Robert A Cramer

List of Publications by Year
in descending order

99 papers	8,366 citations	44069 48 h-index	48315 88 g-index
112 all docs	112 docs citations	112 times ranked	9416 citing authors

#	ARTICLE	IF	CITATIONS
1	An Alanine Aminotransferase Is Required for Biofilm-Specific Resistance of Aspergillus fumigatus to Echinocandin Treatment. MBio, 2022, 13, e0293321.	4.1	5
2	Avian-associated<i>Aspergillus fumigatus</i>displays broad phylogenetic distribution, no evidence for host specificity, and multiple genotypes within epizootic events. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	6
3	CF-Seq, an accessible web application for rapid re-analysis of cystic fibrosis pathogen RNA sequencing studies. Scientific Data, 2022, 9, .	5.3	7
4	<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. Cellular Microbiology, 2021, 23, e13273.	2.1	20
5	Detection of Low Oxygen Microenvironments in a Murine Model of Using. Methods in Molecular Biology, 2021, 2260, 197-205.	0.9	1
6	Aspergillus fumigatus Strain-Specific Conidia Lung Persistence Causes an Allergic Broncho-Pulmonary Aspergillosis-Like Disease Phenotype. MSphere, 2021, 6, .	2.9	9
7	Is It Time To Kill the Survival Curve? A Case for Disease Progression Factors in Microbial Pathogenesis and Host Defense Research. MBio, 2021, 12, .	4.1	6
8	A Heterogeneously Expressed Gene Family Modulates the Biofilm Architecture and Hypoxic Growth of <i>Aspergillus fumigatus</i>. MBio, 2021, 12, .	4.1	11
9	Aspergillus fumigatus In-Host HOG Pathway Mutation for Cystic Fibrosis Lung Microenvironment Persistence. MBio, 2021, 12, e0215321.	4.1	16
10	Aspergillus fumigatus biofilms: Toward understanding how growth as a multicellular network increases antifungal resistance and disease progression. PLoS Pathogens, 2021, 17, e1009794.	4.7	25
11	Model Systems to Study the Chronic, Polymicrobial Infections in Cystic Fibrosis: Current Approaches and Exploring Future Directions. MBio, 2021, 12, e0176321.	4.1	26
12	Host Lung Environment Limits Aspergillus fumigatus Germination through an SskA-Dependent Signaling Response. MSphere, 2021, 6, e0092221.	2.9	6
13	MDA5 Is an Essential Sensor of a Pathogen-Associated Molecular Pattern Associated with Vitality That Is Necessary for Host Resistance against <i>Aspergillus fumigatus</i>. Journal of Immunology, 2020, 205, 3058-3070.	0.8	16
14	Fungal biofilm architecture produces hypoxic microenvironments that drive antifungal resistance. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22473-22483.	7.1	63
15	Reducing Aspergillus fumigatus Virulence through Targeted Dysregulation of the Conidiation Pathway. MBio, 2020, 11, .	4.1	18
16	Platelets are critical for survival and tissue integrity during murine pulmonary Aspergillus fumigatus infection. PLoS Pathogens, 2020, 16, e1008544.	4.7	16
17	If looks could kill: Fungal macroscopic morphology and virulence. PLoS Pathogens, 2020, 16, e1008612.	4.7	11
18	The negative cofactor 2 complex is a key regulator of drug resistance in Aspergillus fumigatus. Nature Communications, 2020, 11, 427.	12.8	100

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19	Fungal biofilm morphology impacts hypoxia fitness and disease progression. Nature Microbiology, 2019, 4, 2430-2441.	13.3	81
