# Thomas Henry Noel Ellis

List of Publications by Year
in descending order



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|---|---|---|---|
| 113 papers | 8,294 citations | 41258 49 h-index | 48187 88 g-index |
| 114 all docs | 114 docs citations | 114 times ranked | 5636 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An Integrated Linkage Map of Three Recombinant Inbred Populations of Pea (Pisum sativum L.). Genes, 2022, 13, 196. | 1.0 | 3 |
| 2 | How did Mendel arrive at his discoveries?. Nature Genetics, 2022, 54, 926-933. | 9.4 | 9 |
| 3 | Diversity of Pod Shape in Pisum. Diversity, 2021, 13, 203. | 0.7 | 7 |
| 4 | Retrotransposons and the Evolution of Genome Size in Pisum. BioTech, 2020, 9, 24. | 1.3 | 3 |
| 5 | A reference genome for pea provides insight into legume genome evolution. Nature Genetics, 2019, 51, 1411-1422. | 9.4 | 363 |
| 6 | Mendelâ€™s pea crosses: varieties, traits and statistics. Hereditas, 2019, 156, 33. | 0.5 | 7 |
| 7 | Genome-Wide Association Mapping for Agronomic and Seed Quality Traits of Field Pea (Pisum sativum) Tj ETQq1 1 0.784314 rgBT /O | 1.7 | 83 |
| 8 | Recombinant inbred lines derived from cultivars of pea for understanding the genetic basis of variation in breeders' traits. Plant Genetic Resources: Characterisation and Utilisation, 2018, 16, 424-436. | 0.4 | 4 |
| 9 | How Mendelâ€™s Interest in Inheritance Grew out of Plant Improvement. Genetics, 2018, 210, 347-355. | 1.2 | 16 |
| 10 | Identification of Stipules reduced, a leaf morphology gene in pea (Pisum sativum). New Phytologist, 2018, 220, 288-299. | 3.5 | 21 |
| 11 | NMR Metabolomics Defining Genetic Variation in Pea Seed Metabolites. Frontiers in Plant Science, 2018, 9, 1022. | 1.7 | 18 |
| 12 | Genetic Variation Controlling Wrinkled Seed Phenotypes in Pisum: How Lucky Was Mendel?. International Journal of Molecular Sciences, 2017, 18, 1205. | 1.8 | 22 |
| 13 | The Full Breadth of Mendelâ€™s Genetics. Genetics, 2016, 204, 1327-1336. | 1.2 | 21 |
| 14 | Translational Genomics in Agriculture: Some Examples in Grain Legumes. Critical Reviews in Plant Sciences, 2015, 34, 169-194. | 2.7 | 83 |
| 15 | Pea. Handbook of Plant Breeding, 2015, , 37-83. | 0.1 | 25 |
| 16 | Developmental specialisations in the legume family. Current Opinion in Plant Biology, 2014, 17, 153-158. | 3.5 | 23 |
| 17 | Exploiting a fast neutron mutant genetic resource in Pisum sativum (pea) for functional genomics. Functional Plant Biology, 2013, 40, 1261. | 1.1 | 42 |
| 18 | NODULE ROOT and COCHLEATA Maintain Nodule Development and Are Legume Orthologs of Arabidopsis BLADE-ON-PETIOLE Genes. Plant Cell, 2012, 24, 4498-4510. | 3.1 | 116 |

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|---|---|---|---|
| 19 | The b Gene of Pea Encodes a Defective Flavonoid 3â€²,5â€²-Hydroxylase, and Confers Pink Flower Color Â Â. Plant Physiology, 2012, 159, 759-768. | 2.3 | 45 |
| 20 | Conserved genetic determinant of motor organ identity in Medicago truncatula and related legumes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11723-11728. | 3.3 | 57 |
| 21 | VEGETATIVE1 is essential for development of the compound inflorescence in pea. Nature Communications, 2012, 3, 797. | 5.8 | 85 |
| 22 | Recombination, and chromosomes, in a changing environment. New Phytologist, 2012, 195, 8-9. | 3.5 | 1 |
| 23 | The Application of LTR Retrotransposons as Molecular Markers in Plants. Methods in Molecular Biology, 2012, 859, 115-153. | 0.4 | 58 |
