

Michael James Wilkinson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7124462/publications.pdf>

Version: 2024-02-01

77
papers

4,451
citations

136885

32
h-index

110317

64
g-index

90
all docs

90
docs citations

90
times ranked

4757
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A new system of comparing PCR primers applied to ISSR fingerprinting of potato cultivars. <i>Theoretical and Applied Genetics</i> , 1999, 98, 107-112. | 1.8 | 960 |
| 2 | Developing an appropriate strategy to assess genetic variability in plant germplasm collections. <i>Theoretical and Applied Genetics</i> , 1999, 98, 1125-1131. | 1.8 | 231 |
| 3 | Selection of candidate coding DNA barcoding regions for use on land plants. <i>Botanical Journal of the Linnean Society</i> , 2009, 159, 1-11. | 0.8 | 231 |
| 4 | Environmental consequences of alternative practices for intensifying crop production. <i>Agriculture, Ecosystems and Environment</i> , 2002, 88, 279-290. | 2.5 | 169 |
| 5 | Hybridization Between <i>Brassica napus</i> and <i>B. rapa</i> on a National Scale in the United Kingdom. <i>Science</i> , 2003, 302, 457-459. | 6.0 | 154 |
| 6 | DNA Barcoding the Native Flowering Plants and Conifers of Wales. <i>PLoS ONE</i> , 2012, 7, e37945. | 1.1 | 138 |
| 7 | Low relative humidity triggers RNA-directed de novo DNA methylation and suppression of genes controlling stomatal development. <i>Journal of Experimental Botany</i> , 2012, 63, 3799-3813. | 2.4 | 128 |
| 8 | Risk assessment of GM plants: avoiding gridlock?. <i>Trends in Plant Science</i> , 2003, 8, 208-212. | 4.3 | 110 |
| 9 | Low probability of chloroplast movement from oilseed rape (<i>Brassica napus</i>) into wild <i>Brassica rapa</i> . <i>Nature Biotechnology</i> , 1999, 17, 390-392. | 9.4 | 106 |
| 10 | A direct regional scale estimate of transgene movement from genetically modified oilseed rape to its wild progenitors. <i>Molecular Ecology</i> , 2000, 9, 983-991. | 2.0 | 106 |
| 11 | Cytosine methylation regulates oviposition in the pathogenic blood fluke <i>Schistosoma mansoni</i> . <i>Nature Communications</i> , 2011, 2, 424. | 5.8 | 103 |
| 12 | A genetic linkage map of microsatellite, gene-specific and morphological markers in diploid <i>Fragaria</i> . <i>Theoretical and Applied Genetics</i> , 2004, 109, 1385-1391. | 1.8 | 102 |
| 13 | Progressive erosion of genetic and epigenetic variation in callus-derived cocoa (<i>Theobroma</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 3.5 96 | 3.5 | 96 |
| 14 | Polyploid speciation in <i>Hedera</i> (Araliaceae): Phylogenetic and biogeographic insights based on chromosome counts and ITS sequences. <i>Plant Systematics and Evolution</i> , 1999, 219, 165-179. | 0.3 | 84 |
| 15 | High-resolution melt analysis to identify and map sequence-tagged site anchor points onto linkage maps: a white lupin (<i>Lupinus albus</i>) map as an exemplar. <i>New Phytologist</i> , 2008, 180, 594-607. | 3.5 | 70 |
| 16 | Transgene risk is low. <i>Nature</i> , 1998, 393, 320-320. | 13.7 | 66 |
| 17 | Biodiversity and biogeography of the cacao (<i>Theobroma cacao</i>) pathogen <i>Moniliophthora roreri</i> in tropical America. <i>Plant Pathology</i> , 2007, 56, 911-922. | 1.2 | 66 |
| 18 | Fitness of hybrids between rapeseed (<i>Brassica napus</i>) and wild <i>Brassica rapa</i> in natural habitats. <i>Molecular Ecology</i> , 2006, 15, 1175-1184. | 2.0 | 65 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | A Hypomethylated population of <i>Brassica rapa</i> for forward and reverse Epi-genetics. <i>BMC Plant Biology</i> , 2012, 12, 193. | 1.6 | 64 |
