

Hartmut H Niemann

List of Publications by Year in descending order

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48
papers

1,632
citations

331670

21
h-index

302126

39
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48
all docs

48
docs citations

48
times ranked

2215
citing authors

#	ARTICLE	IF	CITATIONS
1	Lethal recessive myelin toxicity of prion protein lacking its central domain. <i>EMBO Journal</i> , 2007, 26, 538-547.	7.8	202
2	Structure of the Human Receptor Tyrosine Kinase Met in Complex with the <i>Listeria</i> Invasion Protein InlB. <i>Cell</i> , 2007, 130, 235-246.	28.9	147
3	Role of β -turn residues in β -hairpin formation and stability in designed peptides 1 Edited by A.R. Fersht. <i>Journal of Molecular Biology</i> , 1997, 273, 898-912.	4.2	134
4	Adhesins and invasins of pathogenic bacteria: a structural view. <i>Microbes and Infection</i> , 2004, 6, 101-112.	1.9	102
5	A Helical RGD Motif Promoting Cell Adhesion: Crystal Structures of the <i>Helicobacter pylori</i> Type IV Secretion System Pilus Protein CagL. <i>Structure</i> , 2013, 21, 1931-1941.	3.3	70
6	Structure of the <i>Yersinia enterocolitica</i> Type III Secretion Translocator Chaperone SycD. <i>Journal of Molecular Biology</i> , 2008, 375, 997-1012.	4.2	63
7	The nuclear distribution of Polycomb during <i>Drosophila melanogaster</i> development shown with a GFP fusion protein. <i>Chromosoma</i> , 1999, 108, 83-94.	2.2	62
8	A flavin-dependent halogenase from metagenomic analysis prefers bromination over chlorination. <i>PLoS ONE</i> , 2018, 13, e0196797.	2.5	57
9	Cdc42 and Phosphoinositide 3-Kinase Drive Rac-Mediated Actin Polymerization Downstream of c-Met in Distinct and Common Pathways. <i>Molecular and Cellular Biology</i> , 2007, 27, 6615-6628.	2.3	47
10	Single-molecule photobleaching reveals increased MET receptor dimerization upon ligand binding in intact cells. <i>BMC Biophysics</i> , 2013, 6, 6.	4.4	47
11	Structure-based switch of regioselectivity in the flavin-dependent tryptophan 6-halogenase Thal. <i>Journal of Biological Chemistry</i> , 2019, 294, 2529-2542.	3.4	46
12	The dynamin A ring complex: molecular organization and nucleotide-dependent conformational changes. <i>EMBO Journal</i> , 2002, 21, 240-250.	7.8	43
13	Aromatic amino acids at the surface of InlB are essential for host cell invasion by <i>Listeria monocytogenes</i> . <i>Molecular Microbiology</i> , 2003, 48, 1525-1536.	2.5	43
14	Ligand-Mediated Dimerization of the Met Receptor Tyrosine Kinase by the Bacterial Invasion Protein InlB. <i>Journal of Molecular Biology</i> , 2010, 395, 522-532.	4.2	43
15	Fold and Function of the InlB B-repeat. <i>Journal of Biological Chemistry</i> , 2011, 286, 15496-15506.	3.4	38
16	X-ray and Neutron Small-Angle Scattering Analysis of the Complex Formed by the Met Receptor and the <i>Listeria monocytogenes</i> Invasion Protein InlB. <i>Journal of Molecular Biology</i> , 2008, 377, 489-500.	4.2	34
17	Structural insights into Met receptor activation. <i>European Journal of Cell Biology</i> , 2011, 90, 972-981.	3.6	31
18	Crystal structure of <i>Yersinia enterocolitica</i> type III secretion chaperone SycT. <i>Protein Science</i> , 2005, 14, 1993-2002.	7.6	30