| 24 | Phylogeny, phylogeography and genetic diversity of the Pisum genus. Plant Genetic Resources: Characterisation and Utilisation, 2011, 9, 4-18. | 0.4 | 128 |
| 25 | Mendel, 150 years on. Trends in Plant Science, 2011, 16, 590-596. | 4.3 | 58 |
| 26 | Analysis of plant diversity with retrotransposon-based molecular markers. Heredity, 2011, 106, 520-530. | 1.2 | 213 |
| 27 | Natural Variation in Host-Specific Nodulation of Pea Is Associated with a Haplotype of the SYM37 LysM-Type Receptor-Like Kinase. Molecular Plant-Microbe Interactions, 2011, 24, 1396-1403. | 1.4 | 24 |
| 28 | Legume genetic resources: management, diversity assessment, and utilization in crop improvement. Euphytica, 2011, 180, 27-47. | 0.6 | 47 |
| 29 | Germplasm resources in legumes. Plant Genetic Resources: Characterisation and Utilisation, 2011, 9, 1-3. | 0.4 | 5 |
| 30 | Genetic background and agronomic value of leaf types in pea (Pisum sativum). Ratarstvo I Povrtarstvo, 2011, 48, 275-284. | 0.6 | 26 |
| 31 | The genetic diversity and evolution of field pea (Pisum) studied by high throughput retrotransposon based insertion polymorphism (RBIP) marker analysis. BMC Evolutionary Biology, 2010, 10, 44. | 3.2 | 169 |
| 32 | Identification of Mendel's White Flower Character. PLoS ONE, 2010, 5, e13230. | 1.1 | 135 |
| 33 | THREaD Mapper Studio: a novel, visual web server for the estimation of genetic linkage maps. Nucleic Acids Research, 2010, 38, W188-W193. | 6.5 | 24 |
| 34 | Do Transcription Factors Play Special Roles in Adaptive Variation?: Figure 1.. Plant Physiology, 2010, 154, 506-511. | 2.3 | 46 |
| 35 | Model legumes contribute to faba bean breeding. Field Crops Research, 2010, 115, 253-269. | 2.3 | 64 |
| 36 | Tendril-lessRegulates Tendril Formation in Pea Leaves Â. Plant Cell, 2009, 21, 420-428. | 3.1 | 129 |

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|---|---|---|---|
| 37 | High-throughput retrotransposon-based fluorescent markers: improved information content and allele discrimination. Plant Methods, 2009, 5, 10. | 1.9 | 20 |
| 38 | Genetic Diversity and Core Collection of Alien <I>Pisum sativum</I> L. Germplasm. Acta Agronomica Sinica(China), 2009, 34, 1518-1528. | 0.1 | 1 |
| 39 | Genetic diversity within Lablab purpureus and the application of gene-specific markers from a range of legume species. Plant Genetic Resources: Characterisation and Utilisation, 2007, 5, 154-171. | 0.4 | 18 |
| 40 | Gene-Based Sequence Diversity Analysis of Field Pea (Pisum). Genetics, 2007, 177, 2263-2275. | 1.2 | 74 |
| 41 | Genetic and genomic analysis of legume flowers and seeds. Current Opinion in Plant Biology, 2006, 9, 133-141. | 3.5 | 35 |
| 42 | A crispa null mutant facilitates identification of a crispa-like pseudogene in pea. Functional Plant Biology, 2006, 33, 757. | 1.1 | 3 |
| 43 | Conservation of Arabidopsis Flowering Genes in Model Legumes. Plant Physiology, 2005, 137, 1420-1434. | 2.3 | 270 |
| 44 | The Mutant crispa Reveals Multiple Roles for PHANTASTICA in Pea Compound Leaf Development. Plant Cell, 2005, 17, 1046-1060. | 3.1 | 86 |
| 45 | GERMINATE. A Generic Database for Integrating Genotypic and Phenotypic Information for Plant Genetic Resource Collections. Plant Physiology, 2005, 139, 619-631. | 2.3 | 35 |
| 46 | Insertional Polymorphism and Antiquity of PDR1 Retrotransposon Insertions in Pisum Species. Genetics, 2005, 171, 741-752. | 1.2 | 60 |
