

# Hubertus Haas

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

158  
papers

9,784  
citations

54  
h-index

95  
g-index

168  
ext. papers

11,544  
ext. citations

6.4  
avg, IF

6.06  
L-index

#	Paper	IF	Citations
158	Ambient Availability of Amino Acids, Proteins, and Iron Impacts Copper Resistance of .. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2022</b> , 12, 847846	5.9	0
157	Azole Resistance-Associated Regulatory Motifs within the Promoter of in <i>Aspergillus fumigatus</i> .. <i>Microbiology Spectrum</i> , <b>2022</b> , e0120922	8.9	0
156	Fungal iron homeostasis with a focus on <i>Aspergillus fumigatus</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2021</b> , 1868, 118885	4.9	17
155	Transcriptional response of to copper and the role of the Cu chaperones. <i>Virulence</i> , <b>2021</b> , 12, 2186-2200	4.7	3
154	Antifungal Siderophore Conjugates for Theranostic Applications in Invasive Pulmonary Aspergillosis Using Low-Molecular TAFC Scaffolds. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2021</b> , 7,	5.6	3
153	Peroxiredoxin Asp F3 Is Essential for <i>Aspergillus fumigatus</i> To Overcome Iron Limitation during Infection. <i>MBio</i> , <b>2021</b> , 12, e0097621	7.8	2
152	The Siderophore Transporters Sit1 and Sit2 Are Essential for Utilization of Ferrichrome-, Ferrioxamine- and Coprogen-Type Siderophores in. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2021</b> , 7,	5.6	2
151	Desferrioxamine B-Mediated Pre-Clinical In Vivo Imaging of Infection by the Mold Fungus. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2021</b> , 7,	5.6	1
150	Generation and characterisation of a semi-synthetic siderophore-immunogen conjugate and a derivative recombinant triacetylfusarinine C-specific monoclonal antibody with fungal diagnostic application. <i>Analytical Biochemistry</i> , <b>2021</b> , 632, 114384	3.1	0
149	Siderophores in plant root tissue: <i>Tagetes patula nana</i> colonized by the arbuscular mycorrhizal fungus <i>Gigaspora margarita</i> . <i>BioMetals</i> , <b>2020</b> , 33, 137-146	3.4	4
148	Hybrid Imaging Agents for Pretargeting Applications Based on Fusarinine C-Proof of Concept. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
147	Siderophore-Based Molecular Imaging of Fungal and Bacterial Infections-Current Status and Future Perspectives. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2020</b> , 6,	5.6	17
146	Rapid detection of the aspergillosis biomarker triacetylfusarinine C using interference-enhanced Raman spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 6351-6360	4.4	6
145	The fungal CCAAT-binding complex and HapX display highly variable but evolutionary conserved synergetic promoter-specific DNA recognition. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 3567-3590	20.1	17
144	Hybrid Imaging of Pulmonary Infection with Fluorescent, Ga-Labelled Siderophores. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	16
143	Arginine Auxotrophy Affects Siderophore Biosynthesis and Attenuates Virulence of. <i>Genes</i> , <b>2020</b> , 11,	4.2	5
142	Structural basis of HapE-linked antifungal triazole resistance in. <i>Life Science Alliance</i> , <b>2020</b> , 3,	5.8	7

