Praveen R Juvvadi

List of Publications by Year
in descending order

84	4,594	109321	102487
papers	citations	35 h-index	66 g-index

86	86	86	3986
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Protein Kinase A Regulates Autophagy-Associated Proteins Impacting Growth and Virulence of Aspergillus fumigatus. Journal of Fungi (Basel, Switzerland), 2022, 8, 354.	3.5	1
2	Structure-Guided Synthesis of FK506 and FK520 Analogs with Increased Selectivity ExhibitIn VivoTherapeutic Efficacy against Cryptococcus. MBio, 2022, 13, .	4.1	8
3	In Vitro Activity of APX2041, a New Gwt1 Inhibitor, and In Vivo Efficacy of the Prodrug APX2104 against Aspergillus fumigatus. Antimicrobial Agents and Chemotherapy, 2021, 65, e0068221.	3.2	5
4	Leveraging Fungal and Human Calcineurin-Inhibitor Structures, Biophysical Data, and Dynamics To Design Selective and Nonimmunosuppressive FK506 Analogs. MBio, 2021, 12, e0300021.	4.1	14
5	Aspergillus fumigatus Cyp51A and Cyp51B Proteins Are Compensatory in Function and Localize Differentially in Response to Antifungals and Cell Wall Inhibitors. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	14
6	Functional heterogeneity of alveolar macrophage population based on expression of CXCL2. Science Immunology, 2020, 5, .	11.9	39
7	The Protein Kinase A-Dependent Phosphoproteome of the Human Pathogen Aspergillus fumigatus Reveals Diverse Virulence-Associated Kinase Targets. MBio, 2020, 11, .	4.1	3
8	FKBP12 dimerization mutations effect FK506 binding and differentially alter calcineurin inhibition in the human pathogen Aspergillus fumigatus. Biochemical and Biophysical Research Communications, 2020, 526, 48-54.	2.1	5
9	The class V myosin interactome of the human pathogen Aspergillus fumigatus reveals novel interactions with COPII vesicle transport proteins. Biochemical and Biophysical Research Communications, 2020, 527, 232-237.	2.1	5
10	1614. Gwt1 Inhibitor, APX2104, Protects Against Invasive Aspergillosis in Neutropenic Mouse Model. Open Forum Infectious Diseases, 2020, 7, S800-S801.	0.9	0
11	Harnessing calcineurin-FK506-FKBP12 crystal structures from invasive fungal pathogens to develop antifungal agents. Nature Communications, 2019, 10, 4275.	12.8	80
12	Calcineurinâ€dependent dephosphorylation of the transcription factor CrzA at specific sites controls conidiation, stress tolerance, and virulence of Aspergillus fumigatus. Molecular Microbiology, 2019, 112, 62-80.	2.5	17
13	Tail domain of the Aspergillus fumigatus class V myosin orchestrates septal localization and hyphal growth. Journal of Cell Science, 2018, 131, .	2.0	5
14	Scanning Quadrupole Data-Independent Acquisition, Part B: Application to the Analysis of the Calcineurin-Interacting Proteins during Treatment of Aspergillus fumigatus with Azole and Echinocandin Antifungal Drugs. Journal of Proteome Research, 2018, 17, 780-793.	3.7	17
15	Scanning Quadrupole Data-Independent Acquisition, Part A: Qualitative and Quantitative Characterization. Journal of Proteome Research, 2018, 17, 770-779.	3.7	62
16	Kin1 kinase localizes at the hyphal septum and is dephosphorylated by calcineurin but is dispensable for septation and virulence in the human pathogen Aspergillus fumigatus. Biochemical and Biophysical Research Communications, 2018, 505, 740-746.	2.1	6
17	Calcineurin in fungal virulence and drug resistance: Prospects for harnessing targeted inhibition of calcineurin for an antifungal therapeutic approach. Virulence, 2017, 8, 186-197.	4.4	130
18	Caspofungin exposure alters the core septin AspB interactome of Aspergillus fumigatus. Biochemical and Biophysical Research Communications, 2017, 485, 221-226.	2.1	5