| 47 | The Application of LTR Retrotransposons as Molecular Markers in Plants. , 2004, 260, 145-174. | | 85 |
| 48 | Estimating genome conservation between crop and model legume species. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15289-15294. | 3.3 | 416 |
| 49 | The potyvirus recessive resistance gene, sbm1 , identifies a novel role for translation initiation factor eIF4E in cellâ€toâ€cell trafficking. Plant Journal, 2004, 40, 376-385. | 2.8 | 248 |
| 50 | Using bioinformatics to analyse germplasm collections. Euphytica, 2004, 137, 39-54. | 0.6 | 8 |
| 51 | Comparative mapping between Medicago sativa and Pisum sativum. Molecular Genetics and Genomics, 2004, 272, 235-246. | 1.0 | 150 |
| 52 | Identification of markers tightly linked to sbm recessive genes for resistance to Pea seed-borne mosaic virus. Theoretical and Applied Genetics, 2004, 109, 488-494. | 1.8 | 70 |
| 53 | NMR profiling of transgenic peas. Plant Biotechnology Journal, 2004, 2, 27-35. | 4.1 | 90 |
| 54 | Legume genomes: more than peas in a pod. Current Opinion in Plant Biology, 2003, 6, 199-204. | 3.5 | 142 |

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|---|---|---|---|
| 55 | DETERMINATE and LATE FLOWERING Are Two TERMINAL FLOWER1/CENTRORADIALIS Homologs That Control Two Distinct Phases of Flowering Initiation and Development in Pea. Plant Cell, 2003, 15, 2742-2754. | 3.1 | 221 |
| 56 | The Sym35 Gene Required for Root Nodule Development in Pea Is an Ortholog of Nin from Lotus japonicus Â. Plant Physiology, 2003, 131, 1009-1017. | 2.3 | 168 |
| 57 | A microarray-based high throughput molecular marker genotyping method: the tagged microarray marker (TAM) approach. Nucleic Acids Research, 2003, 31, 115e-115. | 6.5 | 58 |
| 58 | Transposable Elements Reveal the Impact of Introgression, Rather than Transposition, in Pisum Diversity, Evolution, and Domestication. Molecular Biology and Evolution, 2003, 20, 2067-2075. | 3.5 | 111 |
| 59 | PROLIFERATING INFLORESCENCE MERISTEM, a MADS-Box Gene That Regulates Floral Meristem Identity in Pea. Plant Physiology, 2002, 129, 1150-1159. | 2.3 | 75 |
| 60 | Three classes of proteinase inhibitor gene have distinct but overlapping patterns of expression in Pisum sativum plants. Plant Molecular Biology, 2002, 48, 319-329. | 2.0 | 23 |
| 61 | Conservation and diversification of gene function in plant development. Current Opinion in Plant Biology, 2002, 5, 56-61. | 3.5 | 10 |
| 62 | Mapping of the nodulation loci sym9 and sym10 of pea (Pisum sativum L.). Theoretical and Applied Genetics, 2002, 104, 1312-1316. | 1.8 | 43 |
| 63 | A genetic linkage map of Guinea yam (Dioscorea rotundata Poir.) based on AFLP markers. Theoretical and Applied Genetics, 2002, 105, 716-725. | 1.8 | 55 |
| 64 | A genetic linkage map of water yam (Dioscorea alata L.) based on AFLP markers and QTL analysis for anthracnose resistance. Theoretical and Applied Genetics, 2002, 105, 726-735. | 1.8 | 69 |
| 65 | An integrated and comparative view of pea genetic and cytogenetic maps. New Phytologist, 2002, 153, 17-25. | 3.5 | 83 |
| 66 | Genetic Control of Leaf Morphology: A Partial View. Annals of Botany, 2001, 88, 1129-1139. | 1.4 | 24 |
| 67 | Association of dominant loci for resistance to Pseudomonas syringae pv. pisi with linkage groups II, VI and VII of Pisum sativum. Theoretical and Applied Genetics, 2001, 103, 129-135. | 1.8 | 28 |
| 68 | Stability and inheritance of methylation states at PstI sites in Pisum. Molecular Genetics and Genomics, 2001, 265, 497-507. | 1.0 | 47 |
