# Brion Duffy

List of Publications by Year
in descending order



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|---|---|---|---|
| 55 papers | 5,920 citations | 116194 36 h-index | 175968 55 g-index |
| 55 all docs | 55 docs citations | 55 times ranked | 6416 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Phylogenomic resolution of the bacterial genus Pantoea and its relationship with Erwinia and Tatumella. Antonie Van Leeuwenhoek, 2017, 110, 1287-1309. | 0.7 | 48 |
| 2 | Role of the type VI secretion systems during disease interactions of Erwinia amylovora with its plant host. BMC Genomics, 2017, 18, 628. | 1.2 | 26 |
| 3 | Development and evaluation of a bioinformatics approach for designing molecular assays for viral detection. PLoS ONE, 2017, 12, e0178195. | 1.1 | 6 |
| 4 | Fire blight disease reactome: RNA-seq transcriptional profile of apple host plant defense responses to Erwinia amylovora pathogen infection. Scientific Reports, 2016, 6, 21600. | 1.6 | 38 |
| 5 | Insect pathogenicity in plant-beneficial pseudomonads: phylogenetic distribution and comparative genomics. ISME Journal, 2016, 10, 2527-2542. | 4.4 | 127 |
| 6 | Metagenomic diagnostics for the simultaneous detection of multiple pathogens in human stool specimens from CÃ´te d'Ivoire: a proof-of-concept study. Infection, Genetics and Evolution, 2016, 40, 389-397. | 1.0 | 34 |
| 7 | Erwinia gerundensis sp. nov., a cosmopolitan epiphyte originally isolated from pome fruit trees. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 1583-1592. | 0.8 | 33 |
| 8 | Complete Genome Sequence of the Cyanogenic Phosphate-Solubilizing Pseudomonas sp. Strain CCOS 191, a Close Relative of Pseudomonas mosselii. Genome Announcements, 2015, 3, . | 0.8 | 4 |
| 9 | Protection ofErwinia amylovorabacteriophage Y2 from UV-induced damage by natural compounds. Bacteriophage, 2015, 5, e1074330. | 1.9 | 40 |
| 10 | Evaluation of a real-time PCR and a loop-mediated isothermal amplification for detection of Xanthomonas arboricola pv. pruni in plant tissue samples. Journal of Microbiological Methods, 2015, 112, 36-39. | 0.7 | 11 |
| 11 | Draft Genome Sequences of the Onion Center Rot Pathogen Pantoea ananatis PA4 and Maize Brown Stalk Rot Pathogen P. ananatis BD442. Genome Announcements, 2014, 2, . | 0.8 | 7 |
| 12 | A novel plasmid pEA68 of Erwinia amylovora and the description of a new family of plasmids. Archives of Microbiology, 2014, 196, 891-899. | 1.0 | 9 |
| 13 | Streptomycin use in apple orchards did not increase abundance of mobile resistance genes. FEMS Microbiology Letters, 2014, 350, 180-189. | 0.7 | 23 |
| 14 | Phylogeography and population structure of the biologically invasive phytopathogen <scp>E</scp>rwinia amylovora inferred using minisatellites. Environmental Microbiology, 2014, 16, 2112-2125. | 1.8 | 49 |
| 15 | Whole-Genome Sequencing of Erwinia amylovora Strains from Mexico Detects Single Nucleotide Polymorphisms in rpsL Conferring Streptomycin Resistance and in the avrRpt2 Effector Altering Host Interactions. Genome Announcements, 2014, 2, . | 0.8 | 18 |
| 16 | Dickeya solani sp. nov., a pectinolytic plant-pathogenic bacterium isolated from potato (Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 0.8 | 228 |
| 17 | Erwinia amylovora loop-mediated isothermal amplification (LAMP) assay for rapid pathogen detection and on-site diagnosis of fire blight. Journal of Microbiological Methods, 2013, 92, 332-339. | 0.7 | 71 |
| 18 | Phylogenetic position and virulence apparatus of the pear flower necrosis pathogen Erwinia piriflorinigrans CFBP 5888T as assessed by comparative genomics. Systematic and Applied Microbiology, 2013, 36, 449-456. | 1.2 | 17 |

