# Ian M Denholm

List of Publications by Year
in descending order

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|---|---|---|---|
| 94 papers | 8,950 citations | 36203 51 h-index | 43802 91 g-index |
| 94 all docs | 94 docs citations | 94 times ranked | 5256 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Zero Tillage Systems Conserve Arbuscular Mycorrhizal Fungi, Enhancing Soil Glomalin and Water Stable Aggregates with Implications for Soil Stability. Soil Systems, 2021, 5, 4. | 1.0 | 21 |
| 2 | In situ morphometric survey elucidates the evolutionary systematics of the orchid genus Gymnadenia in the British Isles. Systematics and Biodiversity, 2021, 19, 571-600. | 0.5 | 7 |
| 3 | The Tripartite Rhizobacteria-AM Fungal-Host Plant Relationship in Winter Wheat: Impact of Multi-Species Inoculation, Tillage Regime and Naturally Occurring Rhizobacteria Species. Plants, 2021, 10, 1357. | 1.6 | 9 |
| 4 | Global patterns in genomic diversity underpinning the evolution of insecticide resistance in the aphid crop pest Myzus persicae. Communications Biology, 2021, 4, 847. | 2.0 | 55 |
| 5 | Detection of resistance to pyrethroid and neonicotinoid insecticides in the greenhouse whitefly, Trialeurodes vaporariorum (Westw.) (Hemiptera: Aleyrodidae). Crop Protection, 2021, 146, 105661. | 1.0 | 5 |
| 6 | A comparison of methodologies for the staining and quantification of intracellular components of arbuscular mycorrhizal fungi in the root cortex of two varieties of winter wheat. Access Microbiology, 2020, 2, acmi000083. | 0.2 | 16 |
| 7 | Occurrence of targetâ€site resistance to neonicotinoids in the aphid Myzus persicae in Tunisia, and its status on different host plants. Pest Management Science, 2018, 74, 1297-1301. | 1.7 | 29 |
| 8 | Molecular and morphological phylogenetics of the digitate-tubered clade within subtribe Orchidinae s.s. (Orchidaceae: Orchideae). Kew Bulletin, 2018, 73, 1. | 0.4 | 23 |
| 9 | Use of an individual-based simulation model to explore and evaluate potential insecticide resistance management strategies. Pest Management Science, 2017, 73, 1364-1372. | 1.7 | 14 |
| 10 | Multiple cis-acting elements involved in up-regulation of a cytochrome P450 gene conferring resistance to deltamethrin inÂsmalÂbrown planthopper, Laodelphax striatellus (FallÃ©n). Insect Biochemistry and Molecular Biology, 2016, 78, 20-28. | 1.2 | 20 |
| 11 | Genetic variation in target-site resistance to pyrethroids and pirimicarb in Tunisian populations of the peach potato aphid,Myzus persicae(Sulzer) (Hemiptera: Aphididae). Pest Management Science, 2016, 72, 2313-2320. | 1.7 | 16 |
| 12 | The global status of insect resistance to neonicotinoid insecticides. Pesticide Biochemistry and Physiology, 2015, 121, 78-87. | 1.6 | 711 |
| 13 | An Individual-Based Model of the Evolution of Pesticide Resistance in Heterogeneous Environments: Control of Meligethes aeneus Population in Oilseed Rape Crops. PLoS ONE, 2014, 9, e115631. | 1.1 | 34 |
| 14 | A mutation (<scp>L1014F</scp>) in the voltageâ€gated sodium channel of the grain aphid, Sitobion avenae, is associated with resistance toÂpyrethroid insecticides. Pest Management Science, 2014, 70, 1249-1253. | 1.7 | 73 |
| 15 | The evolution of insecticide resistance in the peach potato aphid, Myzus persicae. Insect Biochemistry and Molecular Biology, 2014, 51, 41-51. | 1.2 | 475 |
| 16 | Negative Cross Resistance Mediated by Co-Treated Bed Nets: A Potential Means of Restoring Pyrethroid-Susceptibility to Malaria Vectors. PLoS ONE, 2014, 9, e95640. | 1.1 | 15 |
| 17 | Detection of Resistance, Cross-Resistance, and Stability of Resistance to New Chemistry Insecticides in <I>Bemisia tabaci</I> (Homoptera: Aleyrodidae). Journal of Economic Entomology, 2013, 106, 1414-1422. | 0.8 | 68 |