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19	Receptor–Ligand Interactions: Binding Affinities Studied by Single-Molecule and Super-Resolution Microscopy on Intact Cells. <i>ChemPhysChem</i> , 2014, 15, 671-676.	2.1	28
20	Adhesion of Several Cell Lines to <i>Helicobacter pylori</i> CagL Is Mediated by Integrin $\alpha 2 \beta 6$ via an RGDXXL Motif. <i>Journal of Molecular Biology</i> , 2015, 427, 1304-1315.	4.2	27
21	Crystal structure of the <i>Yersinia enterocolitica</i> type III secretion chaperone SycD in complex with a peptide of the minor translocator YopD. <i>BMC Structural Biology</i> , 2012, 12, 13.	2.3	23
22	Competitive Binding Study Revealing the Influence of Fluorophore Labels on Biomolecular Interactions. <i>Nano Letters</i> , 2019, 19, 8245-8249.	9.1	23
23	Structural basis of MET receptor dimerization by the bacterial invasion protein InlB and the HGF/SF splice variant NK1. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 2195-2204.	2.3	22
24	Binding of FAD and tryptophan to the tryptophan 6-halogenase Thal is negatively coupled. <i>Protein Science</i> , 2019, 28, 2112-2118.	7.6	21
25	Inhibition of the MET Kinase Activity and Cell Growth in MET-Addicted Cancer Cells by Bi-Paratopic Linking. <i>Journal of Molecular Biology</i> , 2019, 431, 2020-2039.	4.2	20
26	The unusual extended C-terminal helix of the peroxisomal $\beta 2$ -hydrolase Lpx1 is involved in dimer contacts but dispensable for dimerization. <i>Journal of Structural Biology</i> , 2011, 175, 362-371.	2.8	19
27	Structure of a three-dimensional domain-swapped dimer of the <i>Helicobacter pylori</i> type IV secretion system pilus protein CagL. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1391-1400.	2.5	19
28	Structure of <i>Rhodococcus equi</i> virulence-associated protein B (VapB) reveals an eight-stranded antiparallel $\beta 2$ -barrel consisting of two Greek-key motifs. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 866-871.	0.8	17
29	Live cell imaging shows hepatocyte growth factor-induced Met dimerization. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1552-1558.	4.1	17
30	Direct binding of hepatocyte growth factor and vascular endothelial growth factor to CD44v6. <i>Bioscience Reports</i> , 2015, 35, .	2.4	16
31	Specific high affinity interaction of <i>Helicobacter pylori</i> CagL with integrin $\alpha V \beta 6$ promotes type IV secretion of CagA into human cells. <i>FEBS Journal</i> , 2019, 286, 3980-3997.	4.7	16
32	Barnase Fusion as a Tool to Determine the Crystal Structure of the Small Disulfide-rich Protein McoEeTI. <i>Journal of Molecular Biology</i> , 2006, 356, 1-8.	4.2	15
33	Membrane dynamics of resting and internalin B-bound MET receptor tyrosine kinase studied by single-molecule tracking. <i>FEBS Open Bio</i> , 2017, 7, 1422-1440.	2.3	15
34	Structure of Halorhodopsin from <i>Halobacterium salinarum</i> in a new crystal form that imposes little restraint on the E-F loop. <i>Journal of Structural Biology</i> , 2015, 190, 373-378.	2.8	14
35	Crystal structure of an engineered YopM-InlB hybrid protein. <i>BMC Structural Biology</i> , 2014, 14, 12.	2.3	11
36	Engineered variants of InlB with an additional leucine-rich repeat discriminate between physiologically relevant and packing contacts in crystal structures of the InlB:MET complex. <i>Protein Science</i> , 2012, 21, 1528-1539.	7.6	9

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37	Direct interaction of a chaperone-bound type III secretion substrate with the export gate. <i>Nature Communications</i> , 2022, 13, .	12.8	9
38	Microdeletions within the hydrophobic core region of cellular prion protein alter its topology and metabolism. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 439-444.	2.1	8
39	MET-activating Residues in the B-repeat of the <i>Listeria monocytogenes</i> Invasion Protein InlB. <i>Journal of Biological Chemistry</i> , 2016, 291, 25567-25577.	3.4	8
40	Distinguishing Between Monomeric scFv and Diabody in Solution Using Light and Small Angle X-ray Scattering. <i>Antibodies</i> , 2019, 8, 48.	2.5	7
41	Structural Characterization of an S-enantioselective Imine Reductase from <i>Mycobacterium Smegmatis</i> . <i>Biomolecules</i> , 2020, 10, 1130.	4.0	7
42	Structure of apo flavin-dependent halogenase Xcc4156 hints at a reason for cofactor-soaking difficulties. <i>Acta Crystallographica Section D: Structural Biology</i> , 2020, 76, 687-697.	2.3	6
43	The Formation of New Nucleoli During Macronuclear Development of the Hypotrichous Ciliate <i>Stylonychia lemnae</i> Visualized by in situ Hybridization. <i>Chromosome Research</i> , 1997, 5, 333-335.	2.2	5
44	Crystal structure of <i>Halobacterium salinarum</i> halorhodopsin with a partially depopulated primary chloride-binding site. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 692-699.	0.8	5
45	Conformational changes of loops highlight a potential binding site in <i>Rhodococcus equi</i> VapB. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2021, 77, 246-253.	0.8	3
46	Perfect merohedral twinning combined with noncrystallographic symmetry potentially causes the failure of molecular replacement with low-homology search models for the flavin-dependent halogenase HalX from <i>Xanthomonas campestris</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018, 74, 345-350.	0.8	1
47	Not Cleaving the His-tag of Thal Results in More Tightly Packed and Better-Diffracting Crystals. <i>Crystals</i> , 2020, 10, 1135.	2.2	1
48	A recurring packing contact in crystals of InlB pinpoints functional binding sites in the internalin domain and the B repeat. <i>Acta Crystallographica Section D: Structural Biology</i> , 2022, 78, 310-320.	2.3	1