

Ting-Fang Wang

List of Publications by Year in descending order

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58
papers

7,612
citations

236925

25
h-index

144013

57
g-index

63
all docs

63
docs citations

63
times ranked

16173
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Nuclear translocation and transcription regulation by the membrane-associated guanylate kinase CASK/LIN-2. <i>Nature</i> , 2000, 404, 298-302.	27.8	339
3	CD39 Is an Ecto-(Ca ²⁺ ,Mg ²⁺)-apyrase. <i>Journal of Biological Chemistry</i> , 1996, 271, 9898-9901.	3.4	258
4	SUMO modifications control assembly of synaptonemal complex and polycomplex in meiosis of <i>Saccharomyces cerevisiae</i> . <i>Genes and Development</i> , 2006, 20, 2067-2081.	5.9	236
5	The Genomes of Three Uneven Siblings: Footprints of the Lifestyles of Three <i>Trichoderma</i> Species. <i>Microbiology and Molecular Biology Reviews</i> , 2016, 80, 205-327.	6.6	194
6	High-throughput screening of soluble recombinant proteins. <i>Protein Science</i> , 2009, 11, 1714-1719.	7.6	145
7	Transcriptional Modification by a CASK-Interacting Nucleosome Assembly Protein. <i>Neuron</i> , 2004, 42, 113-128.	8.1	142
8	The Transmembrane Domains of Ectoapyrase (CD39) Affect Its Enzymatic Activity and Quaternary Structure. <i>Journal of Biological Chemistry</i> , 1998, 273, 24814-24821.	3.4	124
9	Heterodimeric complexes of Hop2 and Mnd1 function with Dmc1 to promote meiotic homolog juxtaposition and strand assimilation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10572-10577.	7.1	110
10	An improved SUMO fusion protein system for effective production of native proteins. <i>Protein Science</i> , 2008, 17, 1241-1248.	7.6	107
11	Golgi Localization and Functional Expression of Human Uridine Diphosphatase. <i>Journal of Biological Chemistry</i> , 1998, 273, 11392-11399.	3.4	102
12	<i>Trichoderma reesei</i> complete genome sequence, repeat-induced point mutation, and partitioning of CAZyme gene clusters. <i>Biotechnology for Biofuels</i> , 2017, 10, 170.	6.2	88
13	Characterization of brain ecto-apyrase: evidence for only one ecto-apyrase (CD39) gene. <i>Molecular Brain Research</i> , 1997, 47, 295-302.	2.3	81
14	Identification of Tbr-1/CASK complex target genes in neurons. <i>Journal of Neurochemistry</i> , 2004, 91, 1483-1492.	3.9	80
15	Genomic and transcriptomic analyses of the medicinal fungus <i>Antrodia cinnamomea</i> for its metabolite biosynthesis and sexual development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4743-52.	7.1	79
16	Mek1 stabilizes Hop1-Thr318 phosphorylation to promote interhomolog recombination and checkpoint responses during yeast meiosis. <i>Nucleic Acids Research</i> , 2012, 40, 11416-11427.	14.5	63
17	Self-cleavage of fusion protein in vivo using TEV protease to yield native protein. <i>Protein Science</i> , 2005, 14, 936-941.	7.6	50
18	Yeast axial-element protein, Red1, binds SUMO chains to promote meiotic interhomologue recombination and chromosome synapsis. <i>EMBO Journal</i> , 2010, 29, 586-596.	7.8	49

