

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8529707/ralf-langen-publications-by-citations.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82 papers	6,689 citations	41 h-index	81 g-index
83 ext. papers	7,424 ext. citations	6.9 avg, IF	5.72 L-index

#	Paper	IF	Citations
82	Recent advances in site-directed spin labeling of proteins. <i>Current Opinion in Structural Biology</i> , 1998 , 8, 649-56	8.1	513
81	Mechanism of endophilin N-BAR domain-mediated membrane curvature. <i>EMBO Journal</i> , 2006 , 25, 2898-910	9.1	437
80	Structure of membrane-bound alpha-synuclein from site-directed spin labeling and computational refinement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 19666-71	11.5	380
79	Structure of membrane-bound alpha-synuclein studied by site-directed spin labeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 8331-6	11.5	311
78	Structural organization of alpha-synuclein fibrils studied by site-directed spin labeling. <i>Journal of Biological Chemistry</i> , 2003 , 278, 37530-5	5.4	282
77	Membrane curvature induction and tubulation are common features of synucleins and apolipoproteins. <i>Journal of Biological Chemistry</i> , 2010 , 285, 32486-93	5.4	231
76	Crystal structures of spin labeled T4 lysozyme mutants: implications for the interpretation of EPR spectra in terms of structure. <i>Biochemistry</i> , 2000 , 39, 8396-405	3.2	231
75	Structure and analysis of FCHo2 F-BAR domain: a dimerizing and membrane recruitment module that effects membrane curvature. <i>Structure</i> , 2007 , 15, 839-52	5.2	225
74	Lipid membranes modulate the structure of islet amyloid polypeptide. <i>Biochemistry</i> , 2005 , 44, 12113-9	3.2	225
73	Template-assisted filament growth by parallel stacking of tau. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 10278-83	11.5	223
72	Pericyte degeneration causes white matter dysfunction in the mouse central nervous system. <i>Nature Medicine</i> , 2018 , 24, 326-337	50.5	211
71	Investigation of alpha-synuclein fibril structure by site-directed spin labeling. <i>Journal of Biological Chemistry</i> , 2007 , 282, 24970-9	5.4	200
70	Structure of alpha-helical membrane-bound human islet amyloid polypeptide and its implications for membrane-mediated misfolding. <i>Journal of Biological Chemistry</i> , 2008 , 283, 17205-10	5.4	153
69	O-GlcNAc modification blocks the aggregation and toxicity of the protein Eynuclein associated with Parkinson's disease. <i>Nature Chemistry</i> , 2015 , 7, 913-20	17.6	146
68	Membrane interaction of islet amyloid polypeptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 2002-9	3.8	144
67	Fibrils with parallel in-register structure constitute a major class of amyloid fibrils: molecular insights from electron paramagnetic resonance spectroscopy. <i>Quarterly Reviews of Biophysics</i> , 2008 , 41, 265-97	7	142
66	Drusen deposits associated with aging and age-related macular degeneration contain nonfibrillar amyloid oligomers. <i>Journal of Clinical Investigation</i> , 2006 , 116, 378-85	15.9	135

65	Identifying structural features of fibrillar islet amyloid polypeptide using site-directed spin labeling. <i>Journal of Biological Chemistry</i> , 2004 , 279, 48420-5	5.4	126
64	Fibril structure of human islet amyloid polypeptide. <i>Journal of Biological Chemistry</i> , 2012 , 287, 5235-41	5.4	122
63	Soluble and mature amyloid fibrils in drusen deposits 2010 , 51, 1304-10		112
62	A combinatorial NMR and EPR approach for evaluating the structural ensemble of partially folded proteins. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8657-68	16.4	109
61	Structure and dynamics of a helical hairpin and loop region in annexin 12: a site-directed spin labeling study. <i>Biochemistry</i> , 2002 , 41, 1464-73	3.2	103
60	Structural features of the C-terminal domain of bovine rhodopsin: a site-directed spin-labeling study. <i>Biochemistry</i> , 1999 , 38, 7918-24	3.2	97
59	Membrane curvature sensing by amphipathic helices: a single liposome study using β -synuclein and annexin B12. <i>Journal of Biological Chemistry</i> , 2011 , 286, 42603-42614	5.4	89
58	Remodeling of lipid vesicles into cylindrical micelles by β -synuclein in an extended β -helical conformation. <i>Journal of Biological Chemistry</i> , 2012 , 287, 29301-11	5.4	86
57	Membrane-mediated assembly of annexins studied by site-directed spin labeling. <i>Journal of Biological Chemistry</i> , 1998 , 273, 22453-7	5.4	82
56	The effect of curcumin on human islet amyloid polypeptide misfolding and toxicity. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2010 , 17, 118-28	2.7	76
55	Annexins V and XII insert into bilayers at mildly acidic pH and form ion channels. <i>Biochemistry</i> , 2000 , 39, 3015-22	3.2	76
54	Endophilin A1 induces different membrane shapes using a conformational switch that is regulated by phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 6982-7	11.5	69
53	Structural features and domain organization of huntingtin fibrils. <i>Journal of Biological Chemistry</i> , 2012 , 287, 31739-46	5.4	68
52	Engineering a polarity-sensitive biosensor for time-lapse imaging of apoptotic processes and degeneration. <i>Nature Methods</i> , 2010 , 7, 67-73	21.6	62
51	Hydration dynamics as an intrinsic ruler for refining protein structure at lipid membrane interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 16838-43	11.5	60
50	Roles of amphipathic helices and the bin/amphiphysin/rvs (BAR) domain of endophilin in membrane curvature generation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 20164-70	5.4	58
49	β -Synuclein oligomers with broken helical conformation form lipoprotein nanoparticles. <i>Journal of Biological Chemistry</i> , 2013 , 288, 17620-30	5.4	54
48	Stacked sets of parallel, in-register beta-strands of beta2-microglobulin in amyloid fibrils revealed by site-directed spin labeling and chemical labeling. <i>Journal of Biological Chemistry</i> , 2010 , 285, 17137-47	5.4	54

