

Frank Kempken

List of Publications by Year in descending order

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51
papers

1,334
citations

430442

18
h-index

360668

35
g-index

54
all docs

54
docs citations

54
times ranked

1792
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomics- and Metabolomics-Based Investigation of the Deep-Sea Sediment-Derived Yeast, <i>Rhodotorula mucilaginosa</i> 50-3-19/20B. <i>Marine Drugs</i> , 2021, 19, 14.	2.2	15
2	The Composition and the Structure of MCC/Eisosomes in <i>Neurospora crassa</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 2115.	1.5	3
3	Transcriptomic analysis of <i>poco1</i> , a mitochondrial pentatricopeptide repeat protein mutant in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2020, 20, 209.	1.6	9
4	<i>PRECOCIOUS</i> (<i>POCO</i>), a mitochondrial pentatricopeptide repeat protein affects flowering time in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2019, 100, 265-278.	2.8	21
5	The Fungal MCC/Eisosome Complex: An Unfolding Story. , 2018, , 119-130.		2
6	Genome Sequencing and analyses of Two Marine Fungi from the North Sea Unraveled a Plethora of Novel Biosynthetic Gene Clusters. <i>Scientific Reports</i> , 2018, 8, 10187.	1.6	25
7	Characterization of indole-3-pyruvic acid pathway-mediated biosynthesis of auxin in <i>Neurospora crassa</i> . <i>PLoS ONE</i> , 2018, 13, e0192293.	1.1	30
8	Fungal genotype determines survival of <i>Drosophila melanogaster</i> when competing with <i>Aspergillus nidulans</i> . <i>PLoS ONE</i> , 2018, 13, e0190543.	1.1	4
9	An inducible tool for random mutagenesis in <i>Aspergillus niger</i> based on the transposon <i>Vader</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6309-6317.	1.7	1
10	Identification of the Scopularide Biosynthetic Gene Cluster in <i>Scopulariopsis brevicaulis</i> . <i>Marine Drugs</i> , 2015, 13, 4331-4343.	2.2	25
11	De Novo Assembly and Genome Analyses of the Marine-Derived <i>Scopulariopsis brevicaulis</i> Strain LF580 Unravels Life-Style Traits and Anticancerous Scopularide Biosynthetic Gene Cluster. <i>PLoS ONE</i> , 2015, 10, e0140398.	1.1	34
12	Fungal Transposable Elements. <i>Fungal Biology</i> , 2015, , 79-96.	0.3	1
13	Development and Validation of a Fast and Optimized Screening Method for Enhanced Production of Secondary Metabolites Using the Marine <i>Scopulariopsis brevicaulis</i> Strain LF580 Producing Anti-Cancer Active Scopularide A and B. <i>PLoS ONE</i> , 2014, 9, e103320.	1.1	17
14	Characterization of bud emergence 46 (BEM46) protein: Sequence, structural, phylogenetic and subcellular localization analyses. <i>Biochemical and Biophysical Research Communications</i> , 2013, 438, 526-532.	1.0	10
15	Alternative splicing in ascomycetes. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4235-4241.	1.7	33
16	The Genome and Development-Dependent Transcriptomes of <i>Pyronema confluens</i> : A Window into Fungal Evolution. <i>PLoS Genetics</i> , 2013, 9, e1003820.	1.5	85
17	Deletions in <i>cox2</i> mRNA Result in Loss of Splicing and RNA Editing and Gain of Novel RNA Editing Sites. <i>PLoS ONE</i> , 2013, 8, e82067.	1.1	1
18	Molecular Analysis of Fungal Gene Expression upon Interkingdom Competition with Insects. , 2012, 944, 279-286.		2

