

Robert A Cramer

List of Publications by Citations

Source: <https://exaly.com/author-pdf/240754/robert-a-cramer-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

96
papers

6,062
citations

44
h-index

77
g-index

112
ext. papers

7,538
ext. citations

7.4
avg, IF

5.59
L-index

#	Paper	IF	Citations
96	mTOR- and HIF-1 β -mediated aerobic glycolysis as metabolic basis for trained immunity. <i>Science</i> , 2014 , 345, 1250684	33.3	1020
95	Transcriptional regulation of chemical diversity in <i>Aspergillus fumigatus</i> by LaeA. <i>PLoS Pathogens</i> , 2007 , 3, e50	7.6	275
94	Harnessing calcineurin as a novel anti-infective agent against invasive fungal infections. <i>Nature Reviews Microbiology</i> , 2007 , 5, 418-30	22.2	247
93	A sterol-regulatory element binding protein is required for cell polarity, hypoxia adaptation, azole drug resistance, and virulence in <i>Aspergillus fumigatus</i> . <i>PLoS Pathogens</i> , 2008 , 4, e1000200	7.6	243
92	Calcineurin controls growth, morphology, and pathogenicity in <i>Aspergillus fumigatus</i> . <i>Eukaryotic Cell</i> , 2006 , 5, 1091-103		230
91	Disruption of a nonribosomal peptide synthetase in <i>Aspergillus fumigatus</i> eliminates gliotoxin production. <i>Eukaryotic Cell</i> , 2006 , 5, 972-80		184
90	In vivo hypoxia and a fungal alcohol dehydrogenase influence the pathogenesis of invasive pulmonary aspergillosis. <i>PLoS Pathogens</i> , 2011 , 7, e1002145	7.6	164
89	Alt a 1 allergen homologs from <i>Alternaria</i> and related taxa: analysis of phylogenetic content and secondary structure. <i>Fungal Genetics and Biology</i> , 2005 , 42, 119-29	3.9	162
88	Iridovirus and microsporidian linked to honey bee colony decline. <i>PLoS ONE</i> , 2010 , 5, e13181	3.7	158
87	Differential adaptation of <i>Candida albicans</i> in vivo modulates immune recognition by dectin-1. <i>PLoS Pathogens</i> , 2013 , 9, e1003315	7.6	145
86	Hypoxia and fungal pathogenesis: to air or not to air?. <i>Eukaryotic Cell</i> , 2012 , 11, 560-70		136
85	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> , 2011 , 7, e1002374	6	130
84	Calcineurin target CrzA regulates conidial germination, hyphal growth, and pathogenesis of <i>Aspergillus fumigatus</i> . <i>Eukaryotic Cell</i> , 2008 , 7, 1085-97		130
83	ChIP-seq and in vivo transcriptome analyses of the <i>Aspergillus fumigatus</i> SREBP SrbA reveals a new regulator of the fungal hypoxia response and virulence. <i>PLoS Pathogens</i> , 2014 , 10, e1004487	7.6	110
82	Unique metabolic activation of adipose tissue macrophages in obesity promotes inflammatory responses. <i>Diabetologia</i> , 2018 , 61, 942-953	10.3	97
81	IL-1 β signaling is critical for leukocyte recruitment after pulmonary <i>Aspergillus fumigatus</i> challenge. <i>PLoS Pathogens</i> , 2015 , 11, e1004625	7.6	93
80	Transcriptomic and proteomic analyses of the <i>Aspergillus fumigatus</i> hypoxia response using an oxygen-controlled fermenter. <i>BMC Genomics</i> , 2012 , 13, 62	4.5	89