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19	Calcium Ion Promotes Yeast Dmc1 Activity via Formation of Long and Fine Helical Filaments with Single-stranded DNA. <i>Journal of Biological Chemistry</i> , 2005, 280, 40980-40984.	3.4	44
20	Blue Light Acts as a Double-Edged Sword in Regulating Sexual Development of <i>Hypocrea jecorina</i> (<i>Trichoderma reesei</i>). <i>PLoS ONE</i> , 2012, 7, e44969.	2.5	43
21	Supercomplex formation between Mlh1-Mlh3 and Sgs1-Top3 heterocomplexes in meiotic yeast cells. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 949-953.	2.1	40
22	Crystal structure of the left-handed archaeal RadA helical filament: identification of a functional motif for controlling quaternary structures and enzymatic functions of RecA family proteins. <i>Nucleic Acids Research</i> , 2007, 35, 1787-1801.	14.5	40
23	Production of FMDV virus-like particles by a SUMO fusion protein approach in <i>Escherichia coli</i> . <i>Journal of Biomedical Science</i> , 2009, 16, 69.	7.0	35
24	Three Distinct Modes of Mec1/ATR and Tel1/ATM Activation Illustrate Differential Checkpoint Targeting during Budding Yeast Early Meiosis. <i>Molecular and Cellular Biology</i> , 2013, 33, 3365-3376.	2.3	31
25	<i>Trichoderma reesei</i> meiosis generates segmentally aneuploid progeny with higher xylanase-producing capability. <i>Biotechnology for Biofuels</i> , 2015, 8, 30.	6.2	30
26	Tlr7 deletion alters expression profiles of genes related to neural function and regulates mouse behaviors and contextual memory. <i>Brain, Behavior, and Immunity</i> , 2018, 72, 101-113.	4.1	30
27	Molecular Visualization of the Yeast Dmc1 Protein Ring and Dmc1-ssDNA Nucleoprotein Complex. <i>Biochemistry</i> , 2005, 44, 6052-6058.	2.5	25
28	Genetic Requirements and Meiotic Function of Phosphorylation of the Yeast Axial Element Protein Red. <i>Molecular and Cellular Biology</i> , 2011, 31, 912-923.	2.3	22
29	Omics Analyses of <i>Trichoderma reesei</i> CBS999.97 and QM6a Indicate the Relevance of Female Fertility to Carbohydrate-Active Enzyme and Transporter Levels. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	22
30	<i>S. cerevisiae</i> Mre11 recruits conjugated SUMO moieties to facilitate the assembly and function of the Mre11-Rad50-Xrs2 complex. <i>Nucleic Acids Research</i> , 2016, 44, 2199-2213.	14.5	21
31	Structural and Functional Analyses of Five Conserved Positively Charged Residues in the L1 and N-Terminal DNA Binding Motifs of Archaeal RadA Protein. <i>PLoS ONE</i> , 2007, 2, e858.	2.5	19
32	Right or left turn? RecA family protein filaments promote homologous recombination through clockwise axial rotation. <i>BioEssays</i> , 2008, 30, 48-56.	2.5	18
33	The N-terminal domain of <i>Escherichia coli</i> RecA have multiple functions in promoting homologous recombination. <i>Journal of Biomedical Science</i> , 2009, 16, 37.	7.0	17
34	Phase separation and zinc-induced transition modulate synaptic distribution and association of autism-linked CTTNBP2 and SHANK3. <i>Nature Communications</i> , 2022, 13, 2664.	12.8	17
35	pp60 Is a Negative Regulator of Laminin-1-Mediated Neurite Outgrowth in Chick Sensory Neurons. <i>Molecular and Cellular Neurosciences</i> , 2002, 21, 81-93.	2.2	16
36	Self-polymerization of archaeal RadA protein into long and fine helical filaments. <i>Biochemical and Biophysical Research Communications</i> , 2004, 323, 845-851.	2.1	16

