Edward Sionov

List of Publications by Year
in descending order

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44 papers	2,666 citations	257450 24 h-index	265206 42 g-index
44 all docs	44 docs citations	44 times ranked	3188 citing authors

#	Article	IF	Citations
1	Recognition of seven species in the Cryptococcus gattii/Cryptococcus neoformans species complex. Fungal Genetics and Biology, 2015, 78, 16-48.	2.1	590
2	Cryptococcus neoformans Overcomes Stress of Azole Drugs by Formation of Disomy in Specific Multiple Chromosomes. PLoS Pathogens, 2010, 6, e1000848.	4.7	380
3	The fatal fungal outbreak on Vancouver Island is characterized by enhanced intracellular parasitism driven by mitochondrial regulation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12980-12985.	7.1	180
4	Heteroresistance to Fluconazole in Cryptococcus neoformans Is Intrinsic and Associated with Virulence. Antimicrobial Agents and Chemotherapy, 2009, 53, 2804-2815.	3.2	141
5	The Primary Target Organ of Cryptococcus gattii Is Different from That of Cryptococcus neoformans in a Murine Model. MBio, 2012, 3, .	4.1	123
6	Identification of a Cryptococcus neoformans Cytochrome P450 Lanosterol 14Î±-Demethylase (Erg11) Residue Critical for Differential Susceptibility between Fluconazole/Voriconazole and Itraconazole/Posaconazole. Antimicrobial Agents and Chemotherapy, 2012, 56, 1162-1169.	3.2	109
7	Azole Heteroresistance in Cryptococcus neoformans: Emergence of Resistant Clones with Chromosomal Disomy in the Mouse Brain during Fluconazole Treatment. Antimicrobial Agents and Chemotherapy, 2013, 57, 5127-5130.	3.2	90
8	Prevalence of the VNIc genotype of Cryptococcus neoformansâ€ƒ in non-HIV-associated cryptococcosis in the Republic of Korea. FEMS Yeast Research, 2010, 10, 769-778.	2.3	87
9	Rapid Detection and Identification of Mycotoxigenic Fungi and Mycotoxins in Stored Wheat Grain. Toxins, 2017, 9, 302.	3.4	74
10	Induced production of antifungal naphthoquinones in the pitchers of the carnivorous plant Nepenthes khasiana. Journal of Experimental Botany, 2010, 61, 911-922.	4.8	73
11	Fungal attack and host defence pathways unveiled in nearâ€avirulent interactions of Penicillium expansum creA mutants on apples. Molecular Plant Pathology, 2018, 19, 2635-2650.	4.2	66
12	Role of patulin in post-harvest diseases. Fungal Biology Reviews, 2016, 30, 24-32.	4.7	58
13	Toxicity Mechanisms of Amphotericin B and Its Neutralization by Conjugation with Arabinogalactan. Antimicrobial Agents and Chemotherapy, 2012, 56, 5603-5611.	3.2	56
14	Experimental systemic murine aspergillosis: treatment with polyene and caspofungin combination and G-CSF. Journal of Antimicrobial Chemotherapy, 2005, 56, 594-597.	3.0	52
15	Efficacy of amphotericin B or amphotericin Bâ€“intralipid in combination with caspofungin against experimental aspergillosis. Journal of Infection, 2006, 53, 131-139.	3.3	52
16	Roles of Three Cryptococcus neoformans and Cryptococcus gattii Efflux Pump-Coding Genes in Response to Drug Treatment. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	43
17	Shifts in the Composition of the Microbiota of Stored Wheat Grains in Response to Fumigation. Frontiers in Microbiology, 2019, 10, 1098.	3.5	43
18	Antifungal effect and possible mode of activity of a compound from the marine sponge Dysidea herbacea. Journal of Infection, 2005, 50, 453-460.	3.3	40

