

Geoff Pegg

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,194
citations

430874

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377865

34
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43
all docs

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docs citations

43
times ranked

1146
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Impact of the invasive rust <i>Puccinia psidii</i> (myrtle rust) on native Myrtaceae in natural ecosystems in Australia. <i>Biological Invasions</i> , 2016, 18, 127-144. | 2.4 | 126 |
| 2 | <i>Puccinia psidii</i> in Queensland, Australia: disease symptoms, distribution and impact. <i>Plant Pathology</i> , 2014, 63, 1005-1021. | 2.4 | 105 |
| 3 | Aerial Mapping of Forests Affected by Pathogens Using UAVs, Hyperspectral Sensors, and Artificial Intelligence. <i>Sensors</i> , 2018, 18, 944. | 3.8 | 98 |
| 4 | Phylogeny of the Quambalariaceae fam. nov., including important Eucalyptus pathogens in South Africa and Australia. <i>Studies in Mycology</i> , 2006, 55, 289-298. | 7.2 | 78 |
| 5 | Three new <i>Lasiodiplodia</i> spp. from the tropics, recognized based on DNA sequence comparisons and morphology. <i>Mycologia</i> , 2006, 98, 423-435. | 1.9 | 61 |
| 6 | Lessons from the Incursion of Myrtle Rust in Australia. <i>Annual Review of Phytopathology</i> , 2018, 56, 457-478. | 7.8 | 59 |
| 7 | Impact of <i>Austropuccinia psidii</i> (myrtle rust) on Myrtaceae-rich wet sclerophyll forests in south east Queensland. <i>PLoS ONE</i> , 2017, 12, e0188058. | 2.5 | 54 |
| 8 | Evidence for different QTL underlying the immune and hypersensitive responses of <i>Eucalyptus globulus</i> to the rust pathogen <i>Puccinia psidii</i> . <i>Tree Genetics and Genomes</i> , 2016, 12, 1. | 1.6 | 50 |
| 9 | Screening <i>Corymbia</i> populations for resistance to <i>Puccinia psidii</i> . <i>Plant Pathology</i> , 2014, 63, 425-436. | 2.4 | 39 |
| 10 | Detecting myrtle rust (<i>Austropuccinia psidii</i>) on lemon myrtle trees using spectral signatures and machine learning. <i>Plant Pathology</i> , 2018, 67, 1114-1121. | 2.4 | 36 |
| 11 | <i>Quambalaria</i> species associated with plantation and native eucalypts in Australia. <i>Plant Pathology</i> , 2008, 57, 702-714. | 2.4 | 35 |
| 12 | Screening <i>Eucalyptus cloeziana</i> and <i>E. argophloia</i> Populations for Resistance to <i>Puccinia psidii</i> . <i>Plant Disease</i> , 2015, 99, 71-79. | 1.4 | 35 |
| 13 | Variable resistance to <i>Quambalaria pitereka</i> in spotted gum reveal opportunities for disease screening. <i>Australasian Plant Pathology</i> , 2011, 40, 76-86. | 1.0 | 29 |
| 14 | <i>Ceratocystis</i> species, including two new species associated with nitidulid beetles, on eucalypts in Australia. <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 217-241. | 1.7 | 29 |
| 15 | <i>Teratosphaeria pseudoeucalypti</i> , new cryptic species responsible for leaf blight of <i>Eucalyptus</i> in subtropical and tropical Australia. <i>Plant Pathology</i> , 2010, 59, 900-912. | 2.4 | 26 |
| 16 | <i>Ceratocystis atrox</i> sp. nov. associated with <i>Phoracantha acanthocera</i> infestations on <i>Eucalyptus grandis</i> in Australia. <i>Australasian Plant Pathology</i> , 2007, 36, 407. | 1.0 | 24 |
| 17 | Infection and disease development of <i>Quambalaria</i> spp. on <i>Corymbia</i> and <i>Eucalyptus</i> species. <i>Plant Pathology</i> , 2009, 58, 642-654. | 2.4 | 24 |
| 18 | <i>Kirramyces viscidus</i> sp. nov., a new eucalypt pathogen from tropical Australia closely related to the serious leaf pathogen, <i>Kirramyces destructans</i> . <i>Australasian Plant Pathology</i> , 2007, 36, 478. | 1.0 | 21 |

