

Christian Freund

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,156
citations

331670

21
h-index

265206

42
g-index

70
all docs

70
docs citations

70
times ranked

3287
citing authors

#	ARTICLE	IF	CITATIONS
1	Sortaseâ€vermittelte Multiâ€Fragmentâ€Kopplung durch Ligationsstellenâ€Schaltung. <i>Angewandte Chemie</i> , 2022, 134, e202109032.	2.0	2
2	Sortaseâ€Mediated Multiâ€Fragment Assemblies by Ligation Site Switching. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	14
3	The intrinsically disordered TSSC4 protein acts as a helicase inhibitor, placeholder and multi-interaction coordinator during snRNP assembly and recycling. <i>Nucleic Acids Research</i> , 2022, 50, 2938-2958.	14.5	11
4	A multi-factor trafficking site on the spliceosome remodeling enzyme BRR2 recruits C9ORF78 to regulate alternative splicing. <i>Nature Communications</i> , 2022, 13, 1132.	12.8	7
5	The synaptic scaffold protein MPP2 interacts with GABAA receptors at the periphery of the postsynaptic density of glutamatergic synapses. <i>PLoS Biology</i> , 2022, 20, e3001503.	5.6	6
6	Target Recognition in Tandem WW Domains: Complex Structures for Parallel and Antiparallel Ligand Orientation in h-FBP21 Tandem WW. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 6586-6601.	5.4	3
7	Engineered Sortases in Peptide and Protein Chemistry. <i>ChemBioChem</i> , 2021, 22, 1347-1356.	2.6	29
8	<sc>NS1</sc> â€mediated upregulation of <sc>ZDHHC22</sc> acyltransferase in influenza a virus infected cells. <i>Cellular Microbiology</i> , 2021, 23, e13322.	2.1	4
9	Major histocompatibility complex (MHC) class I and class II proteins: impact of polymorphism on antigen presentation. <i>Current Opinion in Immunology</i> , 2021, 70, 95-104.	5.5	23
10	Exchange catalysis by tapasin exploits conserved and allele-specific features of MHC-I molecules. <i>Nature Communications</i> , 2021, 12, 4236.	12.8	20
11	The Multiple Roles of the Cytosolic Adapter Proteins ADAP, SKAP1 and SKAP2 for TCR/CD3 -Mediated Signaling Events. <i>Frontiers in Immunology</i> , 2021, 12, 703534.	4.8	13
12	Functional analysis of peripheral and intratumoral neoantigen-specific TCRs identified in a patient with melanoma. , 2021, 9, e002754.		7
13	Synthesis and functionalization of dendritic polyglycerol-based nanogels: application in T cell activation. <i>Journal of Materials Chemistry B</i> , 2021, 10, 96-106.	5.8	8
14	Distinct editing functions of natural HLA-DM allotypes impact antigen presentation and CD4+ T cell activation. <i>Cellular and Molecular Immunology</i> , 2020, 17, 133-142.	10.5	17
15	Dynamic palmitoylation events following T-cell receptor signaling. <i>Communications Biology</i> , 2020, 3, 368.	4.4	19
16	Human Hepatitis B Viral Infection Outcomes Are Linked to Naturally Occurring Variants of <i>HLA-DOA</i> That Have Altered Function. <i>Journal of Immunology</i> , 2020, 205, 923-935.	0.8	8
17	Splicing-accessible coding 3â€UTRs control protein stability and interaction networks. <i>Genome Biology</i> , 2020, 21, 186.	8.8	13
18	Revisiting nonclassical <sc>HLA II</sc> functions in antigen presentation: Peptide editing and its modulation. <i>Hla</i> , 2020, 96, 415-429.	0.6	20

