Ashutosh Singh

List of Publications by Year
in descending order

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43 papers	1,310 citations	257450 24 h-index	361022 35 g-index
46 all docs	46 docs citations	46 times ranked	1574 citing authors

#	Article	IF	Citations
1	Identification of a New Class of Antifungals Targeting the Synthesis of Fungal Sphingolipids. MBio, 2015, 6, e00647.	4.1	124
2	Curcumin Targets Cell Wall Integrity via Calcineurin-Mediated Signaling in Candida albicans. Antimicrobial Agents and Chemotherapy, 2014, 58, 167-175.	3.2	78
3	Sphingolipids as targets for treatment of fungal infections. Future Medicinal Chemistry, 2016, 8, 1469-1484.	2.3	74
4	Analysis of sphingolipids, sterols, and phospholipids in human pathogenic Cryptococcus strains. Journal of Lipid Research, 2017, 58, 2017-2036.	4.2	64
5	Calcineurin Signaling and Membrane Lipid Homeostasis Regulates Iron Mediated MultiDrug Resistance Mechanisms in Candida albicans. PLoS ONE, 2011, 6, e18684.	2.5	62
6	Novel role of a family of major facilitator transporters in biofilm development and virulence of <i>Candida albicans</i>. Biochemical Journal, 2014, 460, 223-235.	3.7	62
7	Role of Sterylglucosidase 1 (Sgl1) on the pathogenicity of Cryptococcus neoformans: potential applications for vaccine development. Frontiers in Microbiology, 2015, 6, 836.	3.5	59
8	The yeast ABC transporter Pdr18 (ORF <i>YNR070w</i>) controls plasma membrane sterol composition, playing a role in multidrug resistance. Biochemical Journal, 2011, 440, 195-202.	3.7	53
9	Comparative Lipidomics in Clinical Isolates of Candida albicans Reveal Crosstalk between Mitochondria, Cell Wall Integrity and Azole Resistance. PLoS ONE, 2012, 7, e39812.	2.5	52
10	Sphingolipidomics: An Important Mechanistic Tool for Studying Fungal Pathogens. Frontiers in Microbiology, 2016, 7, 501.	3.5	50
11	Phospholipidome of<i>Candida</i>: Each Species of<i>Candida</i>Has Distinctive Phospholipid Molecular Species. OMICS A Journal of Integrative Biology, 2010, 14, 665-677.	2.0	46
12	The Role of Ceramide Synthases in the Pathogenicity of Cryptococcus neoformans. Cell Reports, 2018, 22, 1392-1400.	6.4	46
13	The effect of sterol structure upon clathrin-mediated and clathrin-independent endocytosis. Journal of Cell Science, 2017, 130, 2682-2695.	2.0	44
14	Azole resistance in a Candida albicans mutant lacking the ABC transporter CDR6/ROA1 depends on TOR signaling. Journal of Biological Chemistry, 2018, 293, 412-432.	3.4	42
15	Comparative Lipidomics of Azole Sensitive and Resistant Clinical Isolates of Candida albicans Reveals Unexpected Diversity in Molecular Lipid Imprints. PLoS ONE, 2011, 6, e19266.	2.5	40
16	<i>In Vitro</i>Effect of Malachite Green on Candida albicans Involves Multiple Pathways and Transcriptional Regulators<i>UPC2</i>and<i>STP2</i>. Antimicrobial Agents and Chemotherapy, 2012, 56, 495-506.	3.2	35
17	Functional characterization of the <scp><i>A</i></scp><i>spergillus nidulans</i> glucosylceramide pathway reveals that LCB Î"8â€desaturation and C9â€methylation are relevant to filamentous growth, lipid raft localization and <i>Ps</i>d1 defensin activity. Molecular Microbiology, 2016, 102, 488-505.	2.5	34
18	Changes in glucosylceramide structure affect virulence and membrane biophysical properties of Cryptococcus neoformans. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 2224-2233.	2.6	34