79	Diverse Regulation of the CreA Carbon Catabolite Repressor in <i>Aspergillus nidulans</i> . <i>Genetics</i> , 2016 , 203, 335-52	4	88
78	Trehalose 6-phosphate phosphatase is required for cell wall integrity and fungal virulence but not trehalose biosynthesis in the human fungal pathogen <i>Aspergillus fumigatus</i> . <i>Molecular Microbiology</i> , 2010 , 77, 891-911	4.1	85
77	The Janus transcription factor HapX controls fungal adaptation to both iron starvation and iron excess. <i>EMBO Journal</i> , 2014 , 33, 2261-76	13	83
76	Calcineurin inhibition or mutation enhances cell wall inhibitors against <i>Aspergillus fumigatus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 2979-81	5.9	81
75	Compartment-specific and sequential role of MyD88 and CARD9 in chemokine induction and innate defense during respiratory fungal infection. <i>PLoS Pathogens</i> , 2015 , 11, e1004589	7.6	78
74	HacA-independent functions of the ER stress sensor IreA synergize with the canonical UPR to influence virulence traits in <i>Aspergillus fumigatus</i> . <i>PLoS Pathogens</i> , 2011 , 7, e1002330	7.6	75
73	Heterogeneity among Isolates Reveals that Fitness in Low Oxygen Correlates with <i>Aspergillus fumigatus</i> Virulence. <i>MBio</i> , 2016 , 7,	7.8	75
72	Immune responses against <i>Aspergillus fumigatus</i> : what have we learned?. <i>Current Opinion in Infectious Diseases</i> , 2011 , 24, 315-22	5.4	64
71	Sterilizing immunity in the lung relies on targeting fungal apoptosis-like programmed cell death. <i>Science</i> , 2017 , 357, 1037-1041	33.3	63
70	<i>Aspergillus fumigatus</i> mitochondrial electron transport chain mediates oxidative stress homeostasis, hypoxia responses and fungal pathogenesis. <i>Molecular Microbiology</i> , 2012 , 84, 383-99	4.1	61
69	Phylogenomic analysis of non-ribosomal peptide synthetases in the genus <i>Aspergillus</i> . <i>Gene</i> , 2006 , 383, 24-32	3.8	60
68	Identification of <i>Alternaria brassicicola</i> genes expressed in planta during pathogenesis of <i>Arabidopsis thaliana</i> . <i>Fungal Genetics and Biology</i> , 2004 , 41, 115-28	3.9	57
67	TmpL, a transmembrane protein required for intracellular redox homeostasis and virulence in a plant and an animal fungal pathogen. <i>PLoS Pathogens</i> , 2009 , 5, e1000653	7.6	56
66	Hypoxia enhances innate immune activation to <i>Aspergillus fumigatus</i> through cell wall modulation. <i>Microbes and Infection</i> , 2013 , 15, 259-69	9.3	54
65	Myeloid derived hypoxia inducible factor 1-alpha is required for protection against pulmonary <i>Aspergillus fumigatus</i> infection. <i>PLoS Pathogens</i> , 2014 , 10, e1004378	7.6	53
64	Regulation of hypoxia adaptation: an overlooked virulence attribute of pathogenic fungi?. <i>Medical Mycology</i> , 2010 , 48, 1-15	3.9	53
63	SREBP-dependent triazole susceptibility in <i>Aspergillus fumigatus</i> is mediated through direct transcriptional regulation of <i>erg11A</i> (<i>cyp51A</i>). <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 248-57	5.9	52
62	A high throughput targeted gene disruption method for <i>Alternaria brassicicola</i> functional genomics using linear minimal element (LME) constructs. <i>Molecular Plant-Microbe Interactions</i> , 2006 , 19, 7-15	3.6	52

