

Tim Dumonceaux

List of Publications by Year in descending order

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94
papers

2,765
citations

201385

27
h-index

197535

49
g-index

99
all docs

99
docs citations

99
times ranked

3432
citing authors

#	ARTICLE	IF	CITATIONS
1	The homeobox gene <i>BREVIPEDICELLUS</i> is a key regulator of inflorescence architecture in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4730-4735.	3.3	247
2	Characterization of Intestinal Microbiota and Response to Dietary Virginiamycin Supplementation in the Broiler Chicken. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2815-2823.	1.4	177
3	Simultaneous profiling of seed-associated bacteria and fungi reveals antagonistic interactions between microorganisms within a shared epiphytic microbiome on <i>Triticum</i> and <i>B. rassica</i> seeds. <i>New Phytologist</i> , 2014, 202, 542-553.	3.5	149
4	The vaginal microbiome of pregnant women is less rich and diverse, with lower prevalence of Mollicutes, compared to non-pregnant women. <i>Scientific Reports</i> , 2017, 7, 9212.	1.6	136
5	The Chaperonin-60 Universal Target Is a Barcode for Bacteria That Enables De Novo Assembly of Metagenomic Sequence Data. <i>PLoS ONE</i> , 2012, 7, e49755.	1.1	130
6	Pyrosequencing of the Chaperonin-60 Universal Target as a Tool for Determining Microbial Community Composition. <i>Applied and Environmental Microbiology</i> , 2009, 75, 2889-2898.	1.4	102
7	Comparison of Ileum Microflora of Pigs Fed Corn-, Wheat-, or Barley-Based Diets by Chaperonin-60 Sequencing and Quantitative PCR. <i>Applied and Environmental Microbiology</i> , 2005, 71, 867-875.	1.4	89
8	Detection of polyoma and corona viruses in bats of Canada. <i>Journal of General Virology</i> , 2009, 90, 2015-2022.	1.3	80
9	Cellobiose dehydrogenase is essential for wood invasion and nonessential for kraft pulp delignification by <i>Trametes versicolor</i> . <i>Enzyme and Microbial Technology</i> , 2001, 29, 478-489.	1.6	74
10	Male gametophyte development in bread wheat (<i>Triticum aestivum</i> L.): molecular, cellular, and biochemical analyses of a sporophytic contribution to pollen wall ontogeny. <i>Plant Journal</i> , 2002, 30, 613-623.	2.8	74
11	Molecular Definition of Vaginal Microbiota in East African Commercial Sex Workers. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4066-4074.	1.4	71
12	Purification and Characterization of Cellobiose Dehydrogenases from the White Rot Fungus <i>Trametes versicolor</i> . <i>Applied and Environmental Microbiology</i> , 1996, 62, 4417-4427.	1.4	70
13	Molecular characterization of anaerobic digester microbial communities identifies microorganisms that correlate to reactor performance. <i>Bioresource Technology</i> , 2014, 151, 249-257.	4.8	66
14	The underestimated diversity of phytoplasmas in Latin America. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 492-513.	0.8	64
15	Enumeration of specific bacterial populations in complex intestinal communities using quantitative PCR based on the chaperonin-60 target. <i>Journal of Microbiological Methods</i> , 2006, 64, 46-62.	0.7	61
16	Pretreatment and fractionation of barley straw using steam explosion at low severity factor. <i>Biomass and Bioenergy</i> , 2014, 66, 286-300.	2.9	59
17	Cloning and analysis of <i>Pycnoporus cinnabarinus</i> cellobiose dehydrogenase. <i>Gene</i> , 1999, 234, 23-33.	1.0	52
18	Multiplex Detection of Bacteria Associated with Normal Microbiota and with Bacterial Vaginosis in Vaginal Swabs by Use of Oligonucleotide-Coupled Fluorescent Microspheres. <i>Journal of Clinical Microbiology</i> , 2009, 47, 4067-4077.	1.8	52