141	Absent regulation of iron acquisition by the copper regulator Mac1 in <i>A. fumigatus</i> . <i>Biochemical Journal</i> , <b>2020</b> , 477, 2967-2970	3.8	2
140	Novel intermicrobial molecular interaction: Quinolone Signal (PQS) modulates response to iron. <i>Microbiology (United Kingdom)</i> , <b>2020</b> , 166, 44-55	2.9	19
139	Live-cell imaging with <i>Aspergillus fumigatus</i> -specific fluorescent siderophore conjugates. <i>Scientific Reports</i> , <b>2020</b> , 10, 15519	4.9	6
138	Siderophore Scaffold as Carrier for Antifungal Peptides in Therapy of Infections. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2020</b> , 6,	5.6	3
137	Multiplex Genetic Engineering Exploiting Pyrimidine Salvage Pathway-Based Endogenous Counterselectable Markers. <i>MBio</i> , <b>2020</b> , 11,	7.8	3
136	The monothiol glutaredoxin GrxD is essential for sensing iron starvation in <i>Aspergillus fumigatus</i> . <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008379	6	15
135	Intermicrobial interaction: <i>Aspergillus fumigatus</i> siderophores protect against competition by <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , <b>2019</b> , 14, e0216085	3.7	31
134	Modifying the Siderophore Triacetylfusarinine C for Molecular Imaging of Fungal Infection. <i>Molecular Imaging and Biology</i> , <b>2019</b> , 21, 1097-1106	3.8	14
133	<i>Aspergillus-Pseudomonas</i> interaction, relevant to competition in airways. <i>Medical Mycology</i> , <b>2019</b> , 57, S228-S232	3.9	26
132	Rational Design, Synthesis and Preliminary Evaluation of Novel Fusarinine C-Based Chelators for Radiolabeling with Zirconium-89. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	9
131	The Siderophore Transporter Sit1 Determines Susceptibility to the Antifungal VL-2397. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	18
130	The leucine biosynthetic pathway is crucial for adaptation to iron starvation and virulence in. <i>Virulence</i> , <b>2019</b> , 10, 925-934	4.7	9
129	Enhanced labile plasma iron in hematopoietic stem cell transplanted patients promotes outgrowth. <i>Blood Advances</i> , <b>2019</b> , 3, 1695-1700	7.8	15
128	The Lysine Deacetylase RpdA Is Essential for Virulence in. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2773	5.7	8
127	β1,3-glucan-lacking mediates an efficient antifungal immune response by activating complement and dendritic cells. <i>Virulence</i> , <b>2019</b> , 10, 957-969	4.7	8
126	Triacetylfusarinine C: A urine biomarker for diagnosis of invasive aspergillosis. <i>Journal of Infection</i> , <b>2019</b> , 78, 150-157	18.9	24
125	Factor H Binding Molecule Hgt1p - A Low Glucose-Induced Transmembrane Protein Is Trafficked to the Cell Wall and Impairs Phagocytosis and Killing by Human Neutrophils. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 3319	5.7	15
124	Microhemorrhage-associated tissue iron enhances the risk for invasion in a mouse model of airway transplantation. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	18