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19	A Novel Phosphoregulatory Switch Controls the Activity and Function of the Major Catalytic Subunit of Protein Kinase A in Aspergillus fumigatus. MBio, 2017, 8, .	4.1	9
20	Balancing iron and calcium: Flavin carrier family proteins in Aspergillus fumigatus virulence. Virulence, 2017, 8, 621-624.	4.4	1
21	Phosphorylation of Aspergillus fumigatus PkaR impacts growth and cell wall integrity through novel mechanisms. FEBS Letters, 2017, 591, 3730-3744.	2.8	5
22	Caspofungin-Mediated Growth Inhibition and Paradoxical Growth in Aspergillus fumigatus Involve Fungicidal Hyphal Tip Lysis Coupled with Regenerative Intrahyphal Growth and Dynamic Changes in Î²-1,3-Glucan Synthase Localization. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	49
23	Editorial: Advances in Aspergillus fumigatus Pathobiology. Frontiers in Microbiology, 2016, 7, 43.	3.5	5
24	Dephosphorylation of the Core Septin, AspB, in a Protein Phosphatase 2A-Dependent Manner Impacts Its Localization and Function in the Fungal Pathogen Aspergillus fumigatus. Frontiers in Microbiology, 2016, 7, 997.	3.5	17
25	Structures of Pathogenic Fungal FKBP12s Reveal Possible Self-Catalysis Function. MBio, 2016, 7, e00492-16.	4.1	29
26	Novel motif in calcineurin catalytic subunit is required for septal localization of calcineurin in AspergillusÂfumigatus. FEBS Letters, 2016, 590, 501-508.	2.8	9
27	Distinct Roles of Myosins in Aspergillus fumigatus Hyphal Growth and Pathogenesis. Infection and Immunity, 2016, 84, 1556-1564.	2.2	29
28	Forging the ring: from fungal septins' divergent roles in morphology, septation and virulence to factors contributing to their assembly into higher order structures. Microbiology (United Kingdom), 2016, 162, 1527-1534.	1.8	5
29	Calcineurin Orchestrates Hyphal Growth, Septation, Drug Resistance and Pathogenesis of Aspergillus fumigatus: Where Do We Go from Here?. Pathogens, 2015, 4, 883-893.	2.8	24
30	Characterization of the FKBP12-Encoding Genes in Aspergillus fumigatus. PLoS ONE, 2015, 10, e0137869.	2.5	20
31	Hsp70 and the Cochaperone StiA (Hop) Orchestrate Hsp90-Mediated Caspofungin Tolerance in Aspergillus fumigatus. Antimicrobial Agents and Chemotherapy, 2015, 59, 4727-4733.	3.2	25
32	Potential Microbiological Effects of Higher Dosing of Echinocandins. Clinical Infectious Diseases, 2015, 61, S669-S677.	5.8	53
33	Antifungal activity of compounds targeting the Hsp90-calcineurin pathway against various mould species. Journal of Antimicrobial Chemotherapy, 2015, 70, 1408-1411.	3.0	37
34	Identification and mutational analyses of phosphorylation sites of the calcineurin-binding protein CbpA and the identification of domains required for calcineurin binding in Aspergillus fumigatus. Frontiers in Microbiology, 2015, 6, 175.	3.5	14
35	The Aspergillus fumigatus septins play pleiotropic roles in septation, conidiation, and cell wall stress, but are dispensable for virulence. Fungal Genetics and Biology, 2015, 81, 41-51.	2.1	35
36	Calcium-Mediated Induction of Paradoxical Growth following Caspofungin Treatment Is Associated with Calcineurin Activation and Phosphorylation in Aspergillus fumigatus. Antimicrobial Agents and Chemotherapy, 2015, 59, 4946-4955.	3.2	39