| 18 | Crossâ€resistance relationships of the sulfoximine insecticide sulfoxaflor with neonicotinoids and other insecticides in the whiteflies Bemisia tabaci and Trialeurodes vaporariorum. Pest Management Science, 2013, 69, 809-813. | 1.7 | 99 |

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|---|---|---|---|
| 19 | Characterisation of Neonicotinoid and Pymetrozine Resistance in Strains of Bemisia tabaci (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /O | 1.7 | 58 |
| 20 | Chlorpyrifos ethyl-oxon sensitive and insensitive acetylcholinesterase variants of greenhouse whitefly Trialeurodes vaporariorum (Westw.) (Hemiptera:Aleyrodidae) from Turkey. Pesticide Biochemistry and Physiology, 2012, 104, 273-276. | 1.6 | 8 |
| 21 | Over-Expression of a Cytochrome P450 Is Associated with Resistance to Pyriproxyfen in the Greenhouse Whitefly Trialeurodes vaporariorum. PLoS ONE, 2012, 7, e31077. | 1.1 | 54 |
| 22 | Susceptibility of standard clones and European field populations of the green peach aphid, Myzus persicae, and the cotton aphid, Aphis gossypii (Hemiptera: Aphididae), to the novel anthranilic diamide insecticide cyantraniliprole. Pest Management Science, 2012, 68, 629-633. | 1.7 | 72 |
| 23 | Mutations in the sodium channel associated with pyrethroid resistance in the greenhouse whitefly, Trialeurodes vaporariorum. Pest Management Science, 2012, 68, 834-838. | 1.7 | 35 |
| 24 | Discovery and Characterization of Sulfoxaflor, a Novel Insecticide Targeting Sap-Feeding Pests. Journal of Agricultural and Food Chemistry, 2011, 59, 2950-2957. | 2.4 | 295 |
| 25 | Age-specific expression of a P450 monooxygenase (CYP6CM1) correlates with neonicotinoid resistance in Bemisia tabaci. Pesticide Biochemistry and Physiology, 2011, 101, 53-58. | 1.6 | 66 |
| 26 | Mutation of a nicotinic acetylcholine receptor Î² subunit is associated with resistance to neonicotinoid insecticides in the aphid Myzus persicae. BMC Neuroscience, 2011, 12, 51. | 0.8 | 275 |
| 27 | Pyrosequencing the transcriptome of the greenhouse whitefly, Trialeurodes vaporariorum reveals multiple transcripts encoding insecticide targets and detoxifying enzymes. BMC Genomics, 2011, 12, 56. | 1.2 | 97 |
| 28 | Pollinator effectiveness and fruit set in common ivy, Hedera helix (Araliaceae). Arthropod-Plant Interactions, 2010, 4, 19-28. | 0.5 | 46 |
| 29 | Characterisation of imidacloprid resistance mechanisms in the brown planthopper, Nilaparvata lugens StÃ¥l (Hemiptera: Delphacidae). Pesticide Biochemistry and Physiology, 2010, 97, 129-132. | 1.6 | 82 |
| 30 | Crossâ€resistance relationships between neonicotinoids and pymetrozine in Bemisia tabaci (Hemiptera: Aleyrodidae). Pest Management Science, 2010, 66, 1186-1190. | 1.7 | 104 |
| 31 | Incidence and characterisation of resistance to neonicotinoid insecticides and pymetrozine in the greenhouse whitefly, Trialeurodes vaporariorum Westwood (Hemiptera: Aleyrodidae). Pest Management Science, 2010, 66, 1304-1307. | 1.7 | 56 |
| 32 | (1939) Proposal to conserve the name Orchis occidentalis against O. kerryensis (Orchidaceae ). Taxon, 2010, 59, 977-978. | 0.4 | 3 |
| 33 | Amplification of a Cytochrome P450 Gene Is Associated with Resistance to Neonicotinoid Insecticides in the Aphid Myzus persicae. PLoS Genetics, 2010, 6, e1000999. | 1.5 | 398 |
| 34 | Pollination biology of fruit-bearing hedgerow plants and the role of flower-visiting insects in fruit-set. Annals of Botany, 2009, 104, 1397-1404. | 1.4 | 53 |
| 35 | Ecological Determinants of Bemisia tabaci Resistance to Insecticides. , 2009, , 423-465. | | 8 |
| 36 | Mutation in acetylcholinesterase1 associated with triazophos resistance in rice stem borer, Chilo suppressalis (Lepidoptera: Pyralidae). Biochemical and Biophysical Research Communications, 2009, 378, 269-272. | 1.0 | 90 |

