

Michael J Wilson

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,836
citations

218677

26
h-index

276875

41
g-index

59
all docs

59
docs citations

59
times ranked

1248
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Status of entomopathogenic nematodes and their symbiotic bacteria from selected countries or regions of the world. <i>Biological Control</i> , 2006, 38, 134-155. | 3.0 | 178 |
| 2 | Biological control of terrestrial molluscs using <i>Phasmarhabditis hermaphrodita</i> "progress and prospects. <i>Pest Management Science</i> , 2007, 63, 1153-1164. | 3.4 | 114 |
| 3 | Progress in the commercialisation of bionematicides. <i>BioControl</i> , 2013, 58, 715-722. | 2.0 | 71 |
| 4 | Low Temperature "Short Duration Steaming of Soil Kills Soil-Borne Pathogens, Nematode Pests and Weeds. <i>European Journal of Plant Pathology</i> , 2003, 109, 993-1002. | 1.7 | 70 |
| 5 | Entomopathogenic nematode foraging strategies " is <i>Steinernema carpocapsae</i> really an ambush forager?. <i>Nematology</i> , 2012, 14, 389-394. | 0.6 | 64 |
| 6 | The role of parasite release in invasion of the USA by European slugs. <i>Biological Invasions</i> , 2010, 12, 603-610. | 2.4 | 61 |
| 7 | Molecular phylogeny of slug-parasitic nematodes inferred from 18S rRNA gene sequences. <i>Molecular Phylogenetics and Evolution</i> , 2010, 55, 738-743. | 2.7 | 61 |
| 8 | Dispersal patterns and behaviour of the nematode <i>Phasmarhabditis hermaphrodita</i> in mineral soils and organic media. <i>Soil Biology and Biochemistry</i> , 2009, 41, 1483-1490. | 8.8 | 56 |
| 9 | Effects of <i>Phasmarhabditis hermaphrodita</i> on non-target molluscs. <i>Pest Management Science</i> , 2000, 56, 711-716. | 3.4 | 52 |
| 10 | An ecotoxicity assessment of contaminated forest soils from the Kola Peninsula. <i>Science of the Total Environment</i> , 2006, 355, 106-117. | 8.0 | 52 |
| 11 | Field Release and Environmental Fate of a Transgenic Entomopathogenic Nematode. <i>Biological Control</i> , 1997, 9, 75-80. | 3.0 | 51 |
| 12 | Biological Control Agents for White Grubs (Coleoptera: Scarabaeidae) in Anticipation of the Establishment of the Japanese Beetle in California. <i>Journal of Economic Entomology</i> , 2000, 93, 71-80. | 1.8 | 51 |
| 13 | Habitat associations of two entomopathogenic nematodes: a quantitative study using real-time quantitative polymerase chain reactions. <i>Journal of Animal Ecology</i> , 2007, 76, 238-245. | 2.8 | 49 |
| 14 | The chemotactic response of <i>Phasmarhabditis hermaphrodita</i> (Nematoda: Rhabditida) to cues of <i>Deroceras reticulatum</i> (Mollusca: Gastropoda). <i>Nematology</i> , 2006, 8, 197-200. | 0.6 | 47 |
| 15 | Effect of Nematodes on Rhizosphere Colonization by Seed-Applied Bacteria. <i>Applied and Environmental Microbiology</i> , 2004, 70, 4666-4671. | 3.1 | 46 |
| 16 | Chemoattraction and Host Preference of the Gastropod Parasitic Nematode <i>Phasmarhabditis hermaphrodita</i> . <i>Journal of Parasitology</i> , 2009, 95, 517-526. | 0.7 | 44 |
| 17 | The slug parasitic nematode <i>Phasmarhabditis hermaphrodita</i> associates with complex and variable bacterial assemblages that do not affect its virulence. <i>Journal of Invertebrate Pathology</i> , 2010, 104, 222-226. | 3.2 | 44 |
| 18 | Assessment of nematode biodiversity using DGGE of 18S rDNA following extraction of nematodes from soil. <i>Soil Biology and Biochemistry</i> , 2004, 36, 2027-2032. | 8.8 | 43 |

