	Î²â€synuclein aggregates and induces neurodegeneration in dopaminergic neurons. Annals of Neurology, 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. PLoS Biology, 2013, 11, e1001577.	2.6	148
139	Conserved amyloid core structure of stop mutants of the human prion protein. Prion, 2013, 7, 193-197.	0.9	12
140	Burial of the Polymorphic Residue 129 in Amyloid Fibrils of Prion Stop Mutants. Journal of Biological Chemistry, 2013, 288, 2994-3002.	1.6	17
141	Structural Plasticity in Human Heterochromatin Protein 1Î². PLoS ONE, 2013, 8, e60887.	1.1	24
142	Discovery and Structure Activity Relationship of Small Molecule Inhibitors of Toxic Î²-Amyloid-42 Fibril Formation. Journal of Biological Chemistry, 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 hHP1Î² with the Nucleosome. Journal of Biological Chemistry, 2012, 287, 33756-33765.	1.6	58
144	Aggregate Clearance of Î±-Synuclein in Saccharomyces cerevisiae Depends More on Autophagosome and Vacuole Function Than on the Proteasome. Journal of Biological Chemistry, 2012, 287, 27567-27579.	1.6	66

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145	Determination of amyloid core structure using chemical shifts. Protein Science, 2012, 21, 1948-1953.	3.1	12
146	Mapping the Potential Energy Landscape of Intrinsically Disordered Proteins at Amino Acid Resolution. Journal of the American Chemical Society, 2012, 134, 15138-15148.	6.6	113
147	Î²-Barrel Mobility Underlies Closure of the Voltage-Dependent Anion Channel. Structure, 2012, 20, 1540-1549.	1.6	104
148	Cold-Induced Changes in the Protein Ubiquitin. PLoS ONE, 2012, 7, e37270.	1.1	9
149	Characterization of Molecular Determinants of the Conformational Stability of Macrophage Migration Inhibitory Factor: Leucine 46 Hydrophobic Pocket. PLoS ONE, 2012, 7, e45024.	1.1	9
150	Î²-Sheet Core of Tau Paired Helical Filaments Revealed by Solid-State NMR. Journal of the American Chemical Society, 2012, 134, 13982-13989.	6.6	176
151	Is Enantiomer Assignment Possible by NMR Spectroscopy Using Residual Dipolar Couplings from Chiral Nonracemic Alignment Media?â€"A Critical Assessment. Angewandte Chemie - International Edition, 2012, 51, 8388-8391.	7.2	60
152	Intrinsically Disordered Proteins: From Sequence and Conformational Properties toward Drug Discovery. ChemBioChem, 2012, 13, 930-950.	1.3	85
153	Aggregation of Î±Synuclein promotes progressive in vivo neurotoxicity in adult rat dopaminergic neurons. Acta Neuropathologica, 2012, 123, 671-683.	3.9	96
154	Exploring the Structural Details of Cu(I) Binding to Î±-Synuclein by NMR Spectroscopy. Journal of the American Chemical Society, 2011, 133, 194-196.	6.6	83
155	Toward the Discovery of Effective Polycyclic Inhibitors of Î±-Synuclein Amyloid Assembly. Journal of Biological Chemistry, 2011, 286, 32036-32044.	1.6	43
156	Effect of Zinc Binding on Î²-Amyloid Structure and Dynamics: Implications for AÎ² Aggregation. Biophysical Journal, 2011, 101, 1202-1211.	0.2	87
157	Structural Impact of Proline-Directed Pseudophosphorylation at AT8, AT100, and PHF1 Epitopes on 441-Residue Tau. Journal of the American Chemical Society, 2011, 133, 15842-15845.	6.6	90
158	Interaction between Amyloid Beta Peptide and an Aggregation Blocker Peptide Mimicking Islet Amyloid Polypeptide. PLoS ONE, 2011, 6, e20289.	1.1	40
159	Extracellular phosphorylation of the amyloid Î²-peptide promotes formation of toxic aggregates during the pathogenesis of Alzheimer's disease. EMBO Journal, 2011, 30, 2255-2265.	3.5	160
160	Integrated analysis of the conformation of a protein-linked spin label by crystallography, EPR and NMR spectroscopy. Journal of Biomolecular NMR, 2011, 49, 111-119.	1.6	23
161	Conserved core of amyloid fibrils of wild type and A30P mutant Î±â€synuclein. Protein Science, 2011, 20, 387-395.	3.1	34
162	The Dynamic Structure of Filamentous Tau. Angewandte Chemie - International Edition, 2011, 50, 11520-11524.	7.2	74

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163	TheCaenorhabditis elegansGARP complex contains the conserved Vps51 subunit and is required to maintain lysosomal morphology. Molecular Biology of the Cell, 2011, 22, 2564-2578.	0.9	25
164	Sumoylation inhibits Î±-synuclein aggregation and toxicity. Journal of Cell Biology, 2011, 194, 49-60.	2.3	210
165	Pre-Fibrillar Î±-Synuclein Mutants Cause Parkinson's Disease-Like Non-Motor Symptoms in Drosophila. PLoS ONE, 2011, 6, e24701.	1.1	39
166	NMR Characterization of Long-Range Order in Intrinsically Disordered Proteins. Journal of the American Chemical Society, 2010, 132, 8407-8418.	6.6	276
167	Characterization of Amyloid Fibrils of Human Î²â€2â€Microglobulin by Highâ€Resolution Magicâ€Angle Spinning NMR. ChemBioChem, 2010, 11, 1829-1832.	1.3	6
168	The Native Conformation of the Human VDAC1 Nâ€...Terminus. Angewandte Chemie - International Edition, 2010, 49, 1882-1885.	7.2	67
169	The intermembrane space domain of Tim23 is intrinsically disordered with a distinct binding region for presequences. Protein Science, 2010, 19, 2045-2054.	3.1	40
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