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|---|---|---|---|
| 37 | High-throughput allelic discrimination of B and Q biotypes of the whitefly,Bemisia tabaci, using TaqMan allele-selective PCR. Pest Management Science, 2008, 64, 12-15. | 1.7 | 34 |
| 38 | Neonicotinoid resistance in rice brown planthopper, Nilaparvata lugens. Pest Management Science, 2008, 64, 1122-1125. | 1.7 | 96 |
| 39 | Correlated responses to neonicotinoid insecticides in clones of the peachâ€potato aphid, Myzus persicae (Hemiptera: Aphididae). Pest Management Science, 2008, 64, 1111-1114. | 1.7 | 46 |
| 40 | Ageâ€specific expression of resistance to a neonicotinoid insecticide in the whitefly Bemisia tabaci. Pest Management Science, 2008, 64, 1106-1110. | 1.7 | 58 |
| 41 | New methods for the detection of insecticide resistant Myzus persicae in the U.K. suction trap network. Agricultural and Forest Entomology, 2008, 10, 291-295. | 0.7 | 29 |
| 42 | Insecticide resistance and biotype status of populations of the tobacco whitefly Bemisia tabaci (Hemiptera: Aleyrodidae) from Turkey. Crop Protection, 2008, 27, 600-605. | 1.0 | 65 |
| 43 | Inheritance of L1014F and M918T sodium channel mutations associated with pyrethroid resistance in Myzus persicae. Biology Letters, 2008, 4, 545-548. | 1.0 | 10 |
| 44 | Over-expression of cytochrome P450 CYP6CM1 is associated with high resistance to imidacloprid in the B and Q biotypes of Bemisia tabaci (Hemiptera: Aleyrodidae). Insect Biochemistry and Molecular Biology, 2008, 38, 634-644. | 1.2 | 349 |
| 45 | Mitochondrial heteroplasmy and the evolution of insecticide resistance: Non-Mendelian inheritance in action. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5980-5985. | 3.3 | 225 |
| 46 | Report of resistance to the neonicotinoid insecticide imidacloprid inTrialeurodes vaporariorum (Hemiptera: Aleyrodidae). Pest Management Science, 2007, 63, 555-558. | 1.7 | 96 |
| 47 | The biotype and insecticide-resistance status of whiteflies, Bemisia tabaci (Hemiptera: Aleyrodidae), invading cropping systems in Xinjiang Uygur Autonomous Region, northwestern China. Crop Protection, 2007, 26, 612-617. | 1.0 | 88 |
| 48 | Behavioural side-effects of insecticide resistance in aphids increase their vulnerability to parasitoid attack. Animal Behaviour, 2007, 74, 621-632. | 0.8 | 52 |
| 49 | Nicotinic acetylcholine receptors: targets for commercially important insecticides. Invertebrate Neuroscience, 2007, 7, 53-66. | 1.8 | 229 |
| 50 | Resistance to Insecticides in the TYLCV vector, Bemisia Tabaci. , 2007, , 305-325. | | 28 |
| 51 | Delayed cuticular penetration and enhanced metabolism of deltamethrin in pyrethroid-resistant strains ofHelicoverpa armigera from China and Pakistan. Pest Management Science, 2006, 62, 805-810. | 1.7 | 95 |
| 52 | A nicotinic acetylcholine receptor mutation (Y151S) causes reduced agonist potency to a range of neonicotinoid insecticides. Journal of Neurochemistry, 2006, 99, 1273-1281. | 2.1 | 113 |
| 53 | New methods and strategies for monitoring susceptibility of fleas to current flea control products. Veterinary Therapeutics: Research in Applied Veterinary Medicine, 2006, 7, 86-98. | 0.3 | 4 |
| 54 | Resistance of insect pests to neonicotinoid insecticides: Current status and future prospects. Archives of Insect Biochemistry and Physiology, 2005, 58, 200-215. | 0.6 | 505 |

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|---|---|---|---|
| 55 | From The Cover: A nicotinic acetylcholine receptor mutation conferring target-site resistance to imidacloprid in Nilaparvata lugens (brown planthopper). Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8420-8425. | 3.3 | 380 |