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37	Three New Structures of Left-Handed RadA Helical Filaments: Structural Flexibility of N-Terminal Domain Is Critical for Recombinase Activity. PLoS ONE, 2009, 4, e4890.	2.5	15
38	Pch2 Prevents Mec1/Tel1-Mediated Hop1 Phosphorylation Occurring Independently of Red1 in Budding Yeast Meiosis. PLoS ONE, 2014, 9, e85687.	2.5	15
39	Repeat-induced point (RIP) mutation in the industrial workhorse fungus <i>Trichoderma reesei</i> . Applied Microbiology and Biotechnology, 2018, 102, 1567-1574.	3.6	14
40	Dual roles of yeast Rad51 N-terminal domain in repairing DNA double-strand breaks. Nucleic Acids Research, 2020, 48, 8474-8489.	14.5	14
41	PacBio Long-Read Sequencing, Assembly, and Funannotate Reannotation of the Complete Genome of <i>Trichoderma reesei</i> QM6a. Methods in Molecular Biology, 2021, 2234, 311-329.	0.9	14
42	Tying SUMO modifications to dynamic behaviors of chromosomes during meiotic prophase of <i>Saccharomyces cerevisiae</i> . Journal of Biomedical Science, 2007, 14, 481-490.	7.0	12
43	Complete Genome Sequences and Genome-Wide Characterization of <i>Trichoderma</i> Biocontrol Agents Provide New Insights into their Evolution and Variation in Genome Organization, Sexual Development, and Fungal-Plant Interactions. Microbiology Spectrum, 2021, 9, e0066321.	3.0	11
44	Structure and function of ectoapyrase (CD39). Drug Development Research, 1998, 45, 245-252.	2.9	10
45	Probing the dynamic differential stiffness of dsDNA interacting with RecA in the enthalpic regime. Optics Express, 2009, 17, 20376.	3.4	10
46	Nanoscale Imaging of Biomolecules by Controlled Carbon Nanotube Probes. Japanese Journal of Applied Physics, 2004, 43, 4517-4520.	1.5	8
47	<i>Trichoderma reesei</i> Rad51 tolerates mismatches in hybrid meiosis with diverse genome sequences. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	8
48	Interorganelle interactions and inheritance patterns of nuclei and vacuoles in budding yeast meiosis. Autophagy, 2014, 10, 285-295.	9.1	7
49	17 Sexual Development in <i>Trichoderma</i> . , 2016, , 457-474.		7
50	Third-generation sequencing-based mapping and visualization of single nucleotide polymorphism, meiotic recombination, illegitimate mutation and repeat-induced point mutation. NAR Genomics and Bioinformatics, 2020, 2, lqaa056.	3.2	5
51	Hybrid Infertility: The Dilemma or Opportunity of Applying Sexual Development to Improve <i>Trichoderma reesei</i> Industrial Strains. Fungal Biology, 2016, , 351-359.	0.6	5
52	Sexual Crossing, Chromosome-Level Genome Sequences, and Comparative Genomic Analyses for the Medicinal Mushroom <i>Taiwanofungus camphoratus</i> (Syn. <i>Antrodia cinnamomea</i>), Tj ETQq0 0 0 rgBT #0 Overlock 4 0 Tf 50 1.	4.0	4
53	Transcriptomic Analysis and C-Terminal Epitope Tagging Reveal Differential Processing and Signaling of Endogenous TLR3 and TLR7. Frontiers in Immunology, 2021, 12, 686060.	4.8	3
54	Authors' reply to correspondence from Egelman. BioEssays, 2008, 30, 1254-1255.	2.5	2

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55	Draft Genome Sequence of Burkholderia sp. Strain WAC0059, a Bacterium Isolated from the Medicinal Fungus Antrodia cinnamomea. Genome Announcements, 2018, 6, .	0.8	2
56	TSETA: A Third-Generation Sequencing-Based Computational Tool for Mapping and Visualization of SNPs, Meiotic Recombination Products, and RIP Mutations. Methods in Molecular Biology, 2021, 2234, 331-361.	0.9	2
57	Budding yeast Rad51: a paradigm for how phosphorylation and intrinsic structural disorder regulate homologous recombination and protein homeostasis. Current Genetics, 2021, 67, 389-396.	1.7	1
58	1P219 Structure of the left-handed archaeal RadA filament : a subunit rotation motif controls homologous DNA strand exchange reaction(7. Nucleic acid binding protein,Poster) Tj ETQq0 0 0 rgBT /Overlock 10ff150 6170d (Sessio		