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19	Production and Characterization of <i>Trametes versicolor</i> Mutants Unable To Bleach Hardwood Kraft Pulp. <i>Applied and Environmental Microbiology</i> , 1995, 61, 3687-3694.	1.4	51
20	Cloning and sequencing of a gene encoding cellobiose dehydrogenase from <i>Trametes versicolor</i> . <i>Gene</i> , 1998, 210, 211-219.	1.0	49
21	Optimization of biological pretreatment to enhance the quality of wheat straw pellets. <i>Biomass and Bioenergy</i> , 2017, 97, 77-89.	2.9	49
22	Biological pretreatment with a cellobiose dehydrogenase-deficient strain of <i>Trametes versicolor</i> enhances the biofuel potential of canola straw. <i>Bioresource Technology</i> , 2011, 102, 10020-10027.	4.8	45
23	Laboratory-scale bioaugmentation relieves acetate accumulation and stimulates methane production in stalled anaerobic digesters. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1009-1017.	1.7	45
24	Molecular Diagnostic Tools for Detection and Differentiation of Phytoplasmas Based on Chaperonin-60 Reveal Differences in Host Plant Infection Patterns. <i>PLoS ONE</i> , 2014, 9, e116039.	1.1	43
25	Predicting relatedness of bacterial genomes using the chaperonin-60 universal target (cpn60 UT): Application to <i>Thermoanaerobacter</i> species. <i>Systematic and Applied Microbiology</i> , 2011, 34, 171-179.	1.2	40
26	Microwave-Assisted Alkali Pre-Treatment, Densification and Enzymatic Saccharification of Canola Straw and Oat Hull. <i>Bioengineering</i> , 2017, 4, 25.	1.6	35
27	Maize bushy stunt phytoplasma affects native corn at high elevations in Southeast Mexico. <i>European Journal of Plant Pathology</i> , 2016, 145, 963-971.	0.8	34
28	Molecular characterization of microbial communities in Canadian pulp and paper activated sludge and quantification of a novel <i>Thiothrix eikelboomii</i> -like bulking filament. <i>Canadian Journal of Microbiology</i> , 2006, 52, 494-500.	0.8	30
29	Effect of alkaline pretreatment on chemical composition of lignocellulosic biomass using radio frequency heating. <i>Biosystems Engineering</i> , 2013, 116, 385-398.	1.9	29
30	Internally Controlled Triplex Quantitative PCR Assay for Human Polyomaviruses JC and BK. <i>Journal of Clinical Microbiology</i> , 2008, 46, 2829-2836.	1.8	25
31	Genetic transformation of <i>Trametes versicolor</i> to phleomycin resistance with the dominant selectable marker <i>shble</i> . <i>Applied Microbiology and Biotechnology</i> , 2001, 56, 201-204.	1.7	23
32	Pyrosequencing of Chaperonin-60 (cpn60) Amplicons as a Means of Determining Microbial Community Composition. <i>Methods in Molecular Biology</i> , 2011, 733, 143-158.	0.4	23
33	Anthocyanin accumulation in the hypocotyl of an ABA-over producing male-sterile tomato (<i>Lycopersicon esculentum</i>) mutant. <i>Physiologia Plantarum</i> , 2006, 127, 681-689.	2.6	22
34	Molecular diagnostic assays based on cpn60 UT sequences reveal the geographic distribution of subgroup 16SrXIII-(A/I)I phytoplasma in Mexico. <i>Scientific Reports</i> , 2017, 7, 950.	1.6	22
35	Comparison of techniques for estimation of resting spores of <i>Plasmodiophora brassicae</i> in soil. <i>Plant Pathology</i> , 2019, 68, 954-961.	1.2	22
36	Microbial community composition is consistent across anaerobic digesters processing wheat-based fuel ethanol waste streams. <i>Bioresource Technology</i> , 2014, 157, 127-133.	4.8	19