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37	Histone deacetylase inhibition as an alternative strategy against invasive aspergillosis. Frontiers in Microbiology, 2015, 6, 96.	3.5	61
38	Aspergillus fumigatus and Related Species. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a019786-a019786.	6.2	180
39	Heat Shock Protein 90 (Hsp90) in Fungal Growth and Pathogenesis. Current Fungal Infection Reports, 2014, 8, 296-301.	2.6	8
40	Calcineurin-Mediated Regulation of Hyphal Growth, Septation, and Virulence in Aspergillus fumigatus. Mycopathologia, 2014, 178, 341-348.	3.1	35
41	Transcriptional Activation of Heat Shock Protein 90 Mediated Via a Proximal Promoter Region as Trigger of Caspofungin Resistance in Aspergillus fumigatus. Journal of Infectious Diseases, 2014, 209, 473-481.	4.0	57
42	Identification of a Key Lysine Residue in Heat Shock Protein 90 Required for Azole and Echinocandin Resistance in Aspergillus fumigatus. Antimicrobial Agents and Chemotherapy, 2014, 58, 1889-1896.	3.2	68
43	Heat shock protein 90 (Hsp90): A novel antifungal target againstAspergillus fumigatus. Critical Reviews in Microbiology, 2014, 42, 1-12.	6.1	52
44	Calcineurin as a multifunctional regulator: Unraveling novel functions in fungal stress responses, hyphal growth, drug resistance, and pathogenesis. Fungal Biology Reviews, 2014, 28, 56-69.	4.7	113
45	Filamentous fungal-specific septin AspE is phosphorylated in vivo and interacts with actin, tubulin and other septins in the human pathogen Aspergillus fumigatus. Biochemical and Biophysical Research Communications, 2013, 431, 547-553.	2.1	22
46	Phosphorylation of Calcineurin at a Novel Serine-Proline Rich Region Orchestrates Hyphal Growth and Virulence in Aspergillus fumigatus. PLoS Pathogens, 2013, 9, e1003564.	4.7	60
47	In Vitro Activity of Calcineurin and Heat Shock Protein 90 Inhibitors against Aspergillus fumigatus Azole- and Echinocandin-Resistant Strains. Antimicrobial Agents and Chemotherapy, 2013, 57, 1035-1039.	3.2	74
48	Plasma Membrane Localization Is Required for RasA-Mediated Polarized Morphogenesis and Virulence of Aspergillus fumigatus. Eukaryotic Cell, 2012, 11, 966-977.	3.4	54
49	Heat Shock Protein 90 Is Required for Conidiation and Cell Wall Integrity in Aspergillus fumigatus. Eukaryotic Cell, 2012, 11, 1324-1332.	3.4	122
50	Regulation of expression, activity and localization of fungal chitin synthases. Medical Mycology, 2012, 50, 2-17.	0.7	41
51	Differential localization patterns of septins during growth of the human fungal pathogen Aspergillus fumigatus reveal novel functions. Biochemical and Biophysical Research Communications, 2011, 405, 238-243.	2.1	19
52	The chitin synthase genes chsA and chsC are not required for cell wall stress responses in the human pathogen Aspergillus fumigatus. Biochemical and Biophysical Research Communications, 2011, 411, 549-554.	2.1	21
53	Localization and activity of the calcineurin catalytic and regulatory subunit complex at the septum is essential for hyphal elongation and proper septation in Aspergillus fumigatus. Molecular Microbiology, 2011, 82, 1235-1259.	2.5	82
54	Regulatable Ras Activity Is Critical for Proper Establishment and Maintenance of Polarity in Aspergillus fumigatus. Eukaryotic Cell, 2011, 10, 611-615.	3.4	19

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55	Newer combination antifungal therapies for invasive aspergillosis. Medical Mycology, 2011, 49, S77-S81.	0.7	27
56	Identification of csypyrone B1 as the novel product of Aspergillus oryzae type III polyketide synthase CsyB. Bioorganic and Medicinal Chemistry, 2010, 18, 4542-4546.	3.0	53
57	Aspergillus oryzae type III polyketide synthase CsyA is involved in the biosynthesis of 3,5-dihydroxybenzoic acid. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 4785-4788.	2.2	40
58	Transcriptional Regulation of Chitin Synthases by Calcineurin Controls Paradoxical Growth of Aspergillus fumigatus in Response to Caspofungin. Antimicrobial Agents and Chemotherapy, 2010, 54, 1555-1563.	3.2	146
59	The Aspergillus fumigatus P-Type Golgi Apparatus Ca ²⁺ /Mn ²⁺ ATPase PmrA Is Involved in Cation Homeostasis and Cell Wall Integrity but Is Not Essential for Pathogenesis. Eukaryotic Cell, 2010, 9, 472-476.	3.4	41
60	Aspergillus fumigatus Calcipressin CbpA Is Involved in Hyphal Growth and Calcium Homeostasis. Eukaryotic Cell, 2009, 8, 511-519.	3.4	41
61	Differential Effects of Inhibiting Chitin and 1,3-Î²- <scp>d</scp> -Glucan Synthesis in Ras and Calcineurin Mutants of Aspergillus fumigatus. Antimicrobial Agents and Chemotherapy, 2009, 53, 476-482.	3.2	132
62	Disruption of the Ao pex11-1 Gene Involved in Peroxisome Proliferation Leads to Impaired Woronin Body Formation in Aspergillus oryzae. Eukaryotic Cell, 2009, 8, 296-305.	3.4	60
63	Functional expression of the Aspergillus flavus PKSâ€“NRPS hybrid CpaA involved in the biosynthesis of cyclopiazonic acid. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3288-3292.	2.2	50
64	Calcineurin Localizes to the Hyphal Septum in Aspergillus fumigatus : Implications for Septum Formation and Conidiophore Development. Eukaryotic Cell, 2008, 7, 1606-1610.	3.4	39
65	Genomics ofAspergillus oryzae. Bioscience, Biotechnology and Biochemistry, 2007, 71, 646-670.	1.3	163
66	Analysis of Expressed Sequence Tags from the Fungus Aspergillus oryzae Cultured Under Different Conditions. DNA Research, 2007, 14, 47-57.	3.4	73
67	Phosphorylation of the Aspergillus oryzae Woronin body protein, AoHex1, by protein kinase C: evidence for its role in the multimerization and proper localization of the Woronin body protein. Biochemical Journal, 2007, 405, 533-540.	3.7	23
68	Double disruption of the proteinase genes, tppA and pepE, increases the production level of human lysozyme by Aspergillus oryzae. Applied Microbiology and Biotechnology, 2007, 76, 1059-1068.	3.6	65
69	Putative Calmodulin-Binding Domains in Aflatoxin Biosynthesisâ€“Regulatory Proteins. Current Microbiology, 2006, 52, 493-496.	2.2	15
70	Identification and characterization of mutation in the RNase T1 expression-sensitive strain of : Evidence for altered ambient response resulting in transportation of the secretory protein to vacuoles. FEMS Yeast Research, 2005, 5, 801-812.	2.3	5
71	Genome sequencing and analysis of Aspergillus oryzae. Nature, 2005, 438, 1157-1161.	27.8	1,128
72	Development of a Modified Positive Selection Medium That Allows to IsolateAspergillus oryzaeStrains Cured of the IntegratedniaD-Based Plasmid. Bioscience, Biotechnology and Biochemistry, 2005, 69, 2463-2465.	1.3	11