| 69 | Expression of a class 1 knotted1-like homeobox gene is down-regulated in pea compound leaf primordia. Plant Molecular Biology, 2001, 45, 387-398. | 2.0 | 96 |
| 70 | Nodule-Expressed Cyp15a Cysteine Protease Genes Map to Syntenic Genome Regions in Pisum and Medicago spp.. Molecular Plant-Microbe Interactions, 2000, 13, 715-723. | 1.4 | 19 |
| 71 | Pea Ty1-copia group retrotransposons: transpositional activity and use as markers to study genetic diversity in Pisum. Molecular Genetics and Genomics, 2000, 263, 898-907. | 2.4 | 107 |
| 72 | Pea Compound Leaf Architecture Is Regulated by Interactions among the Genes UNIFOLIATA, COCHLEATA, AFILA, and TENDRIL-LESS. Plant Cell, 2000, 12, 1279. | 3.1 | 0 |

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| 73 | Pea Compound Leaf Architecture Is Regulated by Interactions among the Genes UNIFOLIATA, COCHLEATA, AFILA, and TENDRIL-LESS. Plant Cell, 2000, 12, 1279-1294. | 3.1 | 138 |
| 74 | Rapid isolation of plant Ty1-copia group retrotransposon LTR sequences for molecular marker studies. Plant Journal, 1999, 19, 711-717. | 2.8 | 82 |
| 75 | Genetic mapping and functional analysis of a nodulation-defective mutant (sym19) of pea (Pisum) Tj ETQq1 1 0.784314 rgBT /Overlock | 2.4 | 40 |
| 76 | Heterogeneity of the internal structure of PDR1, a family of Ty1/copia-like retrotransposons in pea. Molecular Genetics and Genomics, 1999, 262, 703-713. | 2.4 | 21 |
| 77 | Genetic mapping in pea. 1. RAPD-based genetic linkage map of Pisum sativum. Theoretical and Applied Genetics, 1998, 97, 905-915. | 1.8 | 115 |
| 78 | Polymorphism of insertion sites of Ty1-copia class retrotransposons and its use for linkage and diversity analysis in pea. Molecular Genetics and Genomics, 1998, 260, 9-19. | 2.4 | 147 |
| 79 | Retrotransposon-based insertion polymorphisms (RBIP) for high throughput marker analysis. Plant Journal, 1998, 16, 643-650. | 2.8 | 205 |
| 80 | The genetic control of patterning in pea leaves. Trends in Plant Science, 1998, 3, 439-444. | 4.3 | 51 |
| 81 | Neighbour mapping as a method for ordering genetic markers. Genetical Research, 1997, 69, 35-43. | 0.3 | 19 |
| 82 | The relationship between genetic and cytogenetic maps of pea. I. Standard and translocation karyotypes. Genome, 1997, 40, 744-754. | 0.9 | 42 |
| 83 | The relationship between genetic and cytogenetic maps of pea. II. Physical maps of linkage mapping populations. Genome, 1997, 40, 755-769. | 0.9 | 66 |
| 84 | UNIFOLIATA regulates leaf and flower morphogenesis in pea. Current Biology, 1997, 7, 581-587. | 1.8 | 375 |
| 85 | Repeated sequence markers in pea (Pisum sativum). New Phytologist, 1997, 137, 35-41. | 3.5 | 3 |
| 86 | The pea early nodulin gene PsENOD7 maps in the region of linkage group I containing sym2 and leghaemoglobin. Plant Molecular Biology, 1996, 31, 149-156. | 2.0 | 20 |
| 87 | Isolation by PCR of a cDNA clone from pea petals with similarity to petunia and wheat zinc finger proteins. Plant Molecular Biology, 1996, 30, 1051-1058. | 2.0 | 18 |
| 88 | AFLP analysis of the diversity and phylogeny of Lens and its comparison with RAPD analysis. Theoretical and Applied Genetics, 1996, 93-93, 751-758. | 1.8 | 191 |
| 89 | Pea lines carrying syml or sym2 can be nodulated by Rhizobium strains containing nodX; sym1 and sym2 are allelic. Plant Science, 1995, 108, 41-49. | 1.7 | 49 |
| 90 | Estimating map distances. Trends in Genetics, 1994, 10, 113-114. | 2.9 | 2 |