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|----|---|-----|-----------|
| 19 | Ophiostoma species (Ophiostomatales, Ascomycota), including two new taxa on eucalypts in Australia. Australian Journal of Botany, 2011, 59, 283. | 0.6 | 20 |
| 20 | Comparison of host susceptibilities to native and exotic pathogens provides evidence for pathogen-imposed selection in forest trees. New Phytologist, 2019, 221, 2261-2272. | 7.3 | 19 |
| 21 | Symptom development and latent period of <i>Austropuccinia psidii</i> (myrtle rust) in relation to host species, temperature, and ontogenic resistance. Plant Pathology, 2020, 69, 484-494. | 2.4 | 19 |
| 22 | First Report of Myrtle Rust Caused by <i>Austropuccinia psidii</i> on <i>Rhodomyrtus tomentosa</i> (Myrtaceae) from Singapore. Plant Disease, 2017, 101, 1676-1676. | 1.4 | 18 |
| 23 | Predicting impact of <i>Austropuccinia psidii</i> on populations of broad leaved <i>Melaleuca</i> species in Australia. Australasian Plant Pathology, 2018, 47, 421-430. | 1.0 | 18 |
| 24 | <i>Austropuccinia psidii</i> on the move: survey based insights to its geographical distribution, host species, impacts and management in Australia. Biological Invasions, 2019, 21, 1215-1225. | 2.4 | 18 |
| 25 | Variability in aggressiveness of <i>Quambalaria pitereka</i> isolates. Plant Pathology, 2011, 60, 1107-1117. | 2.4 | 17 |
| 26 | Imminent Extinction of Australian Myrtaceae by Fungal Disease. Trends in Ecology and Evolution, 2020, 35, 554-557. | 8.7 | 17 |
| 27 | Risk assessment for <i>Puccinia psidii</i> becoming established in South Africa. Plant Pathology, 2015, 64, 1326-1335. | 2.4 | 15 |
| 28 | Direct and indirect community effects of the invasive plant pathogen <i>Austropuccinia psidii</i> (myrtle rust) on native plant communities in Australia. <i>Journal of Ecology</i> , 2020, 108, 1011-1021. | 2.4 | 12 |
| 29 | Resistance of New Zealand Provenance <i>Leptospermum scoparium</i> , <i>Kunzea robusta</i> , <i>Kunzea linearis</i> , and <i>Metrosideros excelsa</i> to <i>Austropuccinia psidii</i> . Plant Disease, 2020, 104, 1771-1780. | 1.4 | 12 |
| 30 | Impacts of the invasive fungus <i>Austropuccinia psidii</i> (myrtle rust) on three Australian Myrtaceae species of coastal swamp woodland. Austral Ecology, 2018, 43, 56-68. | 1.5 | 11 |
| 31 | Independent QTL underlie resistance to the native pathogen <i>Quambalaria pitereka</i> and the exotic pathogen <i>Austropuccinia psidii</i> in <i>Corymbia</i> . Tree Genetics and Genomes, 2019, 15, 1. | 1.6 | 11 |
| 32 | Spread and development of quambalaria shoot blight in spotted gum plantations. Plant Pathology, 2011, 60, 1096-1106. | 2.4 | 10 |
| 33 | Species within Mycosphaerellaceae and Teratosphaeriaceae from eucalypts in eastern Australia. Australasian Plant Pathology, 2011, 40, 366-384. | 1.0 | 10 |
| 34 | Phylogenetic and population genetic analyses reveal three distinct lineages of the invasive brown root-rot pathogen, <i>Phellinus noxius</i> , and bioclimatic modeling predicts differences in associated climate niches. European Journal of Plant Pathology, 2020, 156, 751-766. | 1.7 | 9 |
| 35 | Fire and rust – the impact of <i>Austropuccinia psidii</i> (myrtle rust) on regeneration of Myrtaceae in coastal heath following wildfire. Southern Forests, 2020, 82, 280-291. | 0.7 | 6 |
| 36 | Plant architecture, growth and biomass allocation effects of the invasive pathogen myrtle rust (<i>Austropuccinia psidii</i>) on Australian Myrtaceae species after fire. Austral Ecology, 2020, 45, 177-186. | 1.5 | 5 |

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|----|--|-----|-----------|
| 37 | Both Constitutive and Infection-Responsive Secondary Metabolites Linked to Resistance against <i>Austropuccinia psidii</i> (Myrtle Rust) in <i>Melaleuca quinquenervia</i> . <i>Microorganisms</i> , 2022, 10, 383. | 3.6 | 5 |
| 38 | Does disease severity impact on plant foliar chemical and physical responses to two <i>Corymbia citriodora</i> subsp. <i>variegata</i> pathogens?. <i>Industrial Crops and Products</i> , 2020, 148, 112288. | 5.2 | 4 |
| 39 | Potential gains through selecting for resistance in spotted gum to <i>Quambalaria pitereka</i> . <i>Australasian Plant Pathology</i> , 2011, 40, 197-206. | 1.0 | 3 |
| 40 | Changes in leaf chemistry and anatomy of <i>Corymbia citriodora</i> subsp. <i>variegata</i> (Myrtaceae) in response to native and exotic pathogens. <i>Australasian Plant Pathology</i> , 2020, 49, 641-653. | 1.0 | 2 |
| 41 | Transcriptome Analysis of <i>Eucalyptus grandis</i> Implicates Brassinosteroid Signaling in Defense Against Myrtle Rust (<i>Austropuccinia psidii</i>). <i>Frontiers in Forests and Global Change</i> , 2021, 4, . | 2.3 | 2 |
| 42 | Effect of <i>Austropuccinia psidii</i> inoculum concentration on myrtle rust disease incidence and severity. <i>Australasian Plant Pathology</i> , 2020, 49, 239-243. | 1.0 | 1 |
| 43 | Epidemic spread of smut fungi (<i>Quambalaria</i>) by sexual reproduction in a native pathosystem. <i>European Journal of Plant Pathology</i> , 2022, 163, 341-349. | 1.7 | 1 |