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19	The Na,K-ATPase acts upstream of phosphoinositide PI(4,5)P2 facilitating unconventional secretion of Fibroblast Growth Factor 2. <i>Communications Biology</i> , 2020, 3, 141.	4.4	21
20	Epilepsy-causing STX1B mutations translate altered protein functions into distinct phenotypes in mouse neurons. <i>Brain</i> , 2020, 143, 2119-2138.	7.6	15
21	Intersectin-Mediated Clearance of SNARE Complexes Is Required for Fast Neurotransmission. <i>Cell Reports</i> , 2020, 30, 409-420.e6.	6.4	22
22	CD4+ Th immunogenicity of the <i>Ascaris</i> spp. secreted products. <i>Npj Vaccines</i> , 2020, 5, 25.	6.0	9
23	A Missing Switch in Peptide Exchange for MHC Class II Molecules. <i>Frontiers in Immunology</i> , 2019, 10, 2513.	4.8	5
24	Blood Flow Suppresses Vascular Anomalies in a Zebrafish Model of Cerebral Cavernous Malformations. <i>Circulation Research</i> , 2019, 125, e43-e54.	4.5	20
25	Exon Inclusion Modulates Conformational Plasticity and Autoinhibition of the Intersectin 1 SH3A Domain. <i>Structure</i> , 2019, 27, 977-987.e5.	3.3	4
26	Phosphorylation of the Bruchpilot N-terminus unlocks axonal transport of active zone building blocks. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	5
27	FBP21's C-Terminal Domain Remains Dynamic When Wrapped around the c-Sec63 Unit of Brr2 Helicase. <i>Biophysical Journal</i> , 2019, 116, 406-418.	0.5	2
28	Intramolecular domain dynamics regulate synaptic MAGUK protein interactions. <i>ELife</i> , 2019, 8, .	6.0	33
29	Intrinsically Disordered Protein Ntr2 Modulates the Spliceosomal RNA Helicase Brr2. <i>Biophysical Journal</i> , 2018, 114, 788-799.	0.5	15
30	Filamin A Phosphorylation at Serine 2152 by the Serine/Threonine Kinase Ndr2 Controls TCR-Induced LFA-1 Activation in T Cells. <i>Frontiers in Immunology</i> , 2018, 9, 2852.	4.8	20
31	Structure-Function Relationship of XCL1 Used for in vivo Targeting of Antigen Into XCR1+ Dendritic Cells. <i>Frontiers in Immunology</i> , 2018, 9, 2806.	4.8	17
32	The GTPase ARFRP1 affects lipid droplet protein composition and triglyceride release from intracellular storage of intestinal Caco-2 cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 259-265.	2.1	3
33	Understanding the elusive protein corona of thermoresponsive nanogels. <i>Nanomedicine</i> , 2018, 13, 2657-2668.	3.3	22
34	Quantification of HLA-DM-Dependent Major Histocompatibility Complex of Class II Immunopeptidomes by the Peptide Landscape Antigenic Epitope Alignment Utility. <i>Frontiers in Immunology</i> , 2018, 9, 872.	4.8	38
35	The differentiation and plasticity of Tc17 cells are regulated by CTLA-4-mediated effects on STATs. <i>Oncolmmunology</i> , 2017, 6, e1273300.	4.6	24
36	D120 and K152 within the PH Domain of T Cell Adapter SKAP55 Regulate Plasma Membrane Targeting of SKAP55 and LFA-1 Affinity Modulation in Human T Lymphocytes. <i>Molecular and Cellular Biology</i> , 2017, 37, .	2.3	11