20	An Ssd1 Homolog Impacts Trehalose and Chitin Biosynthesis and Contributes to Virulence in Aspergillus fumigatus. MSphere, 2019, 4, .	2.9	21
21	Natamycin and Voriconazole Exhibit Synergistic Interactions with Nonantifungal Ophthalmic Agents against <i>Fusarium</i> Species Ocular Isolates. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	9
22	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>. MSphere, 2019, 4, .	2.9	42
23	Unique metabolic activation of adipose tissue macrophages in obesity promotes inflammatory responses. Diabetologia, 2018, 61, 942-953.	6.3	149
24	Hyperbaric Oxygen Reduces Aspergillus fumigatus Proliferation <i>In Vitro</i> and Influences <i>In Vivo</i> Disease Outcomes. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	16
25	Overview of carbon and nitrogen catabolite metabolism in the virulence of human pathogenic fungi. Molecular Microbiology, 2018, 107, 277-297.	2.5	68
26	Protein Kinase A and High-Osmolarity Glycerol Response Pathways Cooperatively Control Cell Wall Carbohydrate Mobilization in <i>Aspergillus fumigatus</i>. MBio, 2018, 9, .	4.1	33
27	Beta-glucan-induced inflammatory monocytes mediate antitumor efficacy in the murine lung. Cancer Immunology, Immunotherapy, 2018, 67, 1731-1742.	4.2	24
28	Response to Comment on â€œSterilizing immunity in the lung relies on targeting fungal apoptosis-like programmed cell deathâ€• Science, 2018, 360, .	12.6	1
29	The effect of reducing agents on challenge of rainbow trout with <i>AeromonasÂsalmonicida</i>. Journal of Fish Diseases, 2017, 40, 437-441.	1.9	0
30	Central Role of the Trehalose Biosynthesis Pathway in the Pathogenesis of Human Fungal Infections: Opportunities and Challenges for Therapeutic Development. Microbiology and Molecular Biology Reviews, 2017, 81, .	6.6	93
31	7th Advances Against Aspergillosis: Basic, diagnostic, clinical and therapeutic studies. Medical Mycology, 2017, 55, 1-3.	0.7	4
32	Interleukin 1Î± Is Critical for Resistance against Highly Virulent Aspergillus fumigatus Isolates. Infection and Immunity, 2017, 85, .	2.2	65
33	<i>Aspergillus fumigatus</i> Trehalose-Regulatory Subunit Homolog Moonlights To Mediate Cell Wall Homeostasis through Modulation of Chitin Synthase Activity. MBio, 2017, 8, .	4.1	25
34	Sterilizing immunity in the lung relies on targeting fungal apoptosis-like programmed cell death. Science, 2017, 357, 1037-1041.	12.6	92
35	Modulation of Immune Signaling and Metabolism Highlights Host and Fungal Transcriptional Responses in Mouse Models of Invasive Pulmonary Aspergillosis. Scientific Reports, 2017, 7, 17096.	3.3	33
36	<i>Aspergillus fumigatus</i>virulence through the lens of transcription factors: Table 1.. Medical Mycology, 2017, 55, 24-38.	0.7	34

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37	Regulation of Sterol Biosynthesis in the Human Fungal Pathogen Aspergillus fumigatus: Opportunities for Therapeutic Development. Frontiers in Microbiology, 2017, 8, 92.	3.5	77
38	Filamentous fungal carbon catabolite repression supports metabolic plasticity and stress responses essential for disease progression. PLoS Pathogens, 2017, 13, e1006340.	4.7	80
39	Host-Derived Leukotriene B4 Is Critical for Resistance against Invasive Pulmonary Aspergillosis. Frontiers in Immunology, 2017, 8, 1984.	4.8	27