123	Studies of <i>Pseudomonas aeruginosa</i> Mutants Indicate Pyoverdine as the Central Factor in Inhibition of <i>Aspergillus fumigatus</i> Biofilm. <i>Journal of Bacteriology</i> , <b>2018</b> , 200,	3.5	62
122	Exploiting the Concept of Multivalency with Ga- and Zr-Labelled Fusarinine C-Minigastrin Bioconjugates for Targeting CCK2R Expression. <i>Contrast Media and Molecular Imaging</i> , <b>2018</b> , 2018, 3171794	3.2	12
121	Human MAIT cells are rapidly activated by <i>Aspergillus</i> spp. in an APC-dependent manner. <i>European Journal of Immunology</i> , <b>2018</b> , 48, 1698-1706	6.1	18
120	Iron Scavenging in <i>Aspergillus</i> Species: Structural and Biochemical Insights into Fungal Siderophore Esterases. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14624-14629	16.4	7
119	Riboflavin and pantothenic acid biosynthesis are crucial for iron homeostasis and virulence in the pathogenic mold <i>Aspergillus fumigatus</i> . <i>Virulence</i> , <b>2018</b> , 9, 1036-1049	4.7	21
118	Additional oxidative stress reroutes the global response of <i>Aspergillus fumigatus</i> to iron depletion. <i>BMC Genomics</i> , <b>2018</b> , 19, 357	4.5	23
117	Methodologies for and evaluation of efficacy of antifungal and antibiofilm agents and surface coatings against fungal biofilms. <i>Microbial Cell</i> , <b>2018</b> , 5, 300-326	3.9	57
116	Multimerization results in formation of re-bindable metabolites: A proof of concept study with FSC-based minigastrin imaging probes targeting CCK2R expression. <i>PLoS ONE</i> , <b>2018</b> , 13, e0201224	3.7	6
115	Siroheme Is Essential for Assimilation of Nitrate and Sulfate as Well as Detoxification of Nitric Oxide but Dispensable for Murine Virulence of. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2615	5.7	7
114	Eisenaufnahme in Pilzen der Gattung <i>Aspergillus</i> : strukturelle und biochemische Einblicke in Siderophoresterasen. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14834-14839	3.6	
113	Iron-sensing is governed by mitochondrial, not by cytosolic iron-sulfur cluster biogenesis in <i>Aspergillus fumigatus</i> . <i>Metallomics</i> , <b>2018</b> , 10, 1687-1700	4.5	16
112	Imaging of <i>Pseudomonas aeruginosa</i> infection with Ga-68 labelled pyoverdine for positron emission tomography. <i>Scientific Reports</i> , <b>2018</b> , 8, 15698	4.9	34
111	The Zn <sup>2+</sup> Cys <sub>6</sub> -type transcription factor LeuB cross-links regulation of leucine biosynthesis and iron acquisition in <i>Aspergillus fumigatus</i> . <i>PLoS Genetics</i> , <b>2018</b> , 14, e1007762	6	22
110	Developing Targeted Hybrid Imaging Probes by Chelator Scaffolding. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 1722-1733	6.3	16
109	The CCAAT-binding complex (CBC) in <i>Aspergillus</i> species. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2017</b> , 1860, 560-570	6	30
108	The cytochrome b CybE is regulated by iron availability and is crucial for azole resistance in <i>A. fumigatus</i> . <i>Metallomics</i> , <b>2017</b> , 9, 1655-1665	4.5	13
107	Siderophores for molecular imaging applications. <i>Clinical and Translational Imaging</i> , <b>2017</b> , 5, 15-27	2	66
106	Genetic and Dietary Iron Overload Differentially Affect the Course of Typhimurium Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 110	5.9	22

