Gert Weber

List of Publications by Year
in descending order

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36	3,001	331670	361022
papers	citations	21 h-index	35 g-index

38	38	38	3540
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploiting the potential of Cyanidiales as a valuable resource for biotechnological applications. Applied Phycology, 2022, 3, 199-210.	1.3	10
2	The intrinsically disordered TSSC4 protein acts as a helicase inhibitor, placeholder and multi-interaction coordinator during snRNP assembly and recycling. Nucleic Acids Research, 2022, 50, 2938-2958.	14.5	11
3	A human kinase yeast array for the identification of kinases modulating phosphorylationâ€dependent proteinâ€“protein interactions. Molecular Systems Biology, 2022, 18, e10820.	7.2	9
4	Mechanism-Based Design of Efficient PET Hydrolases. ACS Catalysis, 2022, 12, 3382-3396.	11.2	104
5	A multi-factor trafficking site on the spliceosome remodeling enzyme BRR2 recruits C9ORF78 to regulate alternative splicing. Nature Communications, 2022, 13, 1132.	12.8	7
6	Structural analysis of PET-degrading enzymes PETase and MHETase from Ideonella sakaiensis. Methods in Enzymology, 2021, 648, 337-356.	1.0	4
7	Yeast cell surface display of bacterial PET hydrolase as a sustainable biocatalyst for the degradation of polyethylene terephthalate. Methods in Enzymology, 2021, 648, 457-477.	1.0	8
8	Preface. Methods in Enzymology, 2021, 648, xix-xxii.	1.0	0
9	DYW domain structures imply an unusual regulation principle in plant organellar RNA editing catalysis. Nature Catalysis, 2021, 4, 510-522.	34.4	37
10	Structure of the plastic-degrading Ideonella sakaiensis MHETase bound to a substrate. Nature Communications, 2019, 10, 1717.	12.8	265
11	Ectopic Transplastomic Expression of a Synthetic MatK Gene Leads to Cotyledon-Specific Leaf Variegation. Frontiers in Plant Science, 2018, 9, 1453.	3.6	14
12	Molecular principles underlying dual RNA specificity in the Drosophila SNF protein. Nature Communications, 2018, 9, 2220.	12.8	7
13	Crystal structures of the Arabidopsis thaliana organellar RNA editing factors MORF1 and MORF9. Nucleic Acids Research, 2017, 45, 4915-4928.	14.5	32
14	Structural basis for Î»N-dependent processive transcription antitermination. Nature Microbiology, 2017, 2, 17062.	13.3	58
15	Plasmacytoid dendritic cells and RNA-containing immune complexes drive expansion of peripheral B cell subsets with an SLE-like phenotype. PLoS ONE, 2017, 12, e0183946.	2.5	20
16	Multiple proteinâ€“protein interactions converging on the Prp38 protein during activation of the human spliceosome. Rna, 2016, 22, 265-277.	3.5	24
17	Crystallization and biochemical characterization of the human spliceosomal Aar2â€“Prp8^{RNaseH}complex. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 1421-1428.	0.8	8
18	IFN-Â production by plasmacytoid dendritic cell associations with polymorphisms in gene loci related to autoimmune and inflammatory diseases. Human Molecular Genetics, 2015, 24, 3571-3581.	2.9	33

#	Article	IF	Citations
19	Structural basis for dual roles of Aar2p in U5 snRNP assembly. Genes and Development, 2013, 27, 525-540.	5.9	26
20	Structural basis for functional cooperation between tandem helicase cassettes in Brr2-mediated remodeling of the spliceosome. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17418-17423.	7.1	85
21	B lymphocytes enhance interferonâ€Î± production by plasmacytoid dendritic cells. Arthritis and Rheumatism, 2012, 64, 3409-3419.	6.7	52
22	A reversibly photoswitchable GFP-like protein with fluorescence excitation decoupled from switching. Nature Biotechnology, 2011, 29, 942-947.	17.5	254
23	Mechanism for Aar2p function as a U5 snRNP assembly factor. Genes and Development, 2011, 25, 1601-1612.	5.9	35
24	IFN-Î± Production by Plasmacytoid Dendritic Cells Stimulated with RNA-Containing Immune Complexes Is Promoted by NK Cells via MIP-1Î² and LFA-1. Journal of Immunology, 2011, 186, 5085-5094.	0.8	80
25	Coilin-dependent snRNP assembly is essential for zebrafish embryogenesis. Nature Structural and Molecular Biology, 2010, 17, 403-409.	8.2	145
26	Functional organization of the Sm core in the crystal structure of human U1 snRNP. EMBO Journal, 2010, 29, 4172-4184.	7.8	115
27	Molecular Basis of the Light-driven Switching of the Photochromic Fluorescent Protein Padron. Journal of Biological Chemistry, 2010, 285, 14603-14609.	3.4	65
28	Functional stabilization of an RNA recognition motif by a noncanonical N-terminal expansion. Rna, 2009, 15, 1305-1313.	3.5	16
29	Helical extension of the neuronal SNARE complex into the membrane. Nature, 2009, 460, 525-528.	27.8	368
30	Crystal Structure of the Pml1p Subunit of the Yeast Precursor mRNA Retention and Splicing Complex. Journal of Molecular Biology, 2009, 385, 531-541.	4.2	19
31	Structural and Functional Analysis of the E. coli NusB-S10 Transcription Antitermination Complex. Molecular Cell, 2008, 32, 791-802.	9.7	95
32	An Unusual RNA Recognition Motif Acts as a Scaffold for Multiple Proteins in the Pre-mRNA Retention and Splicing Complex. Journal of Biological Chemistry, 2008, 283, 32317-32327.	3.4	22
33	1.8 Ã... bright-state structure of the reversibly switchable fluorescent protein Dronpa guides the generation of fast switching variants. Biochemical Journal, 2007, 402, 35-42.	3.7	228
34	Structural basis for reversible photoswitching in Dronpa. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13005-13009.	7.1	250
35	U1 small nuclear ribonucleoprotein immune complexes induce type I interferon in plasmacytoid dendritic cells through TLR7. Blood, 2006, 107, 3229-3234.	1.4	241
36	Structure and mechanism of the reversible photoswitch of a fluorescent protein. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13070-13074.	7.1	253