40	RbdB, a Rhomboid Protease Critical for SREBP Activation and Virulence in <i>Aspergillus fumigatus</i>. MSphere, 2016, 1, .	2.9	22
41	Diverse Regulation of the CreA Carbon Catabolite Repressor in <i>Aspergillus nidulans</i>. Genetics, 2016, 203, 335-352.	2.9	127
42	Heterogeneity among Isolates Reveals that Fitness in Low Oxygen Correlates with Aspergillus fumigatus Virulence. MBio, 2016, 7, .	4.1	131
43	Aspergillus fumigatus Photobiology Illuminates the Marked Heterogeneity between Isolates. MBio, 2016, 7, .	4.1	58
44	Functional and Genomic Architecture of Borrelia burgdorferi -Induced Cytokine Responses in Humans. Cell Host and Microbe, 2016, 20, 822-833.	11.0	44
45	New advances in invasive aspergillosis immunobiology leading the way towards personalized therapeutic approaches. Cytokine, 2016, 84, 63-73.	3.2	10
46	Role of Granulocyte-Macrophage Colony-Stimulating Factor Signaling in Regulating Neutrophil Antifungal Activity and the Oxidative Burst During Respiratory Fungal Challenge. Journal of Infectious Diseases, 2016, 213, 1289-1298.	4.0	52
47	<i>In vivo veritas: Aspergillus fumigatus</i>proliferation and pathogenesis â€" conditionally speaking. Virulence, 2016, 7, 7-10.	4.4	8
48	Characterization of the Paracoccidioides Hypoxia Response Reveals New Insights into Pathogenesis Mechanisms of This Important Human Pathogenic Fungus. PLoS Neglected Tropical Diseases, 2015, 9, e0004282.	3.0	32
49	Compartment-Specific and Sequential Role of MyD88 and CARD9 in Chemokine Induction and Innate Defense during Respiratory Fungal Infection. PLoS Pathogens, 2015, 11, e1004589.	4.7	93
50	IL-1Î± Signaling Is Critical for Leukocyte Recruitment after Pulmonary Aspergillus fumigatus Challenge. PLoS Pathogens, 2015, 11, e1004625.	4.7	126
51	Large-Scale Transcriptional Response to Hypoxia in Aspergillus fumigatus Observed Using RNAseq Identifies a Novel Hypoxia Regulated ncRNA. Mycopathologia, 2014, 178, 331-339.	3.1	29
52	ChIP-seq and In Vivo Transcriptome Analyses of the Aspergillus fumigatus SREBP SrbA Reveals a New Regulator of the Fungal Hypoxia Response and Virulence. PLoS Pathogens, 2014, 10, e1004487.	4.7	171
53	Myeloid Derived Hypoxia Inducible Factor 1-alpha Is Required for Protection against Pulmonary Aspergillus fumigatus Infection. PLoS Pathogens, 2014, 10, e1004378.	4.7	71
54	Biofilms: Five-Star Accommodations for the Aerobically Challenged. Current Biology, 2014, 24, R1002-R1004.	3.9	3

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55	Endoplasmic reticulum localized <scp>PerA</scp> is required for cell wall integrity, azole drug resistance, and virulence in <scp><i>A</i></scp><i>spergillus fumigatus</i>. Molecular Microbiology, 2014, 92, 1279-1298.	2.5	18
56	The <scp>J</scp> anus transcription factor <scp>H</scp> ap <scp>X</scp> controls fungal adaptation to both iron starvation and iron excess. EMBO Journal, 2014, 33, 2261-2276.	7.8	121
57	mTOR- and HIF-1Î±â€“mediated aerobic glycolysis as metabolic basis for trained immunity. Science, 2014, 345, 1250684.	12.6	1,517
58	Two C4-sterol methyl oxidases (Erg25) catalyse ergosterol intermediate demethylation and impact environmental stress adaptation in Aspergillus fumigatus. Microbiology (United Kingdom), 2014, 160, 2492-2506.	1.8	28