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19	Transformation and Nucleic Acid Delivery to Mitochondria. <i>Advances in Photosynthesis and Respiration</i> , 2012, , 443-458.	1.0	4
20	Fungal defences against animal antagonists - lectins & more. <i>Molecular Ecology</i> , 2011, 20, 2876-2877.	2.0	5
21	Suitability of <i>Vader</i> for Transposon-Mediated Mutagenesis in <i>Aspergillus niger</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 2332-2336.	1.4	10
22	RNA Editing in Higher Plant Mitochondria. , 2011, , 157-175.		1
23	Expression of ribonuclease A and ribonuclease N1 in the filamentous fungus <i>Neurospora crassa</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1041-1049.	1.7	9
24	De novo Assembly of a 40 Mb Eukaryotic Genome from Short Sequence Reads: <i>Sordaria macrospora</i> , a Model Organism for Fungal Morphogenesis. <i>PLoS Genetics</i> , 2010, 6, e1000891.	1.5	169
25	Fungal secondary metabolite biosynthesis – a chemical defence strategy against antagonistic animals?. <i>Fungal Ecology</i> , 2010, 3, 107-114.	0.7	35
26	RNA processing in plant mitochondria is independent of transcription. <i>Plant Molecular Biology</i> , 2009, 70, 663-668.	2.0	15
27	The BEM46-like protein appears to be essential for hyphal development upon ascospore germination in <i>Neurospora crassa</i> and is targeted to the endoplasmic reticulum. <i>Current Genetics</i> , 2009, 55, 151-161.	0.8	18
28	Evolutionary and Ecological Interactions of Mould and Insects. , 2009, , 131-151.		4
29	Repeat induced point mutation in two asexual fungi, <i>Aspergillus niger</i> and <i>Penicillium chrysogenum</i> . <i>Current Genetics</i> , 2008, 53, 287-297.	0.8	59
30	Strain-specific retrotransposon-mediated recombination in commercially used <i>Aspergillus niger</i> strain. <i>Molecular Genetics and Genomics</i> , 2008, 280, 319-25.	1.0	14
31	The <i>Tolypocladium inflatum</i> CPA element encodes a RecQ helicase-like gene. <i>Journal of Basic Microbiology</i> , 2008, 48, 496-499.	1.8	2
32	Plastid mRNAs are neither spliced nor edited in maize and cauliflower mitochondrial in organello systems. <i>Rna</i> , 2007, 13, 2061-2065.	1.6	10
33	Transposons in biotechnologically relevant strains of <i>Aspergillus niger</i> and <i>Penicillium chrysogenum</i> . <i>Fungal Genetics and Biology</i> , 2007, 44, 1399-1414.	0.9	24
34	Secondary chemicals protect mould from fungivory. <i>Biology Letters</i> , 2007, 3, 523-525.	1.0	143
35	Transcript End Mapping and Analysis of RNA Editing in Plant Mitochondria. <i>Methods in Molecular Biology</i> , 2007, 372, 177-192.	0.4	9
36	Mono- and dicotyledonous plant-specific RNA editing sites are correctly edited in both in organello systems. <i>FEBS Letters</i> , 2006, 580, 4443-4448.	1.3	17

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37	Mitochondrial electroporation and in organello RNA editing of chimeric atp6 transcripts. <i>Molecular Genetics and Genomics</i> , 2005, 273, 130-136.	1.0	31
38	Alternative splicing of transcripts of the transposon Restless is maintained in the foreign host <i>Neurospora crassa</i> and can be modified by introducing mutations at the 5' and 3' splice sites. <i>Current Genetics</i> , 2004, 46, 59-65.	0.8	6
39	What's in the genome of a filamentous fungus? Analysis of the <i>Neurospora</i> genome sequence. <i>Nucleic Acids Research</i> , 2003, 31, 1944-1954.	6.5	59
40	Fungal Transposable Elements: Inducers of Mutations and Molecular Tools. <i>Applied Mycology and Biotechnology</i> , 2003, , 83-99.	0.3	4
41	Ds-like Restless Deletion Derivatives Occur in <i>Tolyposcladium inflatum</i> and Two Foreign Hosts, <i>Neurospora crassa</i> and <i>Penicillium chrysogenum</i> . <i>Fungal Genetics and Biology</i> , 2002, 35, 171-182.	0.9	19
42	Hideaway, a repeated element from <i>Ascobolus immersus</i> , is rDNA-associated and may resemble a retrotransposon. <i>Current Genetics</i> , 2001, 40, 179-185.	0.8	6
43	The hAT family: a versatile transposon group common to plants, fungi, animals, and man. <i>Chromosoma</i> , 2001, 110, 1-9.	1.0	106
44	Methylation of the foreign transposon Restless in vegetative mycelia of <i>Neurospora crassa</i> . <i>Current Genetics</i> , 2000, 37, 194-199.	0.8	21
45	Nuclear genes from Tx CMS maintainer lines are unable to maintain atp6 RNA editing in any anther cell-type in the <i>Sorghum bicolor</i> A3 cytoplasm. <i>Current Genetics</i> , 1999, 36, 62-68.	0.8	19
46	Transposons in filamentous fungi-facts and perspectives. <i>BioEssays</i> , 1998, 20, 652-659.	1.2	109
47	Evidence for circular transposition derivatives from the fungal hAT -transposon Restless. <i>Current Genetics</i> , 1998, 34, 200-203.	0.8	19
48	Mutations at specific atp6 codons which cause human mitochondrial diseases also lead to male sterility in a plant. <i>FEBS Letters</i> , 1998, 441, 159-160.	1.3	14
49	Distribution of the Fungal Transposon Restless: Full-Length and Truncated Copies in Closely Related Strains. <i>Fungal Genetics and Biology</i> , 1998, 25, 110-118.	0.9	27
50	The Use of Rare-Cutting Endonucleases in Electrophoretic Karyotyping of Fungal Genomes. <i>Fungal Genetics and Biology</i> , 1996, 20, 89-92.	0.9	8
51	A Unique Repeated DNA Sequence in the Cyclosporin-Producing Strain of <i>Tolyposcladium inflatum</i> (ATCC 34921). <i>Experimental Mycology</i> , 1995, 19, 305-313.	1.8	19