| 56 | Evidence for multiple origins of identical insecticide resistance mutations in the aphid Myzus persicae. Insect Biochemistry and Molecular Biology, 2005, 35, 249-256. | 1.2 | 63 |
| 57 | Novel point mutation in the sodium channel gene of pyrethroid-resistant sea lice Lepeophtheirus salmonis (Crustacea: Copepoda). Diseases of Aquatic Organisms, 2005, 65, 129-136. | 0.5 | 40 |
| 58 | Effects of Bt plants on the development and survival of the parasitoid Cotesia plutellae (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 (Lepidoptera: Plutellidae). Journal of Insect Physiology, 2004, 50, 435-443. | 0.9 | 90 |
| 59 | High-throughput detection of knockdown resistance in Myzus persicae using allelic discriminating quantitative PCR. Insect Biochemistry and Molecular Biology, 2004, 34, 871-877. | 1.2 | 62 |
| 60 | Tritrophic choice experiments with bt plants, the diamondback moth (Plutella xylostella) and the parasitoid Cotesia plutellae. Transgenic Research, 2003, 12, 351-361. | 1.3 | 72 |
| 61 | Inheritance of pyriproxyfen resistance in the whitefly,Bemisia tabaci (Q biotype). Archives of Insect Biochemistry and Physiology, 2003, 54, 177-186. | 0.6 | 103 |
| 62 | Variation in response to neonicotinoid insecticides in peach-potato aphids,Myzus persicae (Hemiptera:) Tj ETQq0 0 0 rgBT /Overlock 10 | 1.7 | 88 |
| 63 | High Resistance of Field Populations of the Cotton Aphid Aphis gossypii Glover (Homoptera: Aphididae) to Pyrethroid Insecticides in Pakistan. Journal of Economic Entomology, 2003, 96, 875-878. | 0.8 | 44 |
| 64 | New developments in insecticide resistance in the glasshouse whitefly (Trialeurodes vaporariorum) and the two-spotted spider mite (Tetranychus urticae) in the UK. Pest Management Science, 2002, 58, 123-130. | 1.7 | 107 |
| 65 | Field-simulator studies of insecticide resistance to dimethylcarbamates and pyrethroids conferred by metabolic- and target site-based mechanisms in peach-potato aphids,Myzus persicae (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlock | 1.7 | |
| 66 | Negative cross-resistance between dihydropyrazole insecticides and pyrethroids in houseflies,Musca domestica. Pest Management Science, 2001, 57, 761-763. | 1.7 | 19 |
| 67 | The role of B-type esterases in conferring insecticide resistance in the tobacco whitefly,Bemisia tabaci (Genn). Pest Management Science, 2000, 56, 867-874. | 1.7 | 68 |
| 68 | A Parasitic Wasp (Eretmocerus mundus Mercet) Can Exploit Chemically Induced Delays in the Development Rates of Its Whitefly Host (Bemisia tabaci Genn.). Biological Control, 2000, 19, 64-75. | 1.4 | 11 |
| 69 | Parasitoid behaviour and Bt plants. Nature, 1999, 400, 825-826. | 13.7 | 139 |
| 70 | Potential side effects of insect-resistant transgenic plants on arthropod natural enemies. Trends in Biotechnology, 1999, 17, 210-216. | 4.9 | 121 |
| 71 | Managing resistance to the insect growth regulator, pyriproxyfen, inBemisia tabaci. Pest Management Science, 1999, 55, 272-276. | 0.7 | 40 |
| 72 | Isolation, Characterization, and Biological Activity of Naphthoquinones fromCalceolaria andinaL.. Journal of Agricultural and Food Chemistry, 1999, 47, 770-775. | 2.4 | 55 |

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|---|---|---|---|
| 73 | Managing resistance to the insect growth regulator, pyriproxyfen, in Bemisia tabaci. Pest Management Science, 1999, 55, 272-276. | 0.7 | 9 |
| 74 | Managing Resistance to the Chloronicotinyl Insecticides â€" Rhetoric or Reality?. , 1999, , 253-270. | | 23 |
| 75 | The response of pyriproxyfen-resistant and susceptibleBemisia tabaci Genn (Homoptera :Aleyrodidae) to pyriproxyfen and fenoxycarb alone and in combination with piperonyl butoxide. Pest Management Science, 1999, 55, 405-411. | 0.7 | 8 |