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|----|---|-----|-----------|
| 19 | Slugs: Potential Novel Vectors of Escherichia coli O157. Applied and Environmental Microbiology, 2006, 72, 144-149. | 3.1 | 41 |
| 20 | Application pattern and persistence of the entomopathogenic nematode Heterorhabditis bacteriophora. Biological Control, 2003, 26, 180-188. | 3.0 | 39 |
| 21 | Fine scale spatial distributions of two entomopathogenic nematodes in a grassland soil. Applied Soil Ecology, 2007, 37, 192-201. | 4.3 | 39 |
| 22 | Some observations on the morphology and protein profiles of the slug-parasitic nematodes Phasmarhabditis hermaphrodita and P. neopapillosa (Nematoda: Rhabditidae). Nematology, 1999, 1, 173-182. | 0.6 | 37 |
| 23 | Temporal Variation and Host Association in the Campylobacter Population in a Longitudinal Ruminant Farm Study. Applied and Environmental Microbiology, 2011, 77, 6579-6586. | 3.1 | 37 |
| 24 | Optimization of biological (Phasmarhabditis hermaphrodita) and chemical (iron phosphate and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 | 2.1 | 33 |
| 25 | Quantification of the slug parasitic nematode Phasmarhabditis hermaphrodita from soil samples using real time qPCR. International Journal for Parasitology, 2006, 36, 1453-1461. | 3.1 | 31 |
| 26 | Proteomic analysis of the entomopathogenic nematode Steinernema feltiae IS-6 IJs under evaporative and osmotic stresses. Molecular and Biochemical Parasitology, 2006, 145, 195-204. | 1.1 | 30 |
| 27 | Steinernema krausei, an indigenous nematode found in coniferous forests: efficacy and field persistence against Hylobius abietis. Agricultural and Forest Entomology, 2007, 9, 181-188. | 1.3 | 27 |
| 28 | Physiological and genetic mapping study of tolerance to root-knot nematode in rice. New Phytologist, 2007, 176, 665-672. | 7.3 | 27 |
| 29 | Movement of the parasitic nematode Phasmarhabditis hermaphrodita in the presence of mucus from the host slug Deroceras reticulatum. Biological Control, 2007, 41, 223-229. | 3.0 | 25 |
| 30 | Susceptibility and immune response of Deroceras reticulatum, Milax gagates and Limax pseudoflavus exposed to the slug parasitic nematode Phasmarhabditis hermaphrodita. Journal of Invertebrate Pathology, 2008, 97, 61-69. | 3.2 | 25 |
| 31 | Entomopathogenic Nematodes to Control Black Vine Weevil (Coleoptera: Curculionidae) on Strawberry. Journal of Economic Entomology, 1999, 92, 651-657. | 1.8 | 21 |
| 32 | Phylogenetic evidence for the invasion of a commercialized European Phasmarhabditis hermaphrodita lineage into North America and New Zealand. PLoS ONE, 2020, 15, e0237249. | 2.5 | 20 |
| 33 | Phoretic dispersal of entomopathogenic nematodes by Hylobius abietis. Nematology, 2009, 11, 419-427. | 0.6 | 19 |
| 34 | Testing a new low-labour method for detecting the presence of Phasmarhabditis spp. in slugs in New Zealand. Nematology, 2016, 18, 925-931. | 0.6 | 18 |
| 35 | The potential for use of gastropod molluscs as bioindicators of endocrine disrupting compounds in the terrestrial environment. Journal of Environmental Monitoring, 2009, 11, 491-497. | 2.1 | 15 |
| 36 | Pathogens and parasites of terrestrial molluscs. , 2012, , 427-439. | | 14 |