61	Central Role of the Trehalose Biosynthesis Pathway in the Pathogenesis of Human Fungal Infections: Opportunities and Challenges for Therapeutic Development. <i>Microbiology and Molecular Biology Reviews</i> , 2017 , 81,	13.2	51
60	At Death's Door: <i>Alternaria</i> Pathogenicity Mechanisms. <i>Plant Pathology Journal</i> , 2008 , 24, 101-111	2.5	51
59	Regulation of Sterol Biosynthesis in the Human Fungal Pathogen : Opportunities for Therapeutic Development. <i>Frontiers in Microbiology</i> , 2017 , 8, 92	5.7	50
58	Filamentous fungal carbon catabolite repression supports metabolic plasticity and stress responses essential for disease progression. <i>PLoS Pathogens</i> , 2017 , 13, e1006340	7.6	49
57	<i>Candida albicans</i> induces arginine biosynthetic genes in response to host-derived reactive oxygen species. <i>Eukaryotic Cell</i> , 2013 , 12, 91-100		49
56	The Fus3/Kss1 MAP kinase homolog Amk1 regulates the expression of genes encoding hydrolytic enzymes in <i>Alternaria brassicicola</i> . <i>Fungal Genetics and Biology</i> , 2007 , 44, 543-53	3.9	48
55	<i>Aspergillus fumigatus</i> metabolism: clues to mechanisms of in vivo fungal growth and virulence. <i>Medical Mycology</i> , 2009 , 47 Suppl 1, S72-9	3.9	47
54	Fungal biofilm morphology impacts hypoxia fitness and disease progression. <i>Nature Microbiology</i> , 2019 , 4, 2430-2441	26.6	46
53	Dsc orthologs are required for hypoxia adaptation, triazole drug responses, and fungal virulence in <i>Aspergillus fumigatus</i> . <i>Eukaryotic Cell</i> , 2012 , 11, 1557-67		44
52	Interleukin 1βs Critical for Resistance against Highly Virulent <i>Aspergillus fumigatus</i> Isolates. <i>Infection and Immunity</i> , 2017 , 85,	3.7	42
51	The negative cofactor 2 complex is a key regulator of drug resistance in <i>Aspergillus fumigatus</i> . <i>Nature Communications</i> , 2020 , 11, 427	17.4	41
50	Functional analysis of the <i>Alternaria brassicicola</i> non-ribosomal peptide synthetase gene AbNPS2 reveals a role in conidial cell wall construction. <i>Molecular Plant Pathology</i> , 2007 , 8, 23-39	5.7	41
49	Cloning of a gene encoding an Alt a 1 isoallergen differentially expressed by the necrotrophic fungus <i>Alternaria brassicicola</i> during <i>Arabidopsis</i> infection. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 2361-4	4.8	37
48	The small GTPase RacA mediates intracellular reactive oxygen species production, polarized growth, and virulence in the human fungal pathogen <i>Aspergillus fumigatus</i> . <i>Eukaryotic Cell</i> , 2011 , 10, 174-86		35
47	<i>Aspergillus fumigatus</i> Photobiology Illuminates the Marked Heterogeneity between Isolates. <i>MBio</i> , 2016 , 7,	7.8	34
46	Role of Granulocyte-Macrophage Colony-Stimulating Factor Signaling in Regulating Neutrophil Antifungal Activity and the Oxidative Burst During Respiratory Fungal Challenge. <i>Journal of Infectious Diseases</i> , 2016 , 213, 1289-98	7	34
45	<i>Aspergillus fumigatus</i> calcipressin CbpA is involved in hyphal growth and calcium homeostasis. <i>Eukaryotic Cell</i> , 2009 , 8, 511-9		31
44	Overview of carbon and nitrogen catabolite metabolism in the virulence of human pathogenic fungi. <i>Molecular Microbiology</i> , 2018 , 107, 277-297	4.1	28