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37	Phytoplasma classification and phylogeny based on in silico and in vitro RFLP analysis of cpn60 universal target sequences. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 5600-5613.	0.8	19
38	Quantification of <i>Plasmodiophora brassicae</i> Resting Spores in Soils Using Droplet Digital PCR (ddPCR). Plant Disease, 2020, 104, 1188-1194.	0.7	19
39	Selection, Phenotyping and Identification of Acid and Hydrogen Peroxide Producing Bacteria from Vaginal Samples of Canadian and East African Women. PLoS ONE, 2012, 7, e41217.	1.1	19
40	Detection and identification of the heterogeneous novel subgroup 16SrXIII-(A/I)I phytoplasma associated with strawberry green petal disease and Mexican periwinkle virescence. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4406-4415.	0.8	18
41	Isolates of <i>Thermoanaerobacter thermohydrosulfuricus</i> from decaying wood compost display genetic and phenotypic microdiversity. FEMS Microbiology Ecology, 2011, 78, 473-487.	1.3	17
42	The effect of hen-egg antibodies on <i>Clostridium perfringens</i> colonization in the gastrointestinal tract of broiler chickens. Preventive Veterinary Medicine, 2006, 74, 279-292.	0.7	16
43	Pretreatment of Hardwood and <i>Miscanthus</i> with <i>Trametes versicolor</i> for Bioenergy Conversion and Densification Strategies. Applied Biochemistry and Biotechnology, 2017, 183, 1401-1413.	1.4	16
44	Genome Sequence of a Plant-Pathogenic Bacterium, <i>Candidatus Phytoplasma asteris</i> Strain TW1. Microbiology Resource Announcements, 2018, 7, .	0.3	16
45	Chemical characterization and in vitro fermentation of <i>Brassica</i> straw treated with the aerobic fungus, <i>Trametes versicolor</i> . Canadian Journal of Animal Science, 2011, 91, 695-702.	0.7	13
46	Differential metabolite profiles and salinity tolerance between two genetically related brown-seeded and yellow-seeded <i>Brassica carinata</i> lines. Plant Science, 2013, 198, 17-26.	1.7	13
47	Molecular identification and characterization of the new 16SrIX-J and cpn60 UT IX-J phytoplasma subgroup associated with chicory bushy stunt disease in Saudi Arabia. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 518-522.	0.8	13
48	The CpnClassiPhyR Is a Resource for <i>cpn60</i> Universal Target-Based Classification of Phytoplasmas. Plant Disease, 2019, 103, 2494-2497.	0.7	12
49	Early Neonatal Meconium Does Not Have a Demonstrable Microbiota Determined through Use of Robust Negative Controls with <i>cpn60</i> -Based Microbiome Profiling. Microbiology Spectrum, 2021, 9, e0006721.	1.2	12
50	A Rapid, Simple, Laboratory and Field-Adaptable DNA Extraction and Diagnostic Method Suitable for Insect-Transmitted Plant Pathogen and Insect Identification. Plant Health Progress, 2020, 21, 63-68.	0.8	11
51	A novel <i>Candidatus Phytoplasma asteris</i> subgroup 16SrI-(E/A)I associated with blueberry stunt disease in eastern Canada. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 322-332.	0.8	11
52	Molecular characterization of a gene encoding N-myristoyl transferase (NMT) from <i>Triticum aestivum</i> (bread wheat). Genome, 2004, 47, 1036-1042.	0.9	10
53	White-rot fungi: the key to sustainable biofuel production?. Biofuels, 2013, 4, 247-250.	1.4	10
54	Characterization and genus identification of rhizobial symbionts from <i>Caragana arborescens</i> in western Canada. Canadian Journal of Microbiology, 2013, 59, 399-406.	0.8	10