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19	Apple Intrinsic Factors Modulating the Global Regulator, LaeA, the Patulin Gene Cluster and Patulin Accumulation During Fruit Colonization by Penicillium expansum. Frontiers in Plant Science, 2018, 9, 1094.	3.6	35
20	New Insight Into Pathogenicity and Secondary Metabolism of the Plant Pathogen Penicillium expansum Through Deletion of the Epigenetic Reader SntB. Frontiers in Microbiology, 2020, 11, 610.	3.5	35
21	Anti-Candida albicans biofilm effect of novel heterocyclic compounds. Journal of Antimicrobial Chemotherapy, 2014, 69, 416-427.	3.0	33
22	The pH-Responsive Transcription Factor PacC Governs Pathogenicity and Ochratoxin A Biosynthesis in Aspergillus carbonarius. Frontiers in Microbiology, 2020, 11, 210.	3.5	32
23	Type I IFN Induction via Poly-ICLC Protects Mice against Cryptococcosis. PLoS Pathogens, 2015, 11, e1005040.	4.7	28
24	Activity, Reduced Toxicity, and Scale-Up Synthesis of Amphotericin B-Conjugated Polysaccharide. Biomacromolecules, 2014, 15, 2079-2089.	5.4	25
25	Benzothiadiazole treatment inhibits membrane lipid metabolism and straight-chain volatile compound release in Penicillium expansum-inoculated apple fruit. Postharvest Biology and Technology, 2021, 181, 111671.	6.0	24
26	Synthesis and Antifungal Activity of a Novel Series of Alkyldimethylamine Cyanoboranes and Their Derivatives. Journal of Medicinal Chemistry, 2006, 49, 4879-4885.	6.4	21
27	Synergistic Inhibition of Mycotoxigenic Fungi and Mycotoxin Production by Combination of Pomegranate Peel Extract and Azole Fungicide. Frontiers in Microbiology, 2019, 10, 1919.	3.5	21
28	Functional roles of LaeA, polyketide synthase, and glucose oxidase in the regulation of ochratoxin A biosynthesis and virulence in Aspergillus carbonarius. Molecular Plant Pathology, 2021, 22, 117-129.	4.2	18
29	Polyene and cytokine treatment of experimental aspergillosis. FEMS Immunology and Medical Microbiology, 2003, 39, 221-227.	2.7	17
30	Does the Host Contribute to Modulation of Mycotoxin Production by Fruit Pathogens?. Toxins, 2017, 9, 280.	3.4	13
31	Galactomannanâ€“amphotericin B conjugate: synthesis and biological activity. Polymers for Advanced Technologies, 2011, 22, 119-125.	3.2	12
32	The Effect of Environmental pH during Trichothecium roseum (Pers.:Fr.) Link Inoculation of Apple Fruits on the Host Differential Reactive Oxygen Species Metabolism. Antioxidants, 2021, 10, 692.	5.1	12
33	Identification and Toxigenic Potential of Fungi Isolated from Capsicum Peppers. Microorganisms, 2019, 7, 303.	3.6	11
34	Pulmonary Iron Limitation Induced by Exogenous Type I IFN Protects Mice from Cryptococcus gattii Independently of T Cells. MBio, 2019, 10, .	4.1	11
35	Rapid Detection and Quantification of Patulin and Citrinin Contamination in Fruits. Molecules, 2021, 26, 4545.	3.8	11
36	NADPH Oxidase Regulates the Growth and Pathogenicity of Penicillium expansum. Frontiers in Plant Science, 2021, 12, 696210.	3.6	11

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37	Treatment of murine systemic aspergillosis with polyene-intralipid admixtures. Medical Mycology, 2004, 42, 73-80.	0.7	11
38	Fungi in sands of Mediterranean Sea beaches of Israelâ€"Potential relevance to human health and wellâ€being. Mycoses, 2020, 63, 1255-1261.	4.0	8
39	Penicillium expansum â€“ Induced release of branched-chain volatile compounds in apple fruit by increasing amino acids accumulation. Postharvest Biology and Technology, 2021, 173, 111432.	6.0	8
40	Analysis of Stored Wheat Grain-Associated Microbiota Reveals Biocontrol Activity among Microorganisms against Mycotoxigenic Fungi. Journal of Fungi (Basel, Switzerland), 2021, 7, 781.	3.5	8
41	The Wheat Microbiome in Relation to Mycotoxin Occurrence in Stored Grain: An Overview. Plant Pathology in the 21st Century, 2021, , 129-139.	0.9	2
42	Host Factors Modulating Ochratoxin A Biosynthesis during Fruit Colonization by Aspergillus carbonarius. Journal of Fungi (Basel, Switzerland), 2021, 7, 10.	3.5	2
43	Nutritional factors modulating plant and fruit susceptibility to pathogens: BARD workshop, Haifa, Israel, February 25â€"26, 2018. Phytoparasitica, 2020, 48, 317-333.	1.2	0
44	Special Issue â€œInterplay between Fungal Pathogens and Harvested Crops and Fruitsâ€• Microorganisms, 2021, 9, 553.	3.6	0