43	Functional and Genomic Architecture of <i>Borrelia burgdorferi</i> -Induced Cytokine Responses in Humans. <i>Cell Host and Microbe</i> , 2016 , 20, 822-833	23.4	27
42	Implications of hypoxic microenvironments during invasive aspergillosis. <i>Medical Mycology</i> , 2011 , 49 Suppl 1, S120-4	3.9	26
41	Bioinformatic analysis of expressed sequence tags derived from a compatible <i>Alternaria brassicicola</i> - <i>Brassica oleracea</i> interaction. <i>Molecular Plant Pathology</i> , 2006 , 7, 113-24	5.7	25
40	Characterization of the <i>Paracoccidioides</i> Hypoxia Response Reveals New Insights into Pathogenesis Mechanisms of This Important Human Pathogenic Fungus. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004282	4.8	24
39	Coordination of hypoxia adaptation and iron homeostasis in human pathogenic fungi. <i>Frontiers in Microbiology</i> , 2012 , 3, 381	5.7	24
38	Polyphasic characterization of <i>xanthomonas</i> strains from onion. <i>Phytopathology</i> , 2004 , 94, 184-95	3.8	24
37	Two C4-sterol methyl oxidases (Erg25) catalyse ergosterol intermediate demethylation and impact environmental stress adaptation in <i>Aspergillus fumigatus</i> . <i>Microbiology (United Kingdom)</i> , 2014 , 160, 2492-2506	2.9	22
36	Fungal biofilm architecture produces hypoxic microenvironments that drive antifungal resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 22473-22483 ^{11.5}	11.5	22
35	Characterizing the Pathogenic, Genomic, and Chemical Traits of , a Close Relative of the Major Human Fungal Pathogen. <i>MSphere</i> , 2019 , 4,	5	22
34	Protein Kinase A and High-Osmolarity Glycerol Response Pathways Cooperatively Control Cell Wall Carbohydrate Mobilization in. <i>MBio</i> , 2018 , 9,	7.8	22
33	Large-scale transcriptional response to hypoxia in <i>Aspergillus fumigatus</i> observed using RNAseq identifies a novel hypoxia regulated ncRNA. <i>Mycopathologia</i> , 2014 , 178, 331-9	2.9	21
32	<i>Aspergillus fumigatus</i> virulence through the lens of transcription factors. <i>Medical Mycology</i> , 2017 , 55, 24-38	3.9	20
31	RbdB, a Rhomboid Protease Critical for SREBP Activation and Virulence in <i>Aspergillus fumigatus</i> . <i>MSphere</i> , 2016 , 1,	5	18
30	Host-Derived Leukotriene B Is Critical for Resistance against Invasive Pulmonary Aspergillosis. <i>Frontiers in Immunology</i> , 2017 , 8, 1984	8.4	16
29	Modulation of Immune Signaling and Metabolism Highlights Host and Fungal Transcriptional Responses in Mouse Models of Invasive Pulmonary Aspergillosis. <i>Scientific Reports</i> , 2017 , 7, 17096	4.9	16
28	Trehalose-Regulatory Subunit Homolog Moonlights To Mediate Cell Wall Homeostasis through Modulation of Chitin Synthase Activity. <i>MBio</i> , 2017 , 8,	7.8	14
27	Beta-glucan-induced inflammatory monocytes mediate antitumor efficacy in the murine lung. <i>Cancer Immunology, Immunotherapy</i> , 2018 , 67, 1731-1742	7.4	14
26	Endoplasmic reticulum localized PerA is required for cell wall integrity, azole drug resistance, and virulence in <i>Aspergillus fumigatus</i> . <i>Molecular Microbiology</i> , 2014 , 92, 1279-98	4.1	13

