# Andrew R Leitch

List of Publications by Year
in descending order



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|---|---|---|---|
| 154 papers | 12,491 citations | 19608 61 h-index | 29081 104 g-index |
| 157 all docs | 157 docs citations | 157 times ranked | 8396 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | One thousand plant transcriptomes and theÂphylogenomics of green plants. Nature, 2019, 574, 679-685. | 13.7 | 1,162 |
| 2 | Genomic Plasticity and the Diversity of Polyploid Plants. Science, 2008, 320, 481-483. | 6.0 | 755 |
| 3 | In Situ Localization of Parental Genomes in a Wide Hybrid. Annals of Botany, 1989, 64, 315-324. | 1.4 | 529 |
| 4 | Extensive chromosomal variation in a recently formed natural allopolyploid species,<i>Tragopogon miscellus</i>(Asteraceae). Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1176-1181. | 3.3 | 333 |
| 5 | The Ups and Downs of Genome Size Evolution in Polyploid Species of Nicotiana (Solanaceae). Annals of Botany, 2008, 101, 805-814. | 1.4 | 294 |
| 6 | Genomic in situ hybridization to identify alien chromosomes and chromosome segments in wheat. Theoretical and Applied Genetics, 1992, 84-84, 778-786. | 1.8 | 242 |
| 7 | Molecular cytogenetic analyses and phylogenetic studies in the Nicotiana section Tomentosae. Chromosoma, 2000, 109, 245-258. | 1.0 | 211 |
| 8 | Rapid Concerted Evolution of Nuclear Ribosomal DNA in Two Tragopogon Allopolyploids of Recent and Recurrent OriginSequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AY458586, AY458588, AY458589, and AY458587. Genetics, 2005, 169, 931-944. | 1.2 | 209 |
| 9 | Phylogenetic relationships in Nicotiana (Solanaceae) inferred from multiple plastid DNA regions. Molecular Phylogenetics and Evolution, 2004, 33, 75-90. | 1.2 | 197 |
| 10 | Discrimination between closely related Triticeae species using genomic DNA as a probe. Theoretical and Applied Genetics, 1990, 79, 721-728. | 1.8 | 194 |
| 11 | Longâ€term genome diploidization in allopolyploid Nicotiana section Repandae (Solanaceae). New Phytologist, 2005, 168, 241-252. | 3.5 | 173 |
| 12 | Rapid Chromosome Evolution in Recently Formed Polyploids in Tragopogon (Asteraceae). PLoS ONE, 2008, 3, e3353. | 1.1 | 173 |
| 13 | Impacts of Nitrogen and Phosphorus: From Genomes to Natural Ecosystems and Agriculture. Frontiers in Ecology and Evolution, 2017, 5, . | 1.1 | 168 |
| 14 | Genome evolution in allotetraploid Nicotiana. Biological Journal of the Linnean Society, 2004, 82, 599-606. | 0.7 | 163 |
| 15 | Sequence of events leading to nearâ€complete genome turnover in allopolyploid Nicotiana within five million years. New Phytologist, 2007, 175, 756-763. | 3.5 | 158 |
| 16 | Ecological and genetic factors linked to contrasting genome dynamics in seed plants. New Phytologist, 2012, 194, 629-646. | 3.5 | 158 |
| 17 | Concerted evolution of 18-5.8-26S rDNA repeats in Nicotiana allotetraploids. Biological Journal of the Linnean Society, 2004, 82, 615-625. | 0.7 | 154 |
| 18 | Is post-polyploidization diploidization the key to the evolutionary success of angiosperms?. Botanical Journal of the Linnean Society, 2016, 180, 1-5. | 0.8 | 154 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A genome for gnetophytes and early evolution of seed plants. Nature Plants, 2018, 4, 82-89. | 4.7 | 151 |
| 20 | Next Generation Sequencing Reveals Genome Downsizing in Allotetraploid Nicotiana tabacum, Predominantly through the Elimination of Paternally Derived Repetitive DNAs. Molecular Biology and Evolution, 2011, 28, 2843-2854. | 3.5 | 150 |
| 21 | Evolution of rDNA in Nicotiana Allopolyploids: A Potential Link between rDNA Homogenization and Epigenetics. Annals of Botany, 2008, 101, 815-823. | 1.4 | 148 |
| 22 | Mobilization of retrotransposons in synthetic allotetraploid tobacco. New Phytologist, 2010, 186, 135-147. | 3.5 | 146 |
| 23 | Preferential elimination of repeated DNA sequences from the paternal, Nicotiana tomentosiformis genome donor of a synthetic, allotetraploid tobacco. New Phytologist, 2005, 166, 291-303. | 3.5 | 143 |
| 24 | Telomeres in evolution and evolution of telomeres. Chromosome Research, 2005, 13, 469-479. | 1.0 | 142 |
| 25 | Gene conversion of ribosomal DNA in Nicotiana tabacum is associated with undermethylated, decondensed and probably active gene units. Chromosoma, 2000, 109, 161-172. | 1.0 | 139 |
