

Gert Weber

List of Publications by Year in descending order

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36
papers

3,001
citations

331670

21
h-index

361022

35
g-index

38
all docs

38
docs citations

38
times ranked

3540
citing authors

#	ARTICLE	IF	CITATIONS
1	Helical extension of the neuronal SNARE complex into the membrane. <i>Nature</i> , 2009, 460, 525-528.	27.8	368
2	Structure of the plastic-degrading <i>Ideonella sakaiensis</i> MHEase bound to a substrate. <i>Nature Communications</i> , 2019, 10, 1717.	12.8	265
3	A reversibly photoswitchable GFP-like protein with fluorescence excitation decoupled from switching. <i>Nature Biotechnology</i> , 2011, 29, 942-947.	17.5	254
4	Structure and mechanism of the reversible photoswitch of a fluorescent protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13070-13074.	7.1	253
5	Structural basis for reversible photoswitching in Dronpa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13005-13009.	7.1	250
6	U1 small nuclear ribonucleoprotein immune complexes induce type I interferon in plasmacytoid dendritic cells through TLR7. <i>Blood</i> , 2006, 107, 3229-3234.	1.4	241
7	1.8 Å... bright-state structure of the reversibly switchable fluorescent protein Dronpa guides the generation of fast switching variants. <i>Biochemical Journal</i> , 2007, 402, 35-42.	3.7	228
8	Coilin-dependent snRNP assembly is essential for zebrafish embryogenesis. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 403-409.	8.2	145
9	Functional organization of the Sm core in the crystal structure of human U1 snRNP. <i>EMBO Journal</i> , 2010, 29, 4172-4184.	7.8	115
10	Mechanism-Based Design of Efficient PET Hydrolases. <i>ACS Catalysis</i> , 2022, 12, 3382-3396.	11.2	104
11	Structural and Functional Analysis of the <i>E. coli</i> NusB-S10 Transcription Antitermination Complex. <i>Molecular Cell</i> , 2008, 32, 791-802.	9.7	95
12	Structural basis for functional cooperation between tandem helicase cassettes in Brr2-mediated remodeling of the spliceosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17418-17423.	7.1	85
13	IFN- γ Production by Plasmacytoid Dendritic Cells Stimulated with RNA-Containing Immune Complexes Is Promoted by NK Cells via MIP-1 β and LFA-1. <i>Journal of Immunology</i> , 2011, 186, 5085-5094.	0.8	80
14	Molecular Basis of the Light-driven Switching of the Photochromic Fluorescent Protein Padron. <i>Journal of Biological Chemistry</i> , 2010, 285, 14603-14609.	3.4	65
15	Structural basis for λ -N-dependent processive transcription antitermination. <i>Nature Microbiology</i> , 2017, 2, 17062.	13.3	58
16	B lymphocytes enhance interferon- γ production by plasmacytoid dendritic cells. <i>Arthritis and Rheumatism</i> , 2012, 64, 3409-3419.	6.7	52
17	DYW domain structures imply an unusual regulation principle in plant organellar RNA editing catalysis. <i>Nature Catalysis</i> , 2021, 4, 510-522.	34.4	37
18	Mechanism for Aar2p function as a U5 snRNP assembly factor. <i>Genes and Development</i> , 2011, 25, 1601-1612.	5.9	35

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19	IFN- λ production by plasmacytoid dendritic cell associations with polymorphisms in gene loci related to autoimmune and inflammatory diseases. <i>Human Molecular Genetics</i> , 2015, 24, 3571-3581.	2.9	33
20	Crystal structures of the <i>Arabidopsis thaliana</i> organellar RNA editing factors MORF1 and MORF9. <i>Nucleic Acids Research</i> , 2017, 45, 4915-4928.	14.5	32
21	Structural basis for dual roles of Aar2p in U5 snRNP assembly. <i>Genes and Development</i> , 2013, 27, 525-540.	5.9	26
22	Multiple protein-protein interactions converging on the Prp38 protein during activation of the human spliceosome. <i>Rna</i> , 2016, 22, 265-277.	3.5	24
23	An Unusual RNA Recognition Motif Acts as a Scaffold for Multiple Proteins in the Pre-mRNA Retention and Splicing Complex. <i>Journal of Biological Chemistry</i> , 2008, 283, 32317-32327.	3.4	22
24	Plasmacytoid dendritic cells and RNA-containing immune complexes drive expansion of peripheral B cell subsets with an SLE-like phenotype. <i>PLoS ONE</i> , 2017, 12, e0183946.	2.5	20
25	Crystal Structure of the Pml1p Subunit of the Yeast Precursor mRNA Retention and Splicing Complex. <i>Journal of Molecular Biology</i> , 2009, 385, 531-541.	4.2	19
26	Functional stabilization of an RNA recognition motif by a noncanonical N-terminal expansion. <i>Rna</i> , 2009, 15, 1305-1313.	3.5	16
27	Ectopic Transplastomic Expression of a Synthetic MatK Gene Leads to Cotyledon-Specific Leaf Variegation. <i>Frontiers in Plant Science</i> , 2018, 9, 1453.	3.6	14
28	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
29	Exploiting the potential of Cyanidiales as a valuable resource for biotechnological applications. <i>Applied Phycology</i> , 2022, 3, 199-210.	1.3	10
30	A human kinase yeast array for the identification of kinases modulating phosphorylation-dependent protein-protein interactions. <i>Molecular Systems Biology</i> , 2022, 18, e10820.	7.2	9
31	Crystallization and biochemical characterization of the human spliceosomal Aar2-Prp8-RNaseH complex. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 1421-1428.	0.8	8
32	Yeast cell surface display of bacterial PET hydrolase as a sustainable biocatalyst for the degradation of polyethylene terephthalate. <i>Methods in Enzymology</i> , 2021, 648, 457-477.	1.0	8
33	Molecular principles underlying dual RNA specificity in the <i>Drosophila</i> SNF protein. <i>Nature Communications</i> , 2018, 9, 2220.	12.8	7
34	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
35	Structural analysis of PET-degrading enzymes PETase and MHETase from <i>Ideonella sakaiensis</i> . <i>Methods in Enzymology</i> , 2021, 648, 337-356.	1.0	4
36	Preface. <i>Methods in Enzymology</i> , 2021, 648, xix-xxii.	1.0	0