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55	First Report of a New Jojoba (<i>Simmondsia chinensis</i>) Witchesâ€™-Broom Disease in Saudi Arabia and its Association With Infection by a â€™ Candidatus <i>Phytoplasma australasiae</i> â€™-Related <i>Phytoplasma</i> Strain. <i>Plant Disease</i> , 2017, 101, 1540-1540.	0.7	10
56	Quantitative molecular diagnostic assays of grain washes for <i>Claviceps purpurea</i> are correlated with visual determinations of ergot contamination. <i>PLoS ONE</i> , 2017, 12, e0173495.	1.1	10
57	Ultrasonic Delignification and Microstructural Characterization of Switchgrass. <i>Energies</i> , 2021, 14, 263.	1.6	9
58	Modified paired end rapid library preparation protocol for 454 GS Junior 8 kb library preparation using Covaris g-tubes and BluePippin electrophoresis. <i>Protocol Exchange</i> , 0, , .	0.3	9
59	Comparative Study on Quality of Fuel Pellets from Switchgrass Treated with Different White-Rot Fungi. <i>Energies</i> , 2021, 14, 7670.	1.6	9
60	Combining Desirable Traits for a Good Biocontrol Strategy against <i>Sclerotinia sclerotiorum</i> . <i>Microorganisms</i> , 2022, 10, 1189.	1.6	9
61	High-Quality Draft Genome Sequence of <i>Pseudomonas</i> sp. BRG100, a Strain with Bioherbicide Properties against <i>Setaria viridis</i> (Green Foxtail) and Other Pests of Agricultural Significance. <i>Genome Announcements</i> , 2014, 2, .	0.8	8
62	CaptureSeq: Hybridization-Based Enrichment of cpn60 Gene Fragments Reveals the Community Structures of Synthetic and Natural Microbial Ecosystems. <i>Microorganisms</i> , 2021, 9, 816.	1.6	8
63	Isogloboside Biosynthesis in Metastatic R3230AC Cells Results from a Decreased GM3 Synthase Activity. <i>Archives of Biochemistry and Biophysics</i> , 2001, 389, 187-194.	1.4	7
64	Pretreatment of Lignocellulosic Biomass Using Microorganisms: Approaches, Advantages, and Limitations. , 0, , .		6
65	Molecular characterization of 'Candidatus <i>Phytoplasma australasia</i> ' 16SrII subgroups associated with eggplant, cabbage, beetroot, and celery in Saudi Arabia. <i>Crop Protection</i> , 2020, 127, 104970.	1.0	6
66	Improved Detection and Quantitation of Human BK Polyomavirus by PCR Assay Authors' Reply. <i>Journal of Clinical Microbiology</i> , 2011, 49, 2778-2779.	1.8	5
67	Detection, symptomatology and management of aster yellows disease in canola.. , 0, , 233-246.		5
68	High-Quality Draft Genome Sequences of <i>Pantoea agglomerans</i> Isolates Exhibiting Antagonistic Interactions with Wheat Seed-Associated Fungi. <i>Genome Announcements</i> , 2016, 4, .	0.8	4
69	Periwinkle proliferation disease associated with 16SrI-B phytoplasma in Mexico. <i>Tropical Plant Pathology</i> , 2016, 41, 254-257.	0.8	4
70	Detection of blueberry stunt phytoplasma in Eastern Canada using cpn60-based molecular diagnostic assays. <i>Scientific Reports</i> , 2021, 11, 22118.	1.6	4
71	Molecular and functional characterization of <i>Brassica BREVIPEDICELLUS</i> orthologs involved in inflorescence architecture This paper is one of a selection of papers published in a Special Issue from the National Research Council of Canada â€™ Plant Biotechnology Institute.. <i>Botany</i> , 2009, 87, 604-615.	0.5	3
72	Multiplex Detection of Bacteria in Complex Clinical and Environmental Samples using Oligonucleotide-coupled Fluorescent Microspheres. <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	3