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73	Visualizing Nuclear Migration during Conidiophore Development inAspergillus nidulansandAspergillus oryzae: Multinucleation of Conidia Occurs through Direct Migration of Plural Nuclei from Phialides and Confers Greater Viability and Early Germination inAspergillus oryzae. Bioscience, Biotechnology and Biochemistry, 2005, 69, 747-754.	1.3	21
74	Discovery of a novel superfamily of type III polyketide synthases in Aspergillus oryzae. Biochemical and Biophysical Research Communications, 2005, 331, 253-260.	2.1	104
75	Three-dimensional image analysis of plugging at the septal pore by Woronin body during hypotonic shock inducing hyphal tip bursting in the filamentous fungus Aspergillus oryzae. Biochemical and Biophysical Research Communications, 2005, 331, 1081-1088.	2.1	66
76	Genomic evidences for the existence of a phenylpropanoid metabolic pathway in Aspergillus oryzae. Biochemical and Biophysical Research Communications, 2005, 337, 747-751.	2.1	24
77	Development of a novel quadruple auxotrophic host transformation system byargBgene disruption usingadeAgene and exploiting adenine auxotrophy inAspergillus oryzae. FEMS Microbiology Letters, 2004, 239, 79-85.	1.8	172
78	Adenine Auxotrophic Mutants ofAspergillus oryzae: Development of a Novel Transformation System with Triple Auxotrophic Hosts. Bioscience, Biotechnology and Biochemistry, 2004, 68, 656-662.	1.3	72
79	Functional analysis of the calcineurin-encoding gene cnaA from Aspergillus oryzae: evidence for its putative role in stress adaptation. Archives of Microbiology, 2003, 179, 416-422.	2.2	41
80	Cloning and characterization ofvmaA, the gene encoding a 69-kDa catalytic subunit of the vacuolar H+-ATPase during alkaline pH mediated growth ofAspergillus oryzae. FEMS Microbiology Letters, 2002, 209, 277-282.	1.8	10
81	Cloning and sequence analysis ofcnaAgene encoding the catalytic subunit of calcineurin fromAspergillus oryzae. FEMS Microbiology Letters, 2001, 204, 169-174.	1.8	12
82	Calmodulin mediated activation of acetyl-CoA carboxylase during aflatoxin production by Aspergillus parasiticus. Letters in Applied Microbiology, 2000, 30, 277-281.	2.2	22
83	Requirement of Ca2+for aflatoxin production: inhibitory effect of Ca2+channel blockers on aflatoxin production byAspergillus parasiticusNRRL 2999. Letters in Applied Microbiology, 1999, 28, 85-88.	2.2	14
84	Calmodulin-dependent protein phosphorylation during conidial germination and growth of Neurospora crassa. Mycological Research, 1997, 101, 1484-1488.	2.5	14