| 20 | Assembling spatially explicit landscape models of pollen and spore dispersal by wind for risk assessment. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1705-1713. | 1.2 | 63 |
| 21 | Frosty Pod of Cacao: A Disease with a Limited Geographic Range but Unlimited Potential for Damage. <i>Phytopathology</i> , 2007, 97, 1644-1647. | 1.1 | 63 |
| 22 | A new taxonomic treatment of the <i>Festuca ovina</i> L. aggregate (Poaceae) in the British Isles. <i>Botanical Journal of the Linnean Society</i> , 1991, 106, 347-397. | 0.8 | 61 |
| 23 | Feulgen Staining of Intact Plant Tissues for Confocal Microscopy. <i>Biotechnic and Histochemistry</i> , 1996, 71, 84-87. | 0.7 | 55 |
| 24 | Epi-fingerprinting and epi-interventions for improved crop production and food quality. <i>Frontiers in Plant Science</i> , 2015, 6, 397. | 1.7 | 52 |
| 25 | Transgenerational, Dynamic Methylation of Stomata Genes in Response to Low Relative Humidity. <i>International Journal of Molecular Sciences</i> , 2013, 14, 6674-6689. | 1.8 | 51 |
| 26 | Cytological and molecular observations on <i>Solanum phureja</i> -induced dihaploid potatoes. <i>Theoretical and Applied Genetics</i> , 1991, 82, 545-551. | 1.8 | 49 |
| 27 | Evaluation of cacao (<i>Theobroma cacao</i>) clones against seven Colombian isolates of <i>Moniliophthora roreri</i> from four pathogen genetic groups. <i>Plant Pathology</i> , 2005, 54, 483-490. | 1.2 | 48 |
| 28 | Spontaneous gene flow from rapeseed (<i>Brassica napus</i>) to wild <i>Brassica oleracea</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 3111-3115. | 1.2 | 46 |
| 29 | Replacing Sanger with Next Generation Sequencing to improve coverage and quality of reference DNA barcodes for plants. <i>Scientific Reports</i> , 2017, 7, 46040. | 1.6 | 45 |
| 30 | Epigenetic rather than genetic factors may explain phenotypic divergence between coastal populations of diploid and tetraploid <i>Limonium</i> spp. (Plumbaginaceae) in Portugal. <i>BMC Plant Biology</i> , 2013, 13, 205. | 1.6 | 41 |
| 31 | Meristem micropropagation of cassava (<i>Manihot esculenta</i>) evokes genome-wide changes in DNA methylation. <i>Frontiers in Plant Science</i> , 2015, 6, 590. | 1.7 | 40 |
| 32 | Direct Detection and Quantification of Methylation in Nucleic Acid Sequences Using High-Resolution Melting Analysis. <i>Analytical Chemistry</i> , 2010, 82, 9100-9108. | 3.2 | 39 |
| 33 | Detection and quantification of in vitro-culture induced chimerism using simple sequence repeat (SSR) analysis in <i>Theobroma cacao</i> (L.). <i>Theoretical and Applied Genetics</i> , 2004, 110, 157-166. | 1.8 | 36 |
| 34 | Differential Effect of Three Base Modifications on DNA Thermostability Revealed by High Resolution Melting. <i>Analytical Chemistry</i> , 2012, 84, 7336-7342. | 3.2 | 35 |
| 35 | Active and adaptive plasticity in a changing climate. <i>Trends in Plant Science</i> , 2022, 27, 717-728. | 4.3 | 35 |
| 36 | The Structure of Interrupted Human AC Microsatellites. <i>Molecular Biology and Evolution</i> , 2003, 20, 453-459. | 3.5 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | The first genetic maps of cashew (<i>Anacardium occidentale</i> L.). <i>Euphytica</i> , 2007, 157, 131-143. | 0.6 | 31 |
| 38 | Title is missing!. <i>Euphytica</i> , 2002, 124, 139-145. | 0.6 | 30 |