47	Computer modeling of nitroxide spin labels on proteins. <i>Biopolymers</i> , 2012 , 97, 35-44	2.2	50
46	Solid-State Nuclear Magnetic Resonance on the Static and Dynamic Domains of Huntingtin Exon-1 Fibrils. <i>Biochemistry</i> , 2015 , 54, 3942-9	3.2	47
45	A compact beta model of huntingtin toxicity. <i>Journal of Biological Chemistry</i> , 2011 , 286, 8188-8196	5.4	47
44	Membrane binding and self-association of the epsin N-terminal homology domain. <i>Journal of Molecular Biology</i> , 2012 , 423, 800-17	6.5	44
43	Formation of soluble amyloid oligomers and amyloid fibrils by the multifunctional protein vitronectin. <i>Molecular Neurodegeneration</i> , 2008 , 3, 16	19	42
42	The conserved core domains of annexins A1, A2, A5, and B12 can be divided into two groups with different Ca ²⁺ -dependent membrane-binding properties. <i>Biochemistry</i> , 2005 , 44, 2833-44	3.2	42
41	βSynuclein Amyloid Fibrils with Two Entwined, Asymmetrically Associated Protofibrils. <i>Journal of Biological Chemistry</i> , 2016 , 291, 2310-8	5.4	41
40	Multiple modes of endophilin-mediated conversion of lipid vesicles into coated tubes: implications for synaptic endocytosis. <i>Journal of Biological Chemistry</i> , 2010 , 285, 23351-8	5.4	41
39	Hydration Dynamics of a Peripheral Membrane Protein. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11526-35	16.4	40
38	Tubulation by amphiphysin requires concentration-dependent switching from wedging to scaffolding. <i>Structure</i> , 2015 , 23, 873-881	5.2	39
37	The 17-residue-long N terminus in huntingtin controls stepwise aggregation in solution and on membranes via different mechanisms. <i>Journal of Biological Chemistry</i> , 2018 , 293, 2597-2605	5.4	37
36	Spin labeling analysis of amyloids and other protein aggregates. <i>Methods in Enzymology</i> , 2006 , 413, 122-39	3.7	37
35	The Habc domain and the SNARE core complex are connected by a highly flexible linker. <i>Biochemistry</i> , 2003 , 42, 4009-14	3.2	34
34	Structural insights into membrane interaction and caveolar targeting of dynamin-like EHD2. <i>Structure</i> , 2014 , 22, 409-420	5.2	30
33	The Mitochondrial-Derived Peptides, HumaninS14G and Small Humanin-like Peptide 2, Exhibit Chaperone-like Activity. <i>Scientific Reports</i> , 2017 , 7, 7802	4.9	29
32	Membrane Curvature-sensing and Curvature-inducing Activity of Islet Amyloid Polypeptide and Its Implications for Membrane Disruption. <i>Journal of Biological Chemistry</i> , 2015 , 290, 25782-93	5.4	28
31	Polyglutamine- and temperature-dependent conformational rigidity in mutant huntingtin revealed by immunoassays and circular dichroism spectroscopy. <i>PLoS ONE</i> , 2014 , 9, e112262	3.7	28
30	Membranes as modulators of amyloid protein misfolding and target of toxicity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 1863-1875	3.8	26

