Uffe H Mortensen

List of Publications by Year
in descending order

64 papers	5,227 citations	101384 36 h-index	118652 62 g-index
64 all docs	64 docs citations	64 times ranked	5046 citing authors

#	Article	IF	Citations
1	A CRISPR-Cas9 System for Genetic Engineering of Filamentous Fungi. PLoS ONE, 2015, 10, e0133085.	1.1	484
2	Colocalization of multiple DNA double-strand breaks at a single Rad52 repair centre. Nature Cell Biology, 2003, 5, 572-577.	4.6	388
3	Microbial production of indolylglucosinolate through engineering of a multi-gene pathway in a versatile yeast expression platform. Metabolic Engineering, 2012, 14, 104-111.	3.6	244
4	EasyClone: method for iterative chromosomal integration of multiple genes Saccharomyces cerevisiae. FEMS Yeast Research, 2014, 14, 238-248.	1.1	236
5	Growing a circular economy with fungal biotechnology: a white paper. Fungal Biology and Biotechnology, 2020, 7, 5.	2.5	228
6	Accurate prediction of secondary metabolite gene clusters in filamentous fungi. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E99-107.	3.3	211
7	Current challenges of research on filamentous fungi in relation to human welfare and a sustainable bio-economy: a white paper. Fungal Biology and Biotechnology, 2016, 3, 6.	2.5	208
8	Diversion of Flux toward Sesquiterpene Production in <i>Saccharomyces cerevisiae</i> by Fusion of Host and Heterologous Enzymes. Applied and Environmental Microbiology, 2011, 77, 1033-1040.	1.4	194
9	Cloning-Free PCR-Based Allele Replacementâ€‰Methods. Genome Research, 1997, 7, 1174-1183.	2.4	162
10	Investigation of inter- and intraspecies variation through genome sequencing of Aspergillus section Nigri. Nature Genetics, 2018, 50, 1688-1695.	9.4	160
11	Direct Association between the Yeast Rad51 and Rad54 Recombination Proteins. Journal of Biological Chemistry, 1996, 271, 33181-33186.	1.6	153
12	Efficient oligo nucleotide mediated CRISPR-Cas9 gene editing in Aspergilli. Fungal Genetics and Biology, 2018, 115, 78-89.	0.9	142
13	Efficient PCR-based gene targeting with a recyclable marker for Aspergillus nidulans. Fungal Genetics and Biology, 2006, 43, 54-64.	0.9	139
14	Molecular Basis for Mycophenolic Acid Biosynthesis in Penicillium brevicompactum. Applied and Environmental Microbiology, 2011, 77, 3035-3043.	1.4	130
15	Linking secondary metabolites to gene clusters through genome sequencing of six diverse <i>Aspergillus</i> species. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E753-E761.	3.3	126
16	A comparative genomics study of 23 Aspergillus species from section Flavi. Nature Communications, 2020, 11, 1106.	5.8	125
17	A genome-wide polyketide synthase deletion library uncovers novel genetic links to polyketides and meroterpenoids in Aspergillus nidulans. FEMS Microbiology Letters, 2011, 321, 157-166.	0.7	114
18	Interaction with Rad51 Is Indispensable for Recombination Mediator Function of Rad52. Journal of Biological Chemistry, 2002, 277, 40132-40141.	1.6	102

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19	Heterologous Reconstitution of the Intact Geodin Gene Cluster in Aspergillus nidulans through a Simple and Versatile PCR Based Approach. PLoS ONE, 2013, 8, e72871.	1.1	91
20	Versatile Enzyme Expression and Characterization System for Aspergillus nidulans, with the Penicillium brevicompactum Polyketide Synthase Gene from the Mycophenolic Acid Gene Cluster as a Test Case. Applied and Environmental Microbiology, 2011, 77, 3044-3051.	1.4	86
21	Novofumigatonin biosynthesis involves a non-heme iron-dependent endoperoxide isomerase for orthoester formation. Nature Communications, 2018, 9, 2587.	5.8	85
22	Molecular and Chemical Characterization of the Biosynthesis of the 6-MSA-Derived Meroterpenoid Yanuthone D in Aspergillus niger. Chemistry and Biology, 2014, 21, 519-529.	6.2	84
23	The Role of DNA Double-Strand Breaks in Spontaneous Homologous Recombination in S. cerevisiae. PLoS Genetics, 2006, 2, e194.	1.5	82
24	Rad52. Current Biology, 2009, 19, R676-R677.	1.8	80
25	Genes Linked to Production of Secondary Metabolites in Talaromyces atroroseus Revealed Using CRISPR-Cas9. PLoS ONE, 2017, 12, e0169712.	1.1	74
26	A Molecular Genetic Dissection of the Evolutionarily Conserved N Terminus of Yeast Rad52. Genetics, 2002, 161, 549-562.	1.2	73
27	Interaction with RPA Is Necessary for Rad52 Repair Center Formation and for Its Mediator Activity. Journal of Biological Chemistry, 2008, 283, 29077-29085.	1.6	72
28	Transient disruption of non-homologous end-joining facilitates targeted genome manipulations in the filamentous fungus Aspergillus nidulans. Fungal Genetics and Biology, 2008, 45, 165-170.	0.9	64
29	Strategies to establish the link between biosynthetic gene clusters and secondary metabolites. Fungal Genetics and Biology, 2019, 130, 107-121.	0.9	64
30	Functional Reconstitution of a Fungal Natural Product Gene Cluster by Advanced Genome Editing. ACS Synthetic Biology, 2017, 6, 62-68.	1.9	61
31	Molecular Anatomy of the Recombination Mediator Function of Saccharomyces cerevisiae Rad52. Journal of Biological Chemistry, 2008, 283, 12166-12174.	1.6	56
32	Cell Cycle-Regulated Centers of DNA Double-Strand Break Repair. Cell Cycle, 2003, 2, 477-481.	1.3	53
33	Reconstruction of the biosynthetic pathway for the core fungal polyketide scaffold rubrofusarin in Saccharomyces cerevisiae. Microbial Cell Factories, 2013, 12, 31.	1.9	53
34	Cpf1 enables fast and efficient genome editing in Aspergilli. Fungal Biology and Biotechnology, 2019, 6, 6.	2.5	52
35	Role of the Rad52 Amino-terminal DNA Binding Activity in DNA Strand Capture in Homologous Recombination. Journal of Biological Chemistry, 2009, 284, 33275-33284.	1.6	50
36	Identification of the Entner-Doudoroff pathway in an antibiotic-producing actinomycete species. Molecular Microbiology, 2004, 52, 895-902.	1.2	39