25	An Ssd1 Homolog Impacts Trehalose and Chitin Biosynthesis and Contributes to Virulence in <i>Aspergillus fumigatus</i> . <i>MSphere</i> , 2019 , 4,	5	10
24	Platelets are critical for survival and tissue integrity during murine pulmonary <i>Aspergillus fumigatus</i> infection. <i>PLoS Pathogens</i> , 2020 , 16, e1008544	7.6	10
23	Reducing <i>Aspergillus fumigatus</i> Virulence through Targeted Dysregulation of the Conidiation Pathway. <i>MBio</i> , 2020 , 11,	7.8	9
22	Natamycin and Voriconazole Exhibit Synergistic Interactions with Nonantifungal Ophthalmic Agents against Species Ocular Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	7
21	New advances in invasive aspergillosis immunobiology leading the way towards personalized therapeutic approaches. <i>Cytokine</i> , 2016 , 84, 63-73	4	7
20	Fungal cell wall dynamics and infection site microenvironments: signal integration and infection outcome. <i>Current Opinion in Microbiology</i> , 2013 , 16, 385-90	7.9	7
19	Model Systems to Study the Chronic, Polymicrobial Infections in Cystic Fibrosis: Current Approaches and Exploring Future Directions. <i>MBio</i> , 2021 , 12, e0176321	7.8	7
18	Hyperbaric Oxygen Reduces <i>Aspergillus fumigatus</i> Proliferation and Influences Disease Outcomes. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	6
17	MDA5 Is an Essential Sensor of a Pathogen-Associated Molecular Pattern Associated with Vitality That Is Necessary for Host Resistance against. <i>Journal of Immunology</i> , 2020 , 205, 3058-3070	5.3	5
16	<i>Aspergillus fumigatus</i> Hsp90 interacts with the main components of the cell wall integrity pathway and cooperates in heat shock and cell wall stress adaptation. <i>Cellular Microbiology</i> , 2021 , 23, e13273	3.9	5
15	If looks could kill: Fungal macroscopic morphology and virulence. <i>PLoS Pathogens</i> , 2020 , 16, e1008612	7.6	4
14	<i>Aspergillus fumigatus</i> In-Host HOG Pathway Mutation for Cystic Fibrosis Lung Microenvironment Persistence. <i>MBio</i> , 2021 , 12, e0215321	7.8	4
13	Biofilms: five-star accommodations for the aerobically challenged. <i>Current Biology</i> , 2014 , 24, R1002-4	6.3	3
12	Host Lung Environment Limits <i>Aspergillus fumigatus</i> Germination through an SskA-Dependent Signaling Response. <i>MSphere</i> , 2021 , e0092221	5	3
11	Characterizing the pathogenic, genomic, and chemical traits of <i>Aspergillus fischeri</i> , a close relative of the major human fungal pathogen <i>Aspergillus fumigatus</i>		3
10	<i>Aspergillus fumigatus</i> Strain-Specific Conidia Lung Persistence Causes an Allergic Broncho-Pulmonary Aspergillosis-Like Disease Phenotype. <i>MSphere</i> , 2021 , 6,	5	3
9	Is It Time To Kill the Survival Curve? A Case for Disease Progression Factors in Microbial Pathogenesis and Host Defense Research. <i>MBio</i> , 2021 , 12,	7.8	3
8	A Heterogeneously Expressed Gene Family Modulates the Biofilm Architecture and Hypoxic Growth of. <i>MBio</i> , 2021 , 12,	7.8	3

7	Combined Pan-, Population-, and Phylo-Genomic Analysis of <i>Aspergillus fumigatus</i> Reveals Population Structure and Lineage-Specific Diversity		2
6	Response to Comment on "Sterilizing immunity in the lung relies on targeting fungal apoptosis-like programmed cell death". <i>Science</i> , 2018 , 360,	33.3	1
5	Genetic Regulation of <i>Aspergillus</i> Secondary Metabolites and Their Role in Fungal Pathogenesis185-199		1
4	<i>Aspergillus fumigatus</i> biofilms: Toward understanding how growth as a multicellular network increases antifungal resistance and disease progression. <i>PLoS Pathogens</i> , 2021 , 17, e1009794	7.6	1
3	An Alanine Aminotransferase Is Required for Biofilm-Specific Resistance of <i>Aspergillus fumigatus</i> to Echinocandin Treatment.. <i>MBio</i> , 2022 , e0293321	7.8	1
2	Detection of Low Oxygen Microenvironments in a Murine Model of Invasive Pulmonary Aspergillosis Using Pimonidazole. <i>Methods in Molecular Biology</i> , 2021 , 2260, 197-205	1.4	0
1	The effect of reducing agents on challenge of rainbow trout with <i>Aeromonas salmonicida</i> . <i>Journal of Fish Diseases</i> , 2017 , 40, 437-441	2.6	