29	Structural insights into the activation mechanism of dynamin-like EHD ATPases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 5629-5634	11.5	25
28	Structural Mechanisms of Mutant Huntingtin Aggregation Suppression by the Synthetic Chaperonin-like CCT5 Complex Explained by Cryoelectron Tomography. <i>Journal of Biological Chemistry</i> , 2015 , 290, 17451-61	5.4	25
27	Heterotetrameric annexin A2/S100A10 (A2t) is essential for oncogenic human papillomavirus trafficking and capsid disassembly, and protects virions from lysosomal degradation. <i>Scientific Reports</i> , 2018 , 8, 11642	4.9	24
26	Identification and Structural Characterization of the N-terminal Amyloid Core of Orb2 isoform A. <i>Scientific Reports</i> , 2016 , 6, 38265	4.9	23
25	Annexin B12 is a sensor of membrane curvature and undergoes major curvature-dependent structural changes. <i>Journal of Biological Chemistry</i> , 2007 , 282, 9996-10004	5.4	20
24	The Folding equilibrium of huntingtin exon 1 monomer depends on its polyglutamine tract. <i>Journal of Biological Chemistry</i> , 2018 , 293, 19613-19623	5.4	19
23	A novel calcium-independent peripheral membrane-bound form of annexin B12. <i>Biochemistry</i> , 2006 , 45, 934-42	3.2	18
22	Structure and dynamics of a helical hairpin that mediates calcium-dependent membrane binding of annexin B12. <i>Journal of Biological Chemistry</i> , 2004 , 279, 32492-8	5.4	18
21	A helical hairpin region of soluble annexin B12 refolds and forms a continuous transmembrane helix at mildly acidic pH. <i>Journal of Biological Chemistry</i> , 2005 , 280, 32398-404	5.4	18
20	Global structural changes in annexin 12. The roles of phospholipid, Ca ²⁺ , and pH. <i>Journal of Biological Chemistry</i> , 2003 , 278, 30227-34	5.4	16
19	The Mitochondrial Peptide Humanin Targets but Does Not Denature Amyloid Oligomers in Type II Diabetes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14168-14179	16.4	13
18	Lipid-modulation of membrane insertion and refolding of the apoptotic inhibitor Bcl-xL. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019 , 1867, 691-700	4	13
17	Identification of distinct conformations associated with monomers and fibril assemblies of mutant huntingtin. <i>Human Molecular Genetics</i> , 2018 , 27, 2330-2343	5.6	12
16	Structure of Membrane-Bound Huntingtin Exon 1 Reveals Membrane Interaction and Aggregation Mechanisms. <i>Structure</i> , 2019 , 27, 1570-1580.e4	5.2	11
15	Computer Modeling of Spin Labels: NASNOX, PRONOX, and ALLNOX. <i>Methods in Enzymology</i> , 2015 , 563, 569-93	1.7	9
14	Calcium- and membrane-induced changes in the structure and dynamics of three helical hairpins in annexin B12. <i>Biochemistry</i> , 2005 , 44, 16435-44	3.2	9
13	Membrane remodeling by amyloidogenic and non-amyloidogenic proteins studied by EPR. <i>Journal of Magnetic Resonance</i> , 2017 , 280, 127-139	3	8
12	Diabetic Risk Factors Promote Islet Amyloid Polypeptide Misfolding by a Common, Membrane-mediated Mechanism. <i>Scientific Reports</i> , 2016 , 6, 31094	4.9	8

11	Discovery of Small Molecule Inhibitors of Huntingtin Exon 1 Aggregation by FRET-Based High-Throughput Screening in Living Cells. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 2286-2295	5.7	7
10	Structural Model of the Proline-Rich Domain of Huntingtin Exon-1 Fibrils. <i>Biophysical Journal</i> , 2020 , 119, 2019-2028	2.9	4
9	Annexin B12 Trimer Formation is Governed by a Network of Protein-Protein and Protein-Lipid Interactions. <i>Scientific Reports</i> , 2020 , 10, 5301	4.9	3
8	Directed Supramolecular Organization of N-BAR Proteins through Regulation of H0 Membrane Immersion Depth. <i>Scientific Reports</i> , 2018 , 8, 16383	4.9	3
7	An Amphipathic Alpha-Helix Domain from Poliovirus 2C Protein Tubulate Lipid Vesicles. <i>Viruses</i> , 2020 , 12,	6.2	2
6	Structural Characterization of Membrane-Curving Proteins: Site-Directed Spin Labeling, EPR, and Computational Refinement. <i>Methods in Enzymology</i> , 2015 , 564, 259-88	1.7	2
5	Lysine acetylation regulates the interaction between proteins and membranes. <i>Nature Communications</i> , 2021 , 12, 6466	17.4	2
4	Huntingtin fibrils with different toxicity, structure, and seeding potential can be interconverted. <i>Nature Communications</i> , 2021 , 12, 4272	17.4	2
3	Huntingtin fibrils with different toxicity, structure, and seeding potential can be reversibly interconverted		1
2	Amplification of neurotoxic HTTex1 assemblies in human neurons. <i>Neurobiology of Disease</i> , 2021 , 159, 105517	7.5	0
1	A new biochemical method for ultra-purification of amyloids from Alzheimer's disease brain tissues.. <i>Alzheimers and Dementia</i> , 2021 , 17 Suppl 3, e054185	1.2	