| 76 | Toxicological, Electrophysiological, and Molecular Characterisation of Knockdown Resistance to Pyrethroid Insecticides in the Diamondback Moth,Plutella xylostella(L.). Pesticide Biochemistry and Physiology, 1998, 59, 169-182. | 1.6 | 137 |
| 77 | Association between Biochemical Markers and Insecticide Resistance in the Cotton Aphid,Aphis gossypiiGlover. Pesticide Biochemistry and Physiology, 1998, 62, 164-171. | 1.6 | 102 |
| 78 | Insect-resistant transgenic plants. Trends in Biotechnology, 1998, 16, 168-175. | 4.9 | 327 |
| 79 | Effects of piperonyl butoxide on Bemisia tabaci Genn. (Homoptera: Aleyrodidae): mortality, development, parasitism and predation in Israeli cotton fields. Crop Protection, 1998, 17, 717-726. | 1.0 | 27 |
| 80 | A New Group of Plant-Derived Naphthoquinone Pesticides. Pest Management Science, 1997, 50, 291-296. | 0.7 | 24 |
| 81 | Use of biochemical and DNA diagnostics for characterising multiple mechanisms of insecticide resistance in the peach-potato aphid,Myzus persicae(Sulzer). Pest Management Science, 1997, 51, 283-289. | 0.7 | 47 |
| 82 | Relationship between bioassay data and the simulated field performance of insecticides against susceptible and resistant adult Bemisia tabaci (Homoptera: Aleyrodidae). Bulletin of Entomological Research, 1996, 86, 109-116. | 0.5 | 34 |
| 83 | Resolution of baseline responses and documentation of resistance to buprofezin in Bemisia tabaci (Homoptera: Aleyrodidae). Bulletin of Entomological Research, 1996, 86, 117-122. | 0.5 | 65 |
| 84 | Characterisation of Insensitive Acetylcholinesterase in Insecticide-Resistant Cotton Aphids,Aphis gossypiiGlover (Homoptera: Aphididae). Pesticide Biochemistry and Physiology, 1996, 56, 102-110. | 1.6 | 156 |
| 85 | Baseline determination and detection of resistance to imidacloprid in Bemisia tabaci (Homoptera: Aleyrodidae). Bulletin of Entomological Research, 1996, 86, 343-349. | 0.5 | 219 |
| 86 | Biochemical identification of interbreeding between B-type and non B-type strains of the tobacco whiteflyBemisia tabaci. Biochemical Genetics, 1995, 33, 13-23. | 0.8 | 54 |
| 87 | Pyrethroid and organophosphate resistance in the tobacco whitefly Bemisia tabaci (Homoptera:) Tj ETQq1 1 0.784314 rgBT /Ov | 0.5 | 149 |
| 88 | A biochemical and toxicological study of the role of insensitive acetylcholinesterase in organophosphorus resistantBemisia tabaci(Homoptera: Aleyrodidae) from Israel. Bulletin of Entomological Research, 1994, 84, 179-184. | 0.5 | 46 |
| 89 | Knockdown resistance (kdr) to DDT and pyrethroid insecticides maps to a sodium channel gene locus in the housefly (Musca domestica). Molecular Genetics and Genomics, 1993, 240, 17-22. | 2.4 | 180 |
| 90 | The microimmersion bioassay: A novel method for the topical application of pesticides to spider mites. Pest Management Science, 1993, 39, 47-54. | 0.7 | 42 |

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|---|---|---|---|
| 91 | Laboratory apparatus and techniques for the rearing and insecticidal treatment of whitefly Bemisia tabaci (Homoptera: Aleyrodidae) under simulated field conditions. Bulletin of Entomological Research, 1990, 80, 209-216. | 0.5 | 23 |
| 92 | A microtitre plate assay for characterizing insensitive acetylcholinesterase genotypes of insecticide-resistant insects. Bulletin of Entomological Research, 1988, 78, 537-544. | 0.5 | 70 |
| 93 | Characterization of the structure-activity relationship ofkdrand two variants ofsuper-kdrto pyrethroids in the housefly (Musca domesticaL.). Pest Management Science, 1987, 19, 209-220. | 0.7 | 69 |
| 94 | Potentiation ofSuper-kdrresistance to deltamethrin and other pyrethroids by an intensifier (factor) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 0.7 | 13 |