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|---|---|---|---|
| 19 | Comparative Genomics of 12 Strains of Erwinia amylovora Identifies a Pan-Genome with a Large Conserved Core. PLoS ONE, 2013, 8, e55644. | 1.1 | 80 |
| 20 | The Culturable Soil Antibiotic Resistome: A Community of Multi-Drug Resistant Bacteria. PLoS ONE, 2013, 8, e65567. | 1.1 | 148 |
| 21 | Restricted streptomycin use in apple orchards did not adversely alter the soil bacteria communities. Frontiers in Microbiology, 2013, 4, 383. | 1.5 | 25 |
| 22 | Characterization of the Biosynthetic Operon for the Antibacterial Peptide Herbicolin in Pantoea vagans Biocontrol Strain C9-1 and Incidence in Pantoea Species. Applied and Environmental Microbiology, 2012, 78, 4412-4419. | 1.4 | 47 |
| 23 | Fire Blight: Applied Genomic Insights of the Pathogen and Host. Annual Review of Phytopathology, 2012, 50, 475-494. | 3.5 | 118 |
| 24 | Comparative analysis of the Hrp pathogenicity island of Rubus- and Spiraeoideae-infecting Erwinia amylovora strains identifies the IT region as a remnant of an integrative conjugative element. Gene, 2012, 504, 6-12. | 1.0 | 16 |
| 25 | Detection of AI-2 Receptors in Genomes of Enterobacteriaceae Suggests a Role of Type-2 Quorum Sensing in Closed Ecosystems. Sensors, 2012, 12, 6645-6665. | 2.1 | 49 |
| 26 | Influence of Soil Use on Prevalence of Tetracycline, Streptomycin, and Erythromycin Resistance and Associated Resistance Genes. Antimicrobial Agents and Chemotherapy, 2012, 56, 1434-1443. | 1.4 | 124 |
| 27 | Lipopolysaccharide biosynthesis genes discriminate between Rubusâ€ and Spiraeoideaeâ€infective genotypes of Erwinia amylovora. Molecular Plant Pathology, 2012, 13, 975-984. | 2.0 | 16 |
| 28 | Redefinition of the map position and validation of a major quantitative trait locus for fire blight resistance of the pear cultivar â€˜Harrow Sweetâ€™ (Pyrus communis L.). Plant Breeding, 2012, 131, 656-664. | 1.0 | 27 |
| 29 | Genomics and current genetic understanding of Erwinia amylovora and the fire blight antagonist Pantoea vagans. Trees - Structure and Function, 2012, 26, 227-238. | 0.9 | 37 |
| 30 | European pome fruit genetic resources evaluated for disease resistance. Trees - Structure and Function, 2012, 26, 179-189. | 0.9 | 43 |
| 31 | Diversity, Evolution, and Functionality of Clustered Regularly Interspaced Short Palindromic Repeat (CRISPR) Regions in the Fire Blight Pathogen Erwinia amylovora. Applied and Environmental Microbiology, 2011, 77, 3819-3829. | 1.4 | 103 |
| 32 | Erwinia amylovora Novel Plasmid pEI70: Complete Sequence, Biogeography, and Role in Aggressiveness in the Fire Blight Phytopathogen. PLoS ONE, 2011, 6, e28651. | 1.1 | 46 |
| 33 | Genomics of iron acquisition in the plant pathogen Erwinia amylovora: insights in the biosynthetic pathway of the siderophore desferrioxamine E. Archives of Microbiology, 2011, 193, 693-699. | 1.0 | 53 |
| 34 | Comparative genomics of the type VI secretion systems of Pantoea and Erwinia species reveals the presence of putative effector islands that may be translocated by the VgrG and Hcp proteins. BMC Genomics, 2011, 12, 576. | 1.2 | 118 |
| 35 | Evolutionary insights from Erwinia amylovora genomics. Journal of Biotechnology, 2011, 155, 34-39. | 1.9 | 46 |
| 36 | Genome Sequence of an Erwinia amylovora Strain with Pathogenicity Restricted to Rubus Plants. Journal of Bacteriology, 2011, 193, 785-786. | 1.0 | 40 |