| 39 | Allelic Size Standards and Reference Genotypes to Unify International Cocoa (<i>Theobroma cacao</i> L.) Microsatellite Data. <i>Genetic Resources and Crop Evolution</i> , 2006, 53, 1643-1652. | 0.8 | 30 |
| 40 | Fitness and beyond: Preparing for the arrival of GM crops with ecologically important novel characters. <i>Environmental Biosafety Research</i> , 2009, 8, 1-14. | 1.1 | 30 |
| 41 | What's in a name: Crinipellis, the final resting place for the frosty pod rot pathogen of cocoa?. <i>The Mycologist</i> , 2002, 16, . | 0.5 | 29 |
| 42 | Quantitative and Qualitative Differences in Morphological Traits Revealed between Diploid <i>Fragaria</i> Species. <i>Annals of Botany</i> , 2004, 94, 787-796. | 1.4 | 29 |
| 43 | Rapeseed cytoplasm gives advantage in wild relatives and complicates genetically modified crop biocontainment. <i>New Phytologist</i> , 2009, 183, 1201-1211. | 3.5 | 27 |
| 44 | Characterization and PCR multiplexing of polymorphic microsatellite loci in cashew (<i>Anacardium</i>) Tj ETQq0 0 0 rgBT (Overlock, 10 Tf 50 4 | 1.7 | 25 |
| 45 | Production of haploids and doubled haploids in oil palm. <i>BMC Plant Biology</i> , 2010, 10, 218. | 1.6 | 25 |
| 46 | <i>Solanum phureja</i> genes are expressed in the leaves and tubers of aneusomatic potato dihaploids. <i>Euphytica</i> , 1993, 69, 1-6. | 0.6 | 23 |
| 47 | Pre-conditioning the epigenetic response to high vapor pressure deficit increases the drought tolerance of <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2013, 8, e25974. | 1.2 | 23 |
| 48 | Salt Stress Induces Non-CG Methylation in Coding Regions of Barley Seedlings (<i>Hordeum vulgare</i>). <i>Epigenomes</i> , 2018, 2, 12. | 0.8 | 21 |
| 49 | Spontaneous capture of oilseed rape (<i>Brassica napus</i>) chloroplasts by wild <i>B. rapa</i> : implications for the use of chloroplast transformation for biocontainment. <i>Current Genetics</i> , 2009, 55, 139-150. | 0.8 | 20 |
| 50 | Conserving marginal populations of the food plant (<i>Impatiens noli-tangere</i>) of an endangered moth (<i>Eustroma reticulatum</i>) in a changing climate. <i>Biological Conservation</i> , 2004, 116, 305-317. | 1.9 | 18 |
| 51 | Detection of somaclonal variation during cocoa somatic embryogenesis characterised using cleaved amplified polymorphic sequence and the new freeware Artbio. <i>Molecular Breeding</i> , 2010, 25, 501-516. | 1.0 | 18 |
| 52 | Functional Genomics of Cacao. <i>Advances in Botanical Research</i> , 2010, 55, 119-177. | 0.5 | 17 |
| 53 | METHODOLOGICAL INSIGHTS: The role of satellite image-processing for national-scale estimates of gene flow from genetically modified crops: rapeseed in the UK as a model. <i>Journal of Applied Ecology</i> , 2004, 41, 1174-1184. | 1.9 | 16 |
| 54 | High throughput, high resolution selection of polymorphic microsatellite loci for multiplex analysis. <i>Plant Methods</i> , 2005, 1, 3. | 1.9 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Processes affecting genetic structure and conservation: a case study of wild and cultivated <i>Brassica rapa</i> . <i>Genetic Resources and Crop Evolution</i> , 2009, 56, 189-200. | 0.8 | 15 |
| 56 | Confocal observations of late-acting self-incompatibility in <i>Theobroma cacao</i> L.. <i>Sexual Plant Reproduction</i> , 2012, 25, 169-183. | 2.2 | 14 |
| 57 | Evidence that genes from the male parent may influence the morphology of potato dihaploids. <i>Theoretical and Applied Genetics</i> , 1997, 94, 241-248. | 1.8 | 13 |