105	Bronchoalveolar lavage triacetylfusarinine C (TAFC) determination for diagnosis of invasive pulmonary aspergillosis in patients with hematological malignancies. <i>Journal of Infection</i> , <b>2017</b> , 75, 370-373	18.9	24
104	Identification and characterization of haemofungin, a novel antifungal compound that inhibits the final step of haem biosynthesis. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 946-52	5.1	16
103	Histidine biosynthesis plays a crucial role in metal homeostasis and virulence of <i>Aspergillus fumigatus</i> . <i>Virulence</i> , <b>2016</b> , 7, 465-76	4.7	35
102	Sterol Biosynthesis and Azole Tolerance Is Governed by the Opposing Actions of SrbA and the CCAAT Binding Complex. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005775	7.6	63
101	Systematic Identification of Anti-Fungal Drug Targets by a Metabolic Network Approach. <i>Frontiers in Molecular Biosciences</i> , <b>2016</b> , 3, 22	5.6	33
100	Diagnostic Performance Of Bronchoalveolar Lavage Triacetylfusarinine C (TAFC) Determination for Invasive Pulmonary Aspergillosis In Patients With Hematological Malignancies. <i>Open Forum Infectious Diseases</i> , <b>2016</b> , 3,	1	2
99	Ergothioneine Biosynthesis and Functionality in the Opportunistic Fungal Pathogen, <i>Aspergillus fumigatus</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 35306	4.9	35
98	In Vitro and In Vivo Comparison of Selected Ga-68 and Zr-89 Labelled Siderophores. <i>Molecular Imaging and Biology</i> , <b>2016</b> , 18, 344-52	3.8	30
97	Differentially regulated high-affinity iron assimilation systems support growth of the various cell types in the dimorphic pathogen <i>Talaromyces marneffeii</i> . <i>Molecular Microbiology</i> , <b>2016</b> , 102, 715-737	4.1	6
96	<i>Pseudomonas aeruginosa</i> manipulates redox and iron homeostasis of its microbiota partner <i>Aspergillus fumigatus</i> via phenazines. <i>Scientific Reports</i> , <b>2015</b> , 5, 8220	4.9	99
95	Comparative proteomics of a tor inducible <i>Aspergillus fumigatus</i> mutant reveals involvement of the Tor kinase in iron regulation. <i>Proteomics</i> , <b>2015</b> , 15, 2230-43	4.8	41
94	An iron-mimicking, Trojan horse-entering fungi--has the time come for molecular imaging of fungal infections?. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1004568	7.6	37
93	Deciphering the combinatorial DNA-binding code of the CCAAT-binding complex and the iron-regulatory basic region leucine zipper (bZIP) transcription factor HapX. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 6058-70	5.4	27
92	Novel Bifunctional Cyclic Chelator for (89)Zr Labeling-Radiolabeling and Targeting Properties of RGD Conjugates. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 2142-50	5.6	60
91	How to trigger a fungal weapon. <i>ELife</i> , <b>2015</b> , 4,	8.9	4
90	Selected Ga-siderophores versus Ga-colloid and Ga-citrate: biodistribution and small animal imaging in mice. <i>Biomedical Papers of the Medical Faculty of the University Palacky&amp;#x0301;, Olomouc, Czechoslovakia</i> , <b>2015</b> , 159, 60-6	1.7	13
89	AmcA-a putative mitochondrial ornithine transporter supporting fungal siderophore biosynthesis. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 252	5.7	11
88	Fusarinine C, a novel siderophore-based bifunctional chelator for radiolabeling with Gallium-68. <i>Journal of Labelled Compounds and Radiopharmaceutics</i> , <b>2015</b> , 58, 209-14	1.9	28

87	[(68Ga)FSC-(RGD) <sub>3</sub> a trimeric RGD peptide for imaging $\alpha$ <sub>v</sub> $\beta$ integrin expression based on a novel siderophore derived chelating scaffold-synthesis and evaluation. <i>Nuclear Medicine and Biology</i> , <b>2015</b> , 42, 115-22	2.1	45
86	Fungal siderophore metabolism with a focus on <i>Aspergillus fumigatus</i> . <i>Natural Product Reports</i> , <b>2014</b> , 31, 1266-76	15.1	188
85	Improved MALDI-TOF microbial mass spectrometry imaging by application of a dispersed solid matrix. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2014</b> , 25, 1498-501	3.5	13
84	An endogenous promoter for conditional gene expression in <i>Acremonium chrysogenum</i> : the xylan and xylose inducible promoter <i>xyl1(P)</i> . <i>Journal of Biotechnology</i> , <b>2014</b> , 169, 82-6	3.7	10
83	Hydroxamate production as a high affinity iron acquisition mechanism in <i>Paracoccidioides</i> spp. <i>PLoS ONE</i> , <b>2014</b> , 9, e105805	3.7	29
82	Genome mining and functional genomics for siderophore production in <i>Aspergillus niger</i> . <i>Briefings in Functional Genomics</i> , <b>2014</b> , 13, 482-92	4.9	20
81	Perturbations in small molecule synthesis uncovers an iron-responsive secondary metabolite network in <i>Aspergillus fumigatus</i> . <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 530	5.7	36
80	ChIP-seq and in vivo transcriptome analyses of the <i>Aspergillus fumigatus</i> SREBP <i>SrbA</i> reveals a new regulator of the fungal hypoxia response and virulence. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004487	7.6	110
79	The pH-responsive PacC transcription factor of <i>Aspergillus fumigatus</i> governs epithelial entry and tissue invasion during pulmonary aspergillosis. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004413	7.6	99
78	The novel globin protein fungoglobin is involved in low oxygen adaptation of <i>Aspergillus fumigatus</i> . <i>Molecular Microbiology</i> , <b>2014</b> , 93, 539-53	4.1	16
77	The Janus transcription factor HapX controls fungal adaptation to both iron starvation and iron excess. <i>EMBO Journal</i> , <b>2014</b> , 33, 2261-76	13	83
76	Biotrophy-specific downregulation of siderophore biosynthesis in <i>Colletotrichum graminicola</i> is required for modulation of immune responses of maize. <i>Molecular Microbiology</i> , <b>2014</b> , 92, 338-55	4.1	35
75	<sup>68</sup> Ga-triacetylfusarinine C and <sup>68</sup> Ga-ferrioxamine E for <i>Aspergillus</i> infection imaging: uptake specificity in various microorganisms. <i>Molecular Imaging and Biology</i> , <b>2014</b> , 16, 102-8	3.8	64
74	The role of coproporphyrinogen III oxidase and ferrochelatase genes in heme biosynthesis and regulation in <i>Aspergillus niger</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 9773-85	5.7	10
73	Linear fusigen as the major hydroxamate siderophore of the ectomycorrhizal Basidiomycota <i>Laccaria laccata</i> and <i>Laccaria bicolor</i> . <i>BioMetals</i> , <b>2013</b> , 26, 969-79	3.4	26
72	The first promoter for conditional gene expression in <i>Acremonium chrysogenum</i> : iron starvation-inducible <i>mir1(P)</i> . <i>Journal of Biotechnology</i> , <b>2013</b> , 163, 77-80	3.7	14
71	Targeting iron acquisition blocks infection with the fungal pathogens <i>Aspergillus fumigatus</i> and <i>Fusarium oxysporum</i> . <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003436	7.6	74
70	Regulation of sulphur assimilation is essential for virulence and affects iron homeostasis of the human-pathogenic mould <i>Aspergillus fumigatus</i> . <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003573	7.6	60