59	Fungal cell wall dynamics and infection site microenvironments: signal integration and infection outcome. Current Opinion in Microbiology, 2013, 16, 385-390.	5.1	8
60	Hypoxia enhances innate immune activation to Aspergillus fumigatus through cell wall modulation. Microbes and Infection, 2013, 15, 259-269.	1.9	69
61	Candida albicans Induces Arginine Biosynthetic Genes in Response to Host-Derived Reactive Oxygen Species. Eukaryotic Cell, 2013, 12, 91-100.	3.4	62
62	Differential Adaptation of Candida albicans In Vivo Modulates Immune Recognition by Dectin-1. PLoS Pathogens, 2013, 9, e1003315.	4.7	181
63	SREBP-Dependent Triazole Susceptibility in Aspergillus fumigatus Is Mediated through Direct Transcriptional Regulation of<i>erg11A</i>(<i>cyp51A</i>). Antimicrobial Agents and Chemotherapy, 2012, 56, 248-257.	3.2	65
64	Dsc Orthologs Are Required for Hypoxia Adaptation, Triazole Drug Responses, and Fungal Virulence in Aspergillus fumigatus. Eukaryotic Cell, 2012, 11, 1557-1567.	3.4	54
65	Transcriptomic and proteomic analyses of the Aspergillus fumigatus hypoxia response using an oxygen-controlled fermenter. BMC Genomics, 2012, 13, 62.	2.8	115
66	<i>Aspergillus fumigatus</i> mitochondrial electron transport chain mediates oxidative stress homeostasis, hypoxia responses and fungal pathogenesis. Molecular Microbiology, 2012, 84, 383-399.	2.5	84
67	Coordination of hypoxia adaptation and iron homeostasis in human pathogenic fungi. Frontiers in Microbiology, 2012, 3, 381.	3.5	39
68	Hypoxia and Fungal Pathogenesis: To Air or Not To Air?. Eukaryotic Cell, 2012, 11, 560-570.	3.4	173
69	Immune responses against Aspergillus fumigatus. Current Opinion in Infectious Diseases, 2011, 24, 315-322.	3.1	101
70	Implications of hypoxic microenvironments during invasive aspergillosis. Medical Mycology, 2011, 49, S120-S124.	0.7	30
71	The Small GTPase RacA Mediates Intracellular Reactive Oxygen Species Production, Polarized Growth, and Virulence in the Human Fungal Pathogen Aspergillus fumigatus. Eukaryotic Cell, 2011, 10, 174-186.	3.4	42
72	Secretion stress and fungal pathogenesis. Virulence, 2011, 2, 1-3.	4.4	12

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73	SREBP Coordinates Iron and Ergosterol Homeostasis to Mediate Triazole Drug and Hypoxia Responses in the Human Fungal Pathogen Aspergillus fumigatus. PLoS Genetics, 2011, 7, e1002374.	3.5	150
74	In vivo Hypoxia and a Fungal Alcohol Dehydrogenase Influence the Pathogenesis of Invasive Pulmonary Aspergillosis. PLoS Pathogens, 2011, 7, e1002145.	4.7	208
75	HacA-Independent Functions of the ER Stress Sensor IreA Synergize with the Canonical UPR to Influence Virulence Traits in Aspergillus fumigatus. PLoS Pathogens, 2011, 7, e1002330.	4.7	101
76	Trehalose 6â€phosphate phosphatase is required for cell wall integrity and fungal virulence but not trehalose biosynthesis in the human fungal pathogen <i>Aspergillus fumigatus</i>. Molecular Microbiology, 2010, 77, 891-911.	2.5	104
77	Iridovirus and Microsporidian Linked to Honey Bee Colony Decline. PLoS ONE, 2010, 5, e13181.	2.5	183
78	Regulation of hypoxia adaptation: an overlooked virulence attribute of pathogenic fungi?. Medical Mycology, 2010, 48, 1-15.	0.7	66
79	<i>Aspergillus fumigatus</i> Calcipressin CbpA Is Involved in Hyphal Growth and Calcium Homeostasis. Eukaryotic Cell, 2009, 8, 511-519.	3.4	41