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| 91 | The organisation and expression of the genes encoding the mitochondrial glycine decarboxylase complex and serine hydroxymethyltransferase in pea (Pisum sativum). Molecular Genetics and Genomics, 1993, 236-236, 402-408. | 2.4 | 45 |
| 92 | Pisum lipoxygenase genes. Theoretical and Applied Genetics, 1991, 81, 800-805. | 1.8 | 14 |
| 93 | A developmentally regulated early-embryogenesis protein in pea (Pisum sativum L.) is related to the heat-shock protein (HSP70) gene family. Planta, 1991, 184, 350-5. | 1.6 | 11 |
| 94 | Evidence for the presence of hairpin chloroplast DNA molecules in barley cultivars. Current Genetics, 1991, 20, 253-258. | 0.8 | 8 |
| 95 | Identification and Genetic Regulation of the Chalcone Synthase Multigene Family in Pea. Plant Cell, 1990, 2, 185. | 3.1 | 3 |
| 96 | Methylated and undermethylated rDNA repeats are interspersed at random in two higher plant species. Plant Molecular Biology, 1990, 14, 73-80. | 2.0 | 32 |
| 97 | Identification of translocations in pea by in situ hybridization with chromosome-specific DNA probes. Genome, 1990, 33, 745-749. | 0.9 | 20 |
| 98 | The wrinkled-seed character of pea described by Mendel is caused by a transposon-like insertion in a gene encoding starch-branching enzyme. Cell, 1990, 60, 115-122. | 13.5 | 442 |
| 99 | An RFLP marker for rb in pea. Theoretical and Applied Genetics, 1988, 75, 362-365. | 1.8 | 24 |
| 100 | Trisomy: a useful adjunct to RFLP mapping in pea. Chromosoma, 1988, 96, 91-94. | 1.0 | 11 |
| 101 | 5S rRNA genes in Pisum: Sequence, long range and chromosomal organization. Molecular Genetics and Genomics, 1988, 214, 333-342. | 2.4 | 88 |
| 102 | The Structure, Expression and Arrangement of Legumin Genes in Peas. Biochemie Und Physiologie Der Pflanzen, 1988, 183, 173-180. | 0.5 | 5 |
| 103 | Two genes encoding â€˜minorâ€™ legumin polypeptides in pea (Pisum sativum L.). Characterization and complete sequence of the LegJ gene. Biochemical Journal, 1988, 250, 15-24. | 1.7 | 46 |
| 104 | The sequence of a gene encoding convicilin from pea (Pisum sativum L.) shows that convicilin differs from vicilin by an insertion near the N-terminus. Biochemical Journal, 1988, 251, 717-726. | 1.7 | 53 |
| 105 | Ramped field inversion gel electrophoresis: a cautionary note. Nucleic Acids Research, 1987, 15, 5489-5489. | 6.5 | 27 |
| 106 | Restriction fragment length polymorphism markers in relation to quantitative characters. Theoretical and Applied Genetics, 1986, 72, 1-2. | 1.8 | 70 |
| 107 | Organization and mapping of legumin genes in Pisum. Molecular Genetics and Genomics, 1986, 202, 280-285. | 2.4 | 48 |
| 108 | Vicilin genes ofPisum. Molecular Genetics and Genomics, 1986, 205, 164. | 2.4 | 33 |

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| 109 | Deleted forms of plastid DNA in albino plants from cereal anther culture. Current Genetics, 1985, 9, 671-678. | 0.8 | 165 |
| 110 | The organization and genetics of rDNA length variants in peas. Chromosoma, 1984, 91, 74-81. | 1.0 | 96 |
| 111 | Chloroplast DNA deletions associated with wheat plants regenerated from pollen: possible basis for maternal inheritance of chloroplasts. Cell, 1984, 39, 359-368. | 13.5 | 214 |
| 112 | Aleksandar MikiÄ‡, the legume (re)searcher. , 0, , . | | 0 |
| 113 | Mendelâ€™s reaction to Darwinâ€™s provisional hypothesis of pangenesis and the experiment that could not wait. Heredity, 0, , . | 1.2 | 4 |