69	Fungal siderophore biosynthesis is partially localized in peroxisomes. <i>Molecular Microbiology</i> , <b>2013</b> , 88, 862-75	4.1	53
68	<i>Aspergillus fumigatus</i> SidJ mediates intracellular siderophore hydrolysis. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 7534-6	4.8	19
67	Bimodular peptide synthetase SidE produces fumarylalanine in the human pathogen <i>Aspergillus fumigatus</i> . <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 6670-6	4.8	16
66	Iron competition in fungus-plant interactions: the battle takes place in the rhizosphere. <i>Plant Signaling and Behavior</i> , <b>2013</b> , 8, e23012	2.5	6
65	Characterization of the Link between Ornithine, Arginine, Polyamine and Siderophore Metabolism in <i>Aspergillus fumigatus</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e67426	3.7	24
64	Regulatory interactions for iron homeostasis in <i>Aspergillus fumigatus</i> inferred by a Systems Biology approach. <i>BMC Systems Biology</i> , <b>2012</b> , 6, 6	3.5	33
63	The interplay between vacuolar and siderophore-mediated iron storage in <i>Aspergillus fumigatus</i> . <i>Metallomics</i> , <b>2012</b> , 4, 1262-70	4.5	48
62	In vitro and in vivo evaluation of selected <sup>68</sup> Ga-siderophores for infection imaging. <i>Nuclear Medicine and Biology</i> , <b>2012</b> , 39, 361-9	2.1	60
61	Iron - A Key Nexus in the Virulence of <i>Aspergillus fumigatus</i> . <i>Frontiers in Microbiology</i> , <b>2012</b> , 3, 28	5.7	141
60	Coordination of hypoxia adaptation and iron homeostasis in human pathogenic fungi. <i>Frontiers in Microbiology</i> , <b>2012</b> , 3, 381	5.7	24
59	Preclinical evaluation of two <sup>68</sup> Ga-siderophores as potential radiopharmaceuticals for <i>Aspergillus fumigatus</i> infection imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2012</b> , 39, 1175-83	8.8	92
58	Mevalonate governs interdependency of ergosterol and siderophore biosyntheses in the fungal pathogen <i>Aspergillus fumigatus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E497-504	11.5	78
57	HapX-mediated iron homeostasis is essential for rhizosphere competence and virulence of the soilborne pathogen <i>Fusarium oxysporum</i> . <i>Plant Cell</i> , <b>2012</b> , 24, 3805-22	11.6	98
56	The metalloreductase FreB is involved in adaptation of <i>Aspergillus fumigatus</i> to iron starvation. <i>Fungal Genetics and Biology</i> , <b>2011</b> , 48, 1027-33	3.9	42
55	Iron homeostasis--AchillesSheel of <i>Aspergillus fumigatus</i> ?. <i>Current Opinion in Microbiology</i> , <b>2011</b> , 14, 400-5	7.9	105
54	The MAP kinase MpkA controls cell wall integrity, oxidative stress response, gliotoxin production and iron adaptation in <i>Aspergillus fumigatus</i> . <i>Molecular Microbiology</i> , <b>2011</b> , 82, 39-53	4.1	106
53	The small molecular mass antifungal protein of <i>Penicillium chrysogenum</i> --a mechanism of action oriented review. <i>Journal of Basic Microbiology</i> , <b>2011</b> , 51, 561-71	2.7	31
52	Analysis of the <i>Aspergillus fumigatus</i> proteome reveals metabolic changes and the activation of the pseurotin A biosynthesis gene cluster in response to hypoxia. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 2508-24	5.6	103