| 58 | Juvenile-mature wood transition in pine: correlation between wood properties and candidate gene expression profiles. <i>Euphytica</i> , 2009, 166, 341. | 0.6 | 13 |
| 59 | Adaptive divergence and speciation among sexual and pseudoviviparous populations of <i>Festuca</i> . <i>Heredity</i> , 2011, 106, 854-861. | 1.2 | 12 |
| 60 | Factors influencing the utility of gametic microprotoplasts for partial genome transfer in potato. <i>Plant Cell Reports</i> , 1999, 18, 786-790. | 2.8 | 10 |
| 61 | Genetic Variation in a Chilean Endangered Endemic: <i>Gomortega keule</i> (molina) Baillon. <i>Biodiversity and Conservation</i> , 2005, 14, 2871-2881. | 1.2 | 10 |
| 62 | Development and characterisation of microsatellite markers for the fungus <i>Lasiodiplodia theobromae</i> . <i>Summa Phytopathologica</i> , 2008, 34, 55-57. | 0.3 | 9 |
| 63 | Dual-locus DNA metabarcoding reveals southern hairy-nosed wombats (<i>Lasiorchinus latifrons</i> Owen) have a summer diet dominated by toxic invasive plants. <i>PLoS ONE</i> , 2020, 15, e0229390. | 1.1 | 9 |
| 64 | <i>Botrytis cinerea</i> Loss and Restoration of Virulence during In Vitro Culture Follows Flux in Global DNA Methylation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3034. | 1.8 | 8 |
| 65 | The partial stability of additional chromosomes in <i>Solanum tuberosum</i> cv. <i>Torridon</i> . <i>Euphytica</i> , 1992, 60, 115-122. | 0.6 | 7 |
| 66 | A simple, high throughput method to locate single copy sequences from Bacterial Artificial Chromosome (BAC) libraries using High Resolution Melt analysis. <i>BMC Genomics</i> , 2010, 11, 301. | 1.2 | 7 |
| 67 | BAC-HAPPY Mapping (BAP Mapping): A New and Efficient Protocol for Physical Mapping. <i>PLoS ONE</i> , 2010, 5, e9089. | 1.1 | 6 |
| 68 | Assessing the value of imperfect biocontainment nationally: rapeseed in the United Kingdom as an exemplar. <i>New Phytologist</i> , 2015, 205, 1342-1349. | 3.5 | 6 |
| 69 | Ranking the value of germplasm: new oil palm (<i>Elaeis guineensis</i>) breeding stocks as a case study. <i>Annals of Applied Biology</i> , 2012, 160, 145-156. | 1.3 | 5 |
| 70 | GM risk assessment: Pollen carriage from <i>Brassica napus</i> to <i>B. rapa</i> varies widely between pollinators. <i>Basic and Applied Ecology</i> , 2017, 19, 36-44. | 1.2 | 5 |
| 71 | The potential of aerosol eDNA sampling for the characterisation of commercial seed lots. <i>PLoS ONE</i> , 2018, 13, e0201617. | 1.1 | 5 |
| 72 | Greenhouse Spatial Effects Detected in the Barley (<i>Hordeum vulgare</i> L.) Epigenome Underlie Stochasticity of DNA Methylation. <i>Frontiers in Plant Science</i> , 2020, 11, 553907. | 1.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Abandoning "responsive" GM risk assessment. <i>Trends in Biotechnology</i> , 2004, 22, 438-439. | 4.9 | 3 |
| 74 | DNA Barcoding Simplifies Environmental Risk Assessment of Genetically Modified Crops in Biodiverse Regions. <i>PLoS ONE</i> , 2012, 7, e35929. | 1.1 | 3 |
| 75 | Atlas of Age- and Tissue-Specific DNA Methylation during Early Development of Barley (<i>Hordeum</i>) Tj ETQq1 1 0.784314 rgBT /Overloc | | |
| 76 | Caps DNA Barcoding for Field Laboratory Identification of Grass Species (British Grasses as a Model). <i>Agriculture</i> , 2020, 66, 74-86. | 0.2 | 1 |
| 77 | The love life of a rose. A commentary on: "Asymmetrical canina meiosis is accompanied by the expansion of a pericentric satellite in non-recombining univalent chromosomes". <i>Annals of Botany</i> , 2020, 125, v-vi. | 1.4 | 0 |