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19	The <i>Aspergillus fumigatus</i> SchA^{SCH9} kinase modulates SakA^{HOG1} MAP kinase activity and it is essential for virulence. Molecular Microbiology, 2016, 102, 642-671.	2.5	33
20	Lipids of Candida albicans and their role in multidrug resistance. Current Genetics, 2013, 59, 243-250.	1.7	30
21	A key structural domain of the <i>Candida albicans</i> Mdr1 protein. Biochemical Journal, 2012, 445, 313-322.	3.7	29
22	Pleiotropic effects of the vacuolar ABC transporter MLT1 of Candida albicans on cell function and virulence. Biochemical Journal, 2016, 473, 1537-1552.	3.7	28
23	Lipidomics and<i>in Vitro</i>Azole Resistance in<i>Candida albicans</i>. OMICS A Journal of Integrative Biology, 2013, 17, 84-93.	2.0	27
24	Inositol phosphosphingolipid phospholipase C1 regulates plasma membrane ATPase (Pma1) stability in <i>Cryptococcus neoformans</i>. FEBS Letters, 2014, 588, 3932-3938.	2.8	26
25	Glucosylceramide Administration as a Vaccination Strategy in Mouse Models of Cryptococcosis. PLoS ONE, 2016, 11, e0153853.	2.5	25
26	An Assessment of Growth Media Enrichment on Lipid Metabolome and the Concurrent Phenotypic Properties of Candida albicans. PLoS ONE, 2014, 9, e113664.	2.5	22
27	Sphingolipid biosynthetic pathway is crucial for growth, biofilm formation and membrane integrity of Scedosporium boydii. Future Medicinal Chemistry, 2019, 11, 2905-2917.	2.3	12
28	Sphingolipidomics of drug resistant Candida auris clinical isolates reveal distinct sphingolipid species signatures. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158815.	2.4	12
29	Cholesterol and sphingomyelin are critical for FcÎ³ receptorâ€“mediated phagocytosis of Cryptococcus neoformans by macrophages. Journal of Biological Chemistry, 2021, 297, 101411.	3.4	12
30	Lipidome analysis reveals antifungal polyphenol curcumin affects membrane lipid homeostasis. Frontiers in Bioscience - Elite, 2012, E4, 1195.	1.8	11
31	Paraquat treatment modulates integrin associated protein (CD47) and basigin (CD147) expression and mitochondrial potential on erythroid cells in mice. Environmental Toxicology and Pharmacology, 2018, 58, 37-44.	4.0	11
32	A detailed lipidomic study of human pathogenic fungi <i>Candida auris</i>. FEMS Yeast Research, 2020, 20, .	2.3	8
33	Qualitative and Quantitative Measurements of Sphingolipids by Mass Spectrometry. , 2015, , 313-338.		7
34	Splenectomy Modulates the Erythrocyte Turnover and Basigin (CD147) Expression in Mice. Indian Journal of Hematology and Blood Transfusion, 2020, 36, 711-718.	0.6	5
35	Inositol Phosphoryl Transferase, Ipt1, Is a Critical Determinant of Azole Resistance and Virulence Phenotypes in Candida glabrata. Journal of Fungi (Basel, Switzerland), 2022, 8, 651.	3.5	3
36	Mass Spectrometric Analysis of Bioactive Sphingolipids in Fungi. Methods in Molecular Biology, 2021, 2306, 239-255.	0.9	2

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37	Lipidomics Approaches: Applied to the Study of Pathogenesis in Candida Species. Progress in Molecular and Subcellular Biology, 2019, 58, 195-215.	1.6	1
38	Effects of Sterol Structure and Sterol Ability to form Ordered Membrane Domains upon Cellular Endocytosis. Biophysical Journal, 2016, 110, 595a.	0.5	0
39	Lipid Structure, Function, and Lipidomic Applications. , 2021, , 441-457.		0
40	Insights into Candida Lipids. , 2017, , 417-428.		0
41	Nanomaterial-Assisted Mass Spectrometry: An Evolving Cutting-Edge Technique. , 2020, , 453-464.		0
42	Analysis of Sterols by Gas Chromatographyâ€"Mass Spectrometry. Springer Protocols, 2020, , 83-101.	0.3	0
43	Background of Membrane Lipids. Springer Protocols, 2020, , 1-11.	0.3	0