51	Among developmental regulators, StuA but not BrlA is essential for penicillin V production in <i>Penicillium chrysogenum</i> . <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 972-82	4.8	37
50	SREBP coordinates iron and ergosterol homeostasis to mediate triazole drug and hypoxia responses in the human fungal pathogen <i>Aspergillus fumigatus</i> . <i>PLoS Genetics</i> , <b>2011</b> , 7, e1002374	6	130
49	SidL, an <i>Aspergillus fumigatus</i> transacetylase involved in biosynthesis of the siderophores ferricrocin and hydroxyferricrocin. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 4959-66	4.8	52
48	The CCAAT-binding complex coordinates the oxidative stress response in eukaryotes. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 1098-113	20.1	78
47	<sup>68</sup> Ga-siderophores for PET imaging of invasive pulmonary aspergillosis: proof of principle. <i>Journal of Nuclear Medicine</i> , <b>2010</b> , 51, 639-45	8.9	94
46	Exploring the concordance of <i>Aspergillus fumigatus</i> pathogenicity in mice and Toll-deficient flies. <i>Medical Mycology</i> , <b>2010</b> , 48, 506-10	3.9	24
45	HapX-mediated adaption to iron starvation is crucial for virulence of <i>Aspergillus fumigatus</i> . <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1001124	7.6	198
44	Self-protection against gliotoxin--a component of the gliotoxin biosynthetic cluster, GliT, completely protects <i>Aspergillus fumigatus</i> against exogenous gliotoxin. <i>PLoS Pathogens</i> , <b>2010</b> , 6, e1000952	7.6	138
43	The crucial role of the <i>Aspergillus fumigatus</i> siderophore system in interaction with alveolar macrophages. <i>Microbes and Infection</i> , <b>2010</b> , 12, 1035-41	9.3	41
42	Development-dependent scavenging of nucleic acids in the filamentous fungus <i>Aspergillus fumigatus</i> . <i>RNA Biology</i> , <b>2009</b> , 6, 179-86	4.8	19
41	Ferricrocin, a siderophore involved in intra- and transcellular iron distribution in <i>Aspergillus fumigatus</i> . <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 4194-6	4.8	91
40	The interplay between iron and zinc metabolism in <i>Aspergillus fumigatus</i> . <i>Fungal Genetics and Biology</i> , <b>2009</b> , 46, 707-13	3.9	31
39	SreA-mediated iron regulation in <i>Aspergillus fumigatus</i> . <i>Molecular Microbiology</i> , <b>2008</b> , 70, 27-43	4.1	187
38	Functional and physical interaction of blue- and red-light sensors in <i>Aspergillus nidulans</i> . <i>Current Biology</i> , <b>2008</b> , 18, 255-9	6.3	236
37	Siderophores in fungal physiology and virulence. <i>Annual Review of Phytopathology</i> , <b>2008</b> , 46, 149-87	10.8	295
36	Small ncRNA transcriptome analysis from <i>Aspergillus fumigatus</i> suggests a novel mechanism for regulation of protein synthesis. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, 2677-89	20.1	140
35	Sub-telomere directed gene expression during initiation of invasive aspergillosis. <i>PLoS Pathogens</i> , <b>2008</b> , 4, e1000154	7.6	191
34	Potential basis for amphotericin B resistance in <i>Aspergillus terreus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , <b>2008</b> , 52, 1553-5	5.9	96