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37	Engineering sortase A by screening a second-generation library using phage display. <i>Journal of Peptide Science</i> , 2017, 23, 631-635.	1.4	25
38	The guanine-nucleotide exchange factor CalDAG GEF1 fine-tunes functional properties of regulatory T cells. <i>European Journal of Microbiology and Immunology</i> , 2017, 7, 112-126.	2.8	4
39	Protein-peptide association kinetics beyond the seconds timescale from atomistic simulations. <i>Nature Communications</i> , 2017, 8, 1095.	12.8	137
40	A Coincidence Detection Mechanism Controls PX-BAR Domain-Mediated Endocytic Membrane Remodeling via an Allosteric Structural Switch. <i>Developmental Cell</i> , 2017, 43, 522-529.e4.	7.0	32
41	Intersectin associates with synapsin and regulates its nanoscale localization and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12057-12062.	7.1	47
42	Identification of sortase substrates by specificity profiling. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5002-5007.	3.0	28
43	A new role for FBP21 as regulator of Brr2 helicase activity. <i>Nucleic Acids Research</i> , 2017, 45, 7922-7937.	14.5	24
44	Major Histocompatibility Complex (MHC) Class I and MHC Class II Proteins: Conformational Plasticity in Antigen Presentation. <i>Frontiers in Immunology</i> , 2017, 8, 292.	4.8	657
45	Human leukocyte Antigen-DM polymorphisms in autoimmune diseases. <i>Open Biology</i> , 2016, 6, 160165.	3.6	29
46	MHC class II complexes sample intermediate states along the peptide exchange pathway. <i>Nature Communications</i> , 2016, 7, 13224.	12.8	40
47	Tyrosine-phosphorylation of the scaffold protein ADAP and its role in T cell signaling. <i>Expert Review of Proteomics</i> , 2016, 13, 545-554.	3.0	4
48	Imaging Human Immune Cell Infiltration in a Xenograft Graft-Versus-Host Disease Model. <i>Blood</i> , 2016, 128, 5720-5720.	1.4	0
49	Vesicle uncoating regulated by SH^3 - SH^3 domain-mediated complex formation between endophilin and intersectin at synapses. <i>EMBO Reports</i> , 2015, 16, 232-239.	4.5	40
50	Exploring monovalent and multivalent peptides for the inhibition of FBP21-tWW. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 701-706.	2.2	12
51	Peptide-polymer ligands for a tandem WW-domain, an adaptive multivalent protein-protein interaction: lessons on the thermodynamic fitness of flexible ligands. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 837-847.	2.2	11
52	HLA-DMA Polymorphisms Differentially Affect MHC Class II Peptide Loading. <i>Journal of Immunology</i> , 2015, 194, 803-816.	0.8	26
53	Quantitative analysis of the human T cell palmitome. <i>Scientific Reports</i> , 2015, 5, 11598.	3.3	38
54	Analysis of Phosphorylation-dependent Protein Interactions of Adhesion and Degranulation Promoting Adaptor Protein (ADAP) Reveals Novel Interaction Partners Required for Chemokine-directed T cell Migration. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2961-2972.	3.8	8

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55	The GYF domain protein CD2BP2 is critical for embryogenesis and podocyte function. <i>Journal of Molecular Cell Biology</i> , 2015, 7, 402-414.	3.3	9
56	Susceptibility to HLA-DM Protein Is Determined by a Dynamic Conformation of Major Histocompatibility Complex Class II Molecule Bound with Peptide. <i>Journal of Biological Chemistry</i> , 2014, 289, 23449-23464.	3.4	49
57	Development of an antibody-based, modular biosensor for ¹²⁹ Xe NMR molecular imaging of cells at nanomolar concentrations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11697-11702.	7.1	98
58	Röntgenbild: Cell Tracking with Caged Xenon: Using Cryptophanes as MRI Reporters upon Cellular Internalization (<i>Angew. Chem.</i> 2/2014). <i>Angewandte Chemie</i> , 2014, 126, 612-612.	2.0	0
59	Directed Evolution of Sortase A Mutants with Altered Substrate Selectivity Profiles. <i>Journal of the American Chemical Society</i> , 2011, 133, 17536-17539.	13.7	109
60	Characterization of Structural Features Controlling the Receptiveness of Empty Class II MHC Molecules. <i>PLoS ONE</i> , 2011, 6, e18662.	2.5	31
61	Bidirectional binding of invariant chain peptides to an MHC class II molecule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22219-22224.	7.1	67
62	A Xenon-129 Biosensor for Monitoring MHC-Peptide Interactions. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4142-4145.	13.8	80