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73	Genome Sequence of <i>Pseudomonas chlororaphis</i> Strain 189. <i>Genome Announcements</i> , 2016, 4, .	0.8	3
74	Identification of grass white leaf disease associated with a "Candidatus <i>Phytoplasma asteris</i> "™-related phytoplasma strain (16Srl-B and cpn60 I-IIIb) in Mexico. <i>Tropical Plant Pathology</i> , 2018, 43, 242-246.	0.8	3
75	Genome Sequence of a Plant Growth-Promoting Rhizobacterium, <i>Pseudomonas</i> sp. Strain 31-12. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.3	3
76	Targeted capture of cpn60 gene fragments for PCR-independent microbial community profiling. <i>Protocol Exchange</i> , 0, , .	0.3	3
77	Detection of Maize Bushy Stunt <i>Phytoplasma</i> in Leafhoppers Collected in Native Corn Crops Grown at High Elevations in Southeast Mexico. <i>Florida Entomologist</i> , 2018, 101, 12-19.	0.2	3
78	Influence of Mass Burial of Animal Carcasses on the Types and Quantities of Microorganisms within a Burial Site. <i>Transactions of the ASABE</i> , 2012, 55, 2195-2212.	1.1	2
79	High-Quality Draft Genome Sequence of Biocontrol Strain <i>Pantoea</i> sp. OXWO6B1. <i>Genome Announcements</i> , 2016, 4, .	0.8	2
80	Detection and Typing of "Candidatus <i>Phytoplasma</i> " spp. in Host DNA Extracts Using Oligonucleotide-Coupled Fluorescent Microspheres. <i>Methods in Molecular Biology</i> , 2017, 1616, 121-136.	0.4	2
81	<i>Effect of Ultrasonic Pretreatment on the Chemical Composition and Pellet Quality of Camelina Straw </i>. , 2019, , .		2
82	Body-color plasticity of the English grain aphid in response to light in both laboratory and field conditions. <i>Evolutionary Ecology</i> , 2021, 35, 147-162.	0.5	2
83	Enhancing the physical quality of barley straw pellets by optimizing biological pretreatment. , 2016, , .		1
84	High-Quality Draft Genome Sequence of <i>Arthrobacter</i> sp. OY3WO11, a Strain That Inhibits the Growth of <i>Phytophthora infestans</i> . <i>Genome Announcements</i> , 2016, 4, .	0.8	1
85	Improved High-Quality Draft Genome Sequence of <i>Pseudomonas fluorescens</i> KENGFT3. <i>Genome Announcements</i> , 2016, 4, .	0.8	1
86	High-Quality Draft Genome Sequence of <i>Bacillus subtilis</i> Strain WAUSV36. <i>Genome Announcements</i> , 2016, 4, .	0.8	1
87	Molecular characterization of a 'Candidatus <i>Phytoplasma asteris</i> '-related strain (16Srl-B / cpn60UT I-IB) affecting daisies (<i>Argyranthemum</i> spp.) in Mexico. <i>Australasian Plant Disease Notes</i> , 2021, 16, 1.	0.4	1
88	Enzymatic Saccharification of Canola Straw and Oat Hull Subjected to Microwave-Assisted Alkali Pretreatment. , 0, , .		1
89	The CpnClassiPhyR Facilitates <i>Phytoplasma</i> Classification and Taxonomy Using cpn60 Universal Target Sequences. <i>Sustainability in Plant and Crop Protection</i> , 2019, , 1-27.	0.2	1
90	Determination of Microbial Communities beneath Livestock Burial Sites. , 2010, , .		0

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91	Densification of a Fermented Biomass Rich in Cellulolytic and Hemicellulolytic Enzymes. , 2015, , .		0
92	Densification of a fermented lignocellulosic biomass rich in cellulolytic enzymes.. Canadian Biosystems Engineering / Le Genie Des Biosystems Au Canada, 2016, 58, 3.1-3.8.	0.3	0
93	Microbial Pretreatment to Improve the Densification of Canola and Barley Straw. , 2016, , .		0
94	Extraterrestrial Extrapolations of Earthly Organismality. Qeios, 0, , .	0.0	0