33	Interaction of HapX with the CCAAT-binding complex--a novel mechanism of gene regulation by iron. <i>EMBO Journal</i> , <b>2007</b> , 26, 3157-68	13	184
32	EstB-mediated hydrolysis of the siderophore triacetylfusarinine C optimizes iron uptake of <i>Aspergillus fumigatus</i> . <i>Eukaryotic Cell</i> , <b>2007</b> , 6, 1278-85		59
31	Distinct roles for intra- and extracellular siderophores during <i>Aspergillus fumigatus</i> infection. <i>PLoS Pathogens</i> , <b>2007</b> , 3, 1195-207	7.6	292
30	The intracellular siderophore ferricrocin is involved in iron storage, oxidative-stress resistance, germination, and sexual development in <i>Aspergillus nidulans</i> . <i>Eukaryotic Cell</i> , <b>2006</b> , 5, 1596-603		110
29	NPS6, encoding a nonribosomal peptide synthetase involved in siderophore-mediated iron metabolism, is a conserved virulence determinant of plant pathogenic ascomycetes. <i>Plant Cell</i> , <b>2006</b> , 18, 2836-53	11.6	257
28	Genomic sequence of the pathogenic and allergenic filamentous fungus <i>Aspergillus fumigatus</i> . <i>Nature</i> , <b>2005</b> , 438, 1151-6	50.4	1114
27	HdaA, a major class 2 histone deacetylase of <i>Aspergillus nidulans</i> , affects growth under conditions of oxidative stress. <i>Eukaryotic Cell</i> , <b>2005</b> , 4, 1736-45		49
26	Human tear lipocalin exhibits antimicrobial activity by scavenging microbial siderophores. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2004</b> , 48, 3367-72	5.9	155
25	Siderophore biosynthesis but not reductive iron assimilation is essential for <i>Aspergillus fumigatus</i> virulence. <i>Journal of Experimental Medicine</i> , <b>2004</b> , 200, 1213-9	16.6	382
24	Ferrichrome in <i>Schizosaccharomyces pombe</i> --an iron transport and iron storage compound. <i>BioMetals</i> , <b>2004</b> , 17, 647-54	3.4	49
23	Biosynthesis and uptake of siderophores is controlled by the PacC-mediated ambient-pH Regulatory system in <i>Aspergillus nidulans</i> . <i>Eukaryotic Cell</i> , <b>2004</b> , 3, 561-3		78
22	Histone deacetylases in fungi: novel members, new facts. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, 3971-81	20.1	55
21	4Sphosphopantetheinyl transferase-encoding <i>npgA</i> is essential for siderophore biosynthesis in <i>Aspergillus nidulans</i> . <i>Current Genetics</i> , <b>2003</b> , 44, 211-5	2.9	43
20	The siderophore system is essential for viability of <i>Aspergillus nidulans</i> : functional analysis of two genes encoding L-ornithine N 5-monooxygenase ( <i>sidA</i> ) and a non-ribosomal peptide synthetase ( <i>sidC</i> ). <i>Molecular Microbiology</i> , <b>2003</b> , 49, 359-75	4.1	198
19	Active internalization of the <i>Penicillium chrysogenum</i> antifungal protein PAF in sensitive aspergilli. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2003</b> , 47, 3598-601	5.9	49
18	A circadian oscillator in <i>Aspergillus</i> spp. regulates daily development and gene expression. <i>Eukaryotic Cell</i> , <b>2003</b> , 2, 231-7		66
17	Characterization of the <i>Aspergillus nidulans</i> transporters for the siderophores enterobactin and triacetylfusarinine C. <i>Biochemical Journal</i> , <b>2003</b> , 371, 505-13	3.8	109
16	Regulation of <i>freA</i> , <i>acoA</i> , <i>lysF</i> , and <i>cycA</i> expression by iron availability in <i>Aspergillus nidulans</i> . <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 5769-72	4.8	24