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|----|---|-----|-----------|
| 37 | Risk Assessment and Fitness of a Transgenic Entomopathogenic Nematode. <i>Biological Control</i> , 1999, 15, 81-87. | 3.0 | 13 |
| 38 | Seed dressings to control slug damage in oilseed rape. <i>Pest Management Science</i> , 2002, 58, 687-694. | 3.4 | 13 |
| 39 | Two new species of <i>Angiostoma</i> Dujardin, 1845 (Nematoda: Angiostomatidae) from British terrestrial molluscs. <i>Systematic Parasitology</i> , 2009, 74, 113-124. | 1.1 | 13 |
| 40 | Susceptibility of indigenous UK earthworms and an invasive pest flatworm to the slug parasitic nematode <i>Phasmarhabditis hermaphrodita</i> . <i>Biocontrol Science and Technology</i> , 2005, 15, 623-626. | 1.3 | 12 |
| 41 | Influence of substrate on the body-waving behaviour of nematodes. <i>Nematology</i> , 2009, 11, 917-925. | 0.6 | 12 |
| 42 | Invasive slug pests and their parasites' temperature responses and potential implications of climate change. <i>Biology and Fertility of Soils</i> , 2015, 51, 739-748. | 4.3 | 12 |
| 43 | <i>Aulacnema monodelphis</i> n. g., n. sp. and <i>Angiostoma coloaense</i> n. sp. (Nematoda: Rhabditida): Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 | 1.1 | 11 |
| 44 | Laboratory and field investigations using indigenous entomopathogenic nematodes for biological control of <i>Plutella xylostella</i> in Kenya. <i>International Journal of Pest Management</i> , 2008, 54, 355-361. | 1.8 | 11 |
| 45 | Developing a strategy for using entomopathogenic nematodes to control the African black beetle (<i>Heteronychus arator</i>) in New Zealand pastures and investigating temperature constraints. <i>Biological Control</i> , 2016, 93, 1-7. | 3.0 | 11 |
| 46 | Identification of Environmental Factors Limiting Plant Uptake of Metaldehyde Seed Treatments under Field Conditions. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 3646-3650. | 5.2 | 10 |
| 47 | Born to be Wild – Don't Forget the Invertebrates. <i>Trends in Parasitology</i> , 2015, 31, 530-532. | 3.3 | 10 |
| 48 | <i>Phasmarhabditis hermaphrodita</i> as a Control Agent for Slugs. , 2015, , 509-521. | | 10 |
| 49 | Is it time to 'wave' goodbye to 'nictating' nematodes?. <i>Nematology</i> , 2010, 12, 309-310. | 0.6 | 8 |
| 50 | Neutral density liquid formulations for nematode-based biopesticides. <i>Biotechnology Letters</i> , 2004, 26, 1167-1171. | 2.2 | 6 |
| 51 | Description and systematic affinity of <i>Alaninema ngata</i> n. sp. (Alaninematidae: Panagrolaimorpha) parasitising leaf-veined slugs (Athoracophoridae: Pulmonata) in New Zealand. <i>Nematology</i> , 2013, 15, 859-870. | 0.6 | 5 |
| 52 | Potential for a biopesticide bait to control black beetle, <i>Heteronychus arator</i> (Coleoptera): Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 | 3.4 | 5 |
| 53 | Role of monoterpenes in <i>Hylobius abietis</i> damage levels between cuttings and seedlings of <i>Picea sitchensis</i> . <i>Scandinavian Journal of Forest Research</i> , 2006, 21, 340-344. | 1.4 | 3 |
| 54 | Terrestrial mollusc pests. , 2007, , 751-765. | | 3 |

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|----|--|-----|-----------|
| 55 | Terrestrial Mollusc Pests. , 2000, , 787-804. | | 3 |
| 56 | Caffeine - bad for slugs, good for the environment?. Outlooks on Pest Management, 2002, 13, 270-271. | 0.2 | 2 |
| 57 | Mini-plot field experiments using seed dressings to control slug damage to oilseed rape. Crop Protection, 2006, 25, 890-892. | 2.1 | 2 |
| 58 | An improved bioassay for screening bacteria for biocontrol activity against slugs that avoids volatile-induced slug mortality. Biocontrol Science and Technology, 2012, 22, 1235-1237. | 1.3 | 1 |