

Daniel J Royse

List of Publications by Year in descending order

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53
papers

1,966
citations

201674

27
h-index

254184

43
g-index

54
all docs

54
docs citations

54
times ranked

1361
citing authors

#	ARTICLE	IF	CITATIONS
1	A systematic assessment of <i>Morchella</i> using RFLP analysis of the 28S ribosomal RNA gene. <i>Mycologia</i> , 1994, 86, 762-772.	1.9	134
2	Identification and Quantification of Ergothioneine in Cultivated Mushrooms by Liquid Chromatography-Mass Spectroscopy. <i>International Journal of Medicinal Mushrooms</i> , 2006, 8, 215-222.	1.5	121
3	Use of Isozyme Variation to Identify Genotypic Classes of <i>Agaricus Brunnescens</i> . <i>Mycologia</i> , 1982, 74, 93-102.	1.9	101
4	A Systematic Assessment of <i>Morchella</i> Using RFLP Analysis of the 28S ribosomal RNA gene. <i>Mycologia</i> , 1994, 86, 762.	1.9	79
5	Transcriptional regulation of laccase and cellulase genes during growth and fruiting of <i>Lentinula edodes</i> on supplemented sawdust. <i>FEMS Microbiology Letters</i> , 2001, 201, 111-115.	1.8	75
6	Bioactive Components in Button Mushroom <i>Agaricus bisporus</i> (J. Lge) Imbach (Agaricomycetidae) of Nutritional, Medicinal, and Biological Importance (Review). <i>International Journal of Medicinal Mushrooms</i> , 2003, 5, 18.	1.5	67
7	Effect of Spawn Run Time and Substrate Nutrition on Yield and Size of the Shiitake Mushroom. <i>Mycologia</i> , 1985, 77, 756-762.	1.9	65
8	Partial β -tubulin gene sequences for evolutionary studies in the Basidiomycotina. <i>Mycologia</i> , 1999, 91, 468-474.	1.9	63
9	Molecular evolution of <i>Agaricus</i> species based on ITS and LSU rDNA sequences. <i>Mycological Progress</i> , 2004, 3, 157-176.	1.4	59
10	Use of Isozyme Variation to Identify Genotypic Classes of <i>Agaricus brunnescens</i> . <i>Mycologia</i> , 1982, 74, 93.	1.9	55
11	Biodegradation of cell wall components of maize stover colonized by white-rot fungi and resulting impact on in-vitro digestibility. <i>Journal of the Science of Food and Agriculture</i> , 1995, 68, 91-98.	3.5	52
12	Improvement of yield of <i>Pleurotus eryngii</i> var. <i>eryngii</i> by substrate supplementation and use of a casing overlay. <i>Bioresource Technology</i> , 2009, 100, 5270-5276.	9.6	50
13	Partial beta-Tubulin Gene Sequences for Evolutionary Studies in the Basidiomycotina. <i>Mycologia</i> , 1999, 91, 468.	1.9	49
14	Chemical composition and biodegradability of crop residues colonized by white-rot fungi. <i>Journal of the Science of Food and Agriculture</i> , 1992, 60, 105-112.	3.5	48
15	Ground wheat straw as a substitute for portions of oak wood chips used in shiitake (<i>Lentinula</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 10	9.6	48
16	Confirmation of crosses between lines of <i>Agaricus brunnescens</i> by isozyme analysis. <i>Experimental Mycology</i> , 1982, 6, 283-292.	1.6	44
17	Influence of precipitated calcium carbonate (CaCO ₃) on shiitake (<i>Lentinula edodes</i>) yield and mushroom size. <i>Bioresource Technology</i> , 2003, 90, 225-228.	9.6	42
18	Genetic Relatedness and its Application in Selective Breeding of <i>Agaricus Brunnescens</i> . <i>Mycologia</i> , 1982, 74, 569-575.	1.9	40