80	TmpL, a Transmembrane Protein Required for Intracellular Redox Homeostasis and Virulence in a Plant and an Animal Fungal Pathogen. PLoS Pathogens, 2009, 5, e1000653.	4.7	62
81	Aspergillus fumigatusmetabolism: Clues to mechanisms ofin vivofungal growth and virulence. Medical Mycology, 2009, 47, S72-S79.	0.7	68
82	A Sterol-Regulatory Element Binding Protein Is Required for Cell Polarity, Hypoxia Adaptation, Azole Drug Resistance, and Virulence in Aspergillus fumigatus. PLoS Pathogens, 2008, 4, e1000200.	4.7	291
83	Calcineurin Target CrzA Regulates Conidial Germination, Hyphal Growth, and Pathogenesis of <i>Aspergillus fumigatus</i>. Eukaryotic Cell, 2008, 7, 1085-1097.	3.4	163
84	At Death's Door: Alternaria Pathogenicity Mechanisms. Plant Pathology Journal, 2008, 24, 101-111.	1.7	69
85	Transcriptional Regulation of Chemical Diversity in Aspergillus fumigatus by LaeA. PLoS Pathogens, 2007, 3, e50.	4.7	326
86	Calcineurin Inhibition or Mutation Enhances Cell Wall Inhibitors against Aspergillus fumigatus. Antimicrobial Agents and Chemotherapy, 2007, 51, 2979-2981.	3.2	96
87	The Fus3/Kss1 MAP kinase homolog Amk1 regulates the expression of genes encoding hydrolytic enzymes in Alternaria brassicicolaâ˜†. Fungal Genetics and Biology, 2007, 44, 543-553.	2.1	58
88	Harnessing calcineurin as a novel anti-infective agent against invasive fungal infections. Nature Reviews Microbiology, 2007, 5, 418-430.	28.6	281
89	Functional analysis of the Alternaria brassicicola non-ribosomal peptide synthetase gene AbNPS2 reveals a role in conidial cell wall construction. Molecular Plant Pathology, 2007, 8, 23-39.	4.2	46
90	Phylogenomic analysis of non-ribosomal peptide synthetases in the genus Aspergillus. Gene, 2006, 383, 24-32.	2.2	63

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91	A High Throughput Targeted Gene Disruption Method for Alternaria brassicicola Functional Genomics Using Linear Minimal Element (LME) Constructs. Molecular Plant-Microbe Interactions, 2006, 19, 7-15.	2.6	67
92	Bioinformatic analysis of expressed sequence tags derived from a compatible Alternaria brassicicola-Brassica oleracea interaction. Molecular Plant Pathology, 2006, 7, 113-124.	4.2	30
93	Calcineurin Controls Growth, Morphology, and Pathogenicity in Aspergillus fumigatus. Eukaryotic Cell, 2006, 5, 1091-1103.	3.4	262
94	Disruption of a Nonribosomal Peptide Synthetase in Aspergillus fumigatus Eliminates Gliotoxin Production. Eukaryotic Cell, 2006, 5, 972-980.	3.4	208
95	Alt a 1 allergen homologs from Alternaria and related taxa: analysis of phylogenetic content and secondary structure. Fungal Genetics and Biology, 2005, 42, 119-129.	2.1	240
96	Identification of Alternaria brassicicola genes expressed in planta during pathogenesis of Arabidopsis thaliana. Fungal Genetics and Biology, 2004, 41, 115-128.	2.1	65
97	Polyphasic Characterization of Xanthomonas Strains from Onion. Phytopathology, 2004, 94, 184-195.	2.2	27
98	Cloning of a Gene Encoding an Alt a 1 Isoallergen Differentially Expressed by the Necrotrophic Fungus Alternaria brassicicola during Arabidopsis Infection. Applied and Environmental Microbiology, 2003, 69, 2361-2364.	3.1	40
99	Genetic Regulation of Aspergillus Secondary Metabolites and Their Role in Fungal Pathogenesis. , 0, , 185-199.		1