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37	Multiple start codons and phosphorylation result in discrete Rad52 protein species. Nucleic Acids Research, 2006, 34, 2587-2597.	6.5	38
38	Genetics of Polyketide Metabolism in Aspergillus nidulans. Metabolites, 2012, 2, 100-133.	1.3	37
39	Benchmarking two commonly used Saccharomyces cerevisiae strains for heterologous vanillin-Î²-glucoside production. Metabolic Engineering Communications, 2015, 2, 99-108.	1.9	37
40	Heterologous production of the widely used natural food colorant carminic acid in Aspergillus nidulans. Scientific Reports, 2018, 8, 12853.	1.6	35
41	Rad52 and Rad59 exhibit both overlapping and distinct functions. DNA Repair, 2007, 6, 27-37.	1.3	34
42	A novel platform for heterologous gene expression in Trichoderma reesei (Teleomorph Hypocrea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	1.9	33
43	The Aspergillus fumigatus Phosphoproteome Reveals Roles of High-Osmolarity Glycerol Mitogen-Activated Protein Kinases in Promoting Cell Wall Damage and Caspofungin Tolerance. MBio, 2020, 11, .	1.8	27
44	Characterization of four new antifungal yanuthones from Aspergillus niger. Journal of Antibiotics, 2015, 68, 201-205.	1.0	26
45	Investigation of a 6â€MSA Synthase Gene Cluster in <i>Aspergillus aculeatus</i> Reveals 6â€MSAâ€derived Aculinic Acid, Aculins Aâ€"B and Epiâ€Aculinâ€…A. ChemBioChem, 2015, 16, 2200-2204.	1.3	20
46	DIVERSIFY: A Fungal Multispecies Gene Expression Platform. ACS Synthetic Biology, 2021, 10, 579-588.	1.9	19
47	Rad52 multimerization is important for its nuclear localization in Saccharomyces cerevisiae. DNA Repair, 2008, 7, 57-66.	1.3	18
48	Manipulating the glycosylation pathway in bacterial and lower eukaryotes for production of therapeutic proteins. Current Opinion in Biotechnology, 2015, 36, 122-128.	3.3	18
49	Acurin A, a novel hybrid compound, biosynthesized by individually translated PKS- and NRPS-encoding genes in Aspergillus aculeatus. Fungal Genetics and Biology, 2020, 139, 103378.	0.9	16
50	High-resolution kinetics and modeling of hydrogen peroxide degradation in live cells. Free Radical Biology and Medicine, 2016, 101, 143-153.	1.3	13
51	Transient Marker System for Iterative Gene Targeting of a Prototrophic Fungus. Applied and Environmental Microbiology, 2007, 73, 7240-7245.	1.4	12
52	On the biosynthetic origin of carminic acid. Insect Biochemistry and Molecular Biology, 2018, 96, 51-61.	1.2	12
53	A CRISPR/Cas9 Method Facilitates Efficient Oligo-Mediated Gene Editing in Debaryomyces Hansenii. Synthetic Biology, 2021, 6, ysab031.	1.2	11
54	Glycoengineering of Aspergillus nidulans to produce precursors for humanized N-glycan structures. Metabolic Engineering, 2021, 67, 153-163.	3.6	10

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55	SUMOylation of Rad52-Rad59 synergistically change the outcome of mitotic recombination. DNA Repair, 2016, 42, 11-25.	1.3	9
56	Quantification of oxidative stress phenotypes based on high-throughput growth profiling of protein kinase and phosphatase knockouts. FEMS Yeast Research, 2016, 16, fov101.	1.1	8
57	The rad52-Y66A allele alters the choice of donor template during spontaneous chromosomal recombination. DNA Repair, 2010, 9, 23-32.	1.3	7
58	Genome Editing: CRISPR-Cas9. Methods in Molecular Biology, 2018, 1775, 119-132.	0.4	7
59	Biosynthesis of Calipyridone A Represents a Fungal 2-Pyridone Formation without Ring Expansion in Aspergillus californicus. Organic Letters, 2022, 24, 804-808.	2.4	6
60	A versatile selection system for folding competent proteins using genetic complementation in a eukaryotic host. Protein Science, 2010, 19, 579-592.	3.1	4
61	Genetic origin of homopyrones, a rare type of hybrid phenylpropanoid- and polyketide-derived yellow pigments from Aspergillus homomorphus. Applied Microbiology and Biotechnology, 2021, 105, 5113-5121.	1.7	4
62	Editorial: 3Rs tightly intertwined to maintain genome stability. FEMS Yeast Research, 2017, 17, fox003.	1.1	1
63	Supercluster takes a walk on the wild side. Trends in Microbiology, 2013, 21, 617-618.	3.5	0
64	10 Filamentous Fungi as Hosts for Heterologous Production of Proteins and Secondary Metabolites in the Post-Genomic Era. , 2020, , 227-265.		0