15	SREA is involved in regulation of siderophore biosynthesis, utilization and uptake in <i>Aspergillus nidulans</i> . <i>Molecular Microbiology</i> , <b>2001</b> , 41, 1077-89	4.1	129
14	Comparative analysis of HD2 type histone deacetylases in higher plants. <i>Planta</i> , <b>2001</b> , 213, 280-5	4.7	70
13	The <i>Aspergillus nidulans</i> GATA transcription factor gene <i>areB</i> encodes at least three proteins and features three classes of mutation. <i>Molecular Microbiology</i> , <b>2001</b> , 40, 361-75	4.1	41
12	<i>xylP</i> promoter-based expression system and its use for antisense downregulation of the <i>Penicillium chrysogenum</i> nitrogen regulator <i>NRE</i> . <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 4810-6	4.8	86
11	Iron starvation leads to increased expression of Cu/Zn-superoxide dismutase in <i>Aspergillus</i> . <i>FEBS Letters</i> , <b>2000</b> , 485, 113-6	3.8	36
10	The <i>Aspergillus nidulans</i> GATA factor SREA is involved in regulation of siderophore biosynthesis and control of iron uptake. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 4613-9	5.4	132
9	Overexpression of <i>nreB</i> , a new GATA factor-encoding gene of <i>Penicillium chrysogenum</i> , leads to repression of the nitrate assimilatory gene cluster. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 22576-82	5.4	39
8	Identification of maize histone deacetylase HD2 as an acidic nucleolar phosphoprotein. <i>Science</i> , <b>1997</b> , 277, 88-91	33.3	210
7	Molecular analysis of a <i>Penicillium chrysogenum</i> GATA factor encoding gene ( <i>sreP</i> ) exhibiting significant homology to the <i>Ustilago maydis</i> <i>urbs1</i> gene. <i>Gene</i> , <b>1997</b> , 184, 33-7	3.8	55
6	<i>NRE</i> , the major nitrogen regulatory protein of <i>Penicillium chrysogenum</i> , binds specifically to elements in the intergenic promoter regions of nitrate assimilation and penicillin biosynthetic gene clusters. <i>Current Genetics</i> , <b>1995</b> , 28, 177-83	2.9	92
5	Sequence and structure of <i>Penicillium chrysogenum</i> <i>phoG</i> , homologous to an acid phosphatase-encoding gene of <i>Aspergillus nidulans</i> . <i>Gene</i> , <b>1995</b> , 160, 137-8	3.8	3
4	Cloning, structural organization and regulation of expression of the <i>Penicillium chrysogenum</i> <i>paf</i> gene encoding an abundantly secreted protein with antifungal activity. <i>Gene</i> , <b>1995</b> , 167, 167-71	3.8	79
3	Cloning and structural organization of a xylanase-encoding gene from <i>penicillium chrysogenum</i> . <i>Gene</i> , <b>1993</b> , 126, 237-42	3.8	36
2	Isolation and analysis of the <i>Penicillium chrysogenum</i> <i>phoA</i> gene encoding a secreted phosphate-repressible acid phosphatase. <i>Gene</i> , <b>1992</b> , 113, 129-33	3.8	39
1	Cations (Zn, Fe)107-129		2