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|---|---|---|---|
| 37 | Metabolic Versatility and Antibacterial Metabolite Biosynthesis Are Distinguishing Genomic Features of the Fire Blight Antagonist Pantoea vagans C9-1. PLoS ONE, 2011, 6, e22247. | 1.1 | 56 |
| 38 | Complete Genome Sequence of the Fire Blight Pathogen Erwinia amylovora CFBP 1430 and Comparison to Other Erwinia spp.. Molecular Plant-Microbe Interactions, 2010, 23, 384-393. | 1.4 | 156 |
| 39 | Distribution of Pseudomonas populations harboring phlD or hcnAB biocontrol genes is related to depth in vineyard soils. Soil Biology and Biochemistry, 2010, 42, 466-472. | 4.2 | 7 |
| 40 | Genome Sequence of the Biocontrol Agent Pantoea vagans Strain C9-1. Journal of Bacteriology, 2010, 192, 6486-6487. | 1.0 | 93 |
| 41 | Plant Agricultural Streptomycin Formulations Do Not Carry Antibiotic Resistance Genes. Antimicrobial Agents and Chemotherapy, 2009, 53, 3173-3177. | 1.4 | 29 |
| 42 | The Role of luxS in the Fire Blight Pathogen Erwinia amylovora Is Limited to Metabolism and Does Not Involve Quorum Sensing. Molecular Plant-Microbe Interactions, 2007, 20, 1284-1297. | 1.4 | 28 |
| 43 | Development of molecular markers linked to the â€˜Fiestaâ€™ linkage group 7 major QTL for fire blight resistance and their application for marker-assisted selection. Genome, 2007, 50, 568-577. | 0.9 | 73 |
| 44 | Is the ability of biocontrol fluorescent pseudomonads to produce the antifungal metabolite 2,4â€diacetylphloroglucinol really synonymous with higher plant protection?. New Phytologist, 2007, 173, 861-872. | 3.5 | 98 |
| 45 | QTL mapping of fire blight resistance in apple. Molecular Breeding, 2006, 17, 299-306. | 1.0 | 99 |
| 46 | Use of Plant Growth-Promoting Bacteria for Biocontrol of Plant Diseases: Principles, Mechanisms of Action, and Future Prospects. Applied and Environmental Microbiology, 2005, 71, 4951-4959. | 1.4 | 2,025 |
| 47 | Autoinduction in Erwinia amylovora : Evidence of an Acyl-Homoserine Lactone Signal in the Fire Blight Pathogen. Journal of Bacteriology, 2005, 187, 3206-3213. | 1.0 | 68 |
| 48 | Signaling between bacterial and fungal biocontrol agents in a strain mixture. FEMS Microbiology Ecology, 2004, 48, 447-455. | 1.3 | 81 |
| 49 | Potential Role of Pathogen Signaling in Multitrophic Plant-Microbe Interactions Involved in Disease Protection. Applied and Environmental Microbiology, 2004, 70, 1836-1842. | 1.4 | 103 |
| 50 | Degradation of pathogen quorum-sensing molecules by soil bacteria: a preventive and curative biological control mechanism. FEMS Microbiology Ecology, 2003, 45, 71-81. | 1.3 | 227 |
| 51 | PATHOGENSELF-DEFENSE: Mechanisms to Counteract Microbial Antagonism. Annual Review of Phytopathology, 2003, 41, 501-538. | 3.5 | 224 |
| 52 | Mycotoxigenic Fusarium and Deoxynivalenol Production Repress Chitinase Gene Expression in the Biocontrol Agent Trichoderma atroviride P1. Applied and Environmental Microbiology, 2003, 69, 3077-3084. | 1.4 | 85 |
| 53 | Characterization of spontaneous gacS and gacA regulatory mutants of Pseudomonas fluorescens biocontrol strain CHAO. Antonie Van Leeuwenhoek, 2001, 79, 327-336. | 0.7 | 70 |
| 54 | Autoinduction of 2,4-Diacetylphloroglucinol Biosynthesis in the Biocontrol Agent Pseudomonas fluorescensCHA0 and Repression by the Bacterial Metabolites Salicylate and Pyoluteorin. Journal of Bacteriology, 2000, 182, 1215-1225. | 1.0 | 310 |

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|---|---|---|---|
| 55 | Combination ofTrichoderma koningiiwith Fluorescent Pseudomonads for Control of Take-all on Wheat. Phytopathology, 1996, 86, 188. | 1.1 | 163 |