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19	Genetic variation and joint segregation of biochemical loci in the common meadow mushroom, <i>Agaricus campestris</i> . <i>Biochemical Genetics</i> , 1982, 20, 1165-1173.	1.7	38
20	Enhancement of the antioxidants ergothioneine and selenium in <i>Pleurotus eryngii</i> var. <i>eryngii</i> basidiomata through cultural practices. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 1597-1607.	3.6	37
21	<i>Pleurotus eryngii</i> species complex: Sequence analysis and phylogeny based on partial EF1 α and RPB2 genes. <i>Fungal Biology</i> , 2010, 114, 421-428.	2.5	37
22	Influence of substrate wood-chip particle size on shiitake (<i>Lentinula edodes</i>) yield. <i>Bioresource Technology</i> , 2001, 76, 229-233.	9.6	35
23	Shiitake Mushrooms Consumption, Production and Cultivation. <i>Interdisciplinary Science Reviews</i> , 1985, 10, 329-335.	1.4	34
24	Effect of Spawn Run Time and Substrate Nutrition on Yield and Size of the Shiitake Mushroom. <i>Mycologia</i> , 1985, 77, 756.	1.9	33
25	Shiitake Cultivation on Sawdust: Evaluation of Selected Genotypes for Biological Efficiency and Mushroom Size. <i>Mycologia</i> , 1986, 78, 929-933.	1.9	30
26	Molecular phylogenetic analysis of <i>Grifola frondosa</i> (maitake) reveals a species partition separating eastern North American and Asian isolates. <i>Mycologia</i> , 2002, 94, 472-482.	1.9	30
27	Influence of Selected Cultural Factors and Postharvest Storage on Ergothioneine Content of Common Button Mushroom <i>Agaricus bisporus</i> (J. Lge) Imbach (Agaricomycetidae). <i>International Journal of Medicinal Mushrooms</i> , 2007, 9, 163-176.	1.5	29
28	Phylogeny of the Genus <i>Agaricus</i> Inferred from Restriction Analysis of Enzymatically Amplified Ribosomal DNA. <i>Fungal Genetics and Biology</i> , 1996, 20, 243-253.	2.1	28
29	Cell line authentication and genetic relatedness of lines of the shiitake mushroom, <i>Lentinus edodes</i> . <i>Journal of General and Applied Microbiology</i> , 1983, 29, 205-216.	0.7	25
30	Mushrooms Their Consumption, Production and Culture Development. <i>Interdisciplinary Science Reviews</i> , 1980, 5, 324-332.	1.4	24
31	Genetic Relatedness and Its Application in Selective Breeding of <i>Agaricus brunnescens</i> . <i>Mycologia</i> , 1982, 74, 569.	1.9	23
32	Ribosomal DNA analysis for resolution of genotypic classes of <i>Pleurotus</i> . <i>Mycological Research</i> , 1996, 100, 143-150.	2.5	23
33	Phylogenetic Resolution of <i>Morchella</i> , <i>Verpa</i> , and <i>Disciotis</i> [Pezizales: Morchellaceae] Based on Restriction Enzyme Analysis of the 28S Ribosomal RNA Gene. <i>Experimental Mycology</i> , 1995, 19, 223-233.	1.6	22
34	Re-supplementing and re-casing mushroom (<i>Agaricus bisporus</i>) compost for a second crop. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 319-325.	3.6	22
35	Effects of spawn, supplement and phase II compost additions and time of re-casing second break compost on mushroom (<i>Agaricus bisporus</i>) yield and biological efficiency. <i>Bioresource Technology</i> , 2009, 100, 5277-5282.	9.6	21
36	Effects of fragmentation, supplementation and the addition of phase II compost to 2nd break compost on mushroom (<i>Agaricus bisporus</i>) yield. <i>Bioresource Technology</i> , 2010, 101, 188-192.	9.6	21

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37	Single and joint segregation of marker loci in the shiitake mushroom, <i>Lentinus edodes</i> . Journal of General and Applied Microbiology, 1983, 29, 217-222.	0.7	21
38	Interspecific allozyme variation among <i>Morchella</i> spp. and its inferences for systematics within the genus. Biochemical Systematics and Ecology, 1990, 18, 475-479.	1.3	20
39	Characterization of Phytase Activity from Cultivated Edible Mushrooms and Their Production Substrates. Journal of Agricultural and Food Chemistry, 2004, 52, 7518-7524.	5.2	20
40	Identification of shiitake genotypes by multilocus enzyme electrophoresis: Catalog of lines. Biochemical Genetics, 1987, 25, 705-716.	1.7	19
41	Interspecific allozyme variation within the fungal genus <i>Pleurotus</i> . Transactions of the British Mycological Society, 1988, 90, 29-36.	0.6	19
42	Phylogeny of the genus <i>Lentinula</i> based on ribosomal DNA restriction fragment length polymorphism analysis. Mycologia, 1997, 89, 400-407.	1.9	19
43	Yield and size of <i>Pleurotus ostreatus</i> and <i>Pleurotus sajor-caju</i> as effected by delayed-release nutrient. Applied Microbiology and Biotechnology, 1987, 26, 191-194.	3.6	18
44	Effect of Nutrient Supplementation on Flavor, Quality, and Shelf Life of the Cultivated Mushroom, <i>Agaricus Bisporus</i> . Mycologia, 1991, 83, 142-149.	1.9	17
45	Adapting substrate formulas used for shiitake for production of brown <i>Agaricus bisporus</i> . Bioresource Technology, 2001, 77, 65-69.	9.6	17
46	Selenium Enrichment of <i>Pleurotus cornucopiae</i> (Paulet) Rolland and <i>Grifola frondosa</i> (Dicks.:Fr.) S.F. Gray Mushrooms. International Journal of Medicinal Mushrooms, 2006, 8, 77-84.	1.5	16
47	Evidence for Two Independent Lineages of Shiitake of the Americas (<i>Lentinula boryana</i>) Based on rDNA and β -Tubulin Gene Sequences. Molecular Phylogenetics and Evolution, 1999, 13, 520-524.	2.7	15
48	Shiitake Cultivation on Sawdust: Evaluation of Selected Genotypes for Biological Efficiency and Mushroom Size. Mycologia, 1986, 78, 929.	1.9	14
49	Biodegradability of Free Monomeric and Cell-Wall-Bound Phenolic Acids in Maize Stover by Two Strains of White-Rot Fungi. Journal of the Science of Food and Agriculture, 1996, 71, 145-150.	3.5	13
50	Yield, size, and mushroom solids content of <i>Agaricus bisporus</i> produced on non-composted substrate and spent mushroom compost. World Journal of Microbiology and Biotechnology, 2007, 23, 1289-1296.	3.6	12
51	Phylogeny of the Genus <i>Lentinula</i> Based on Ribosomal DNA Restriction Fragment Length Polymorphism Analysis. Mycologia, 1997, 89, 400.	1.9	6
52	Linkage relationships of 19 allozyme encoding loci within the commercial mushroom genus <i>Pleurotus</i> . Genome, 1988, 30, 888-895.	2.0	5
53	Transcriptional regulation of laccase and cellulase genes during growth and fruiting of <i>Lentinula edodes</i> on supplemented sawdust. FEMS Microbiology Letters, 2001, 201, 111-115.	1.8	4