| 26 | Cytogenetic features of <scp>rRNA</scp> genes across land plants: analysis of the Plant <scp>rDNA</scp> database. Plant Journal, 2017, 89, 1020-1030. | 2.8 | 133 |
| 27 | Detection and characterization of 1B/1R translocations in hexaploid wheat. Heredity, 1990, 65, 385-392. | 1.2 | 132 |
| 28 | Genomic Repeat Abundances Contain Phylogenetic Signal. Systematic Biology, 2015, 64, 112-126. | 2.7 | 126 |
| 29 | Analysis of the giant genomes of <i><scp>F</scp>ritillaria</i> (<scp>L</scp>iliaceae) indicates that a lack of <scp>DNA</scp> removal characterizes extreme expansions in genome size. New Phytologist, 2015, 208, 596-607. | 3.5 | 122 |
| 30 | Genome size and ploidy influence angiosperm species' biomass under nitrogen and phosphorus limitation. New Phytologist, 2016, 210, 1195-1206. | 3.5 | 117 |
| 31 | Parental genomes are separated throughout the cell cycle in a plant hybrid. Chromosoma, 1991, 101, 206-213. | 1.0 | 116 |
| 32 | Diploidization and genome size change in allopolyploids is associated with differential dynamics of lowâ€•and highâ€copy sequences. Plant Journal, 2013, 74, 829-839. | 2.8 | 112 |
| 33 | The origin of tobacco's T genome is traced to a particular lineage within <i>Nicotiana tomentosiformis</i> (Solanaceae). American Journal of Botany, 2002, 89, 921-928. | 0.8 | 108 |
| 34 | The absence of Arabidopsis-type telomeres in Cestrum and closely related genera Vestia and Sessea (Solanaceae): first evidence from eudicots. Plant Journal, 2003, 34, 283-291. | 2.8 | 106 |
| 35 | Evolution and structure of 5S rDNA loci in allotetraploid Nicotiana tabacum and its putative parental species. Heredity, 2002, 88, 19-25. | 1.2 | 99 |
| 36 | Molecular cytogenetic analysis of recently evolved<i>Tragopogon</i>(Asteraceae) allopolyploids reveal a karyotype that is additive of the diploid progenitors. American Journal of Botany, 2004, 91, 1022-1035. | 0.8 | 99 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Genome Size Diversity and Evolution in Land Plants. , 2013, , 307-322. | | 99 |
| 38 | Physical mapping of plant DNA sequences by simultaneous <i>in situ</i> hybridization of two differently labelled fluorescent probes. Genome, 1991, 34, 329-333. | 0.9 | 98 |
| 39 | Nuclear glutamine synthetase evolution in Nicotiana: Phylogenetics and the origins of allotetraploid and homoploid (diploid) hybrids. Molecular Phylogenetics and Evolution, 2010, 55, 99-112. | 1.2 | 96 |
| 40 | Ribosomal DNA evolution and phylogeny inAloe(Asphodelaceae). American Journal of Botany, 2000, 87, 1578-1583. | 0.8 | 95 |
| 41 | Construction of a chromosome-enriched Hpall library from flow-sorted wheat chromosomes. Nucleic Acids Research, 1992, 20, 1897-1901. | 6.5 | 89 |
| 42 | Phylogenetic reconstruction of Aegilops section Sitopsis and the evolution of tandem repeats in the diploids and derived wheat polyploids. Genome, 2006, 49, 1023-1035. | 0.9 | 89 |
| 43 | Repeat-sequence turnover shifts fundamentally in species with large genomes. Nature Plants, 2020, 6, 1325-1329. | 4.7 | 87 |
| 44 | Fall and rise of satellite repeats in allopolyploids of <i>Nicotiana</i> over <i>c</i>. 5â€ƒmillion years. New Phytologist, 2010, 186, 148-160. | 3.5 | 86 |
| 45 | Is There an Upper Limit to Genome Size?. Trends in Plant Science, 2017, 22, 567-573. | 4.3 | 86 |
| 46 | A taxonomic, genetic and ecological data resource for the vascular plants of Britain and Ireland. Scientific Data, 2022, 9, 1. | 2.4 | 86 |
| 47 | Key Features of Cereal Genome Organization as Revealed by the Use of Cytosine Methylation-Sensitive Restriction Endonucleases. Genomics, 1993, 15, 472-482. | 1.3 | 84 |
| 48 | Contrasting evolutionary dynamics between angiosperm and mammalian genomes. Trends in Ecology and Evolution, 2009, 24, 572-582. | 4.2 | 83 |
| 49 | Rapid evolution of parental rDNA in a synthetic tobacco allotetraploid line. American Journal of Botany, 2003, 90, 988-996. | 0.8 | 79 |
| 50 | Making a functional diploid: from polysomic to disomic inheritance. New Phytologist, 2010, 186, 113-122. | 3.5 | 78 |
| 51 | Nextâ€generation sequencing and genome evolution in allopolyploids. American Journal of Botany, 2012, 99, 372-382. | 0.8 | 77 |
| 52 | Independent, Rapid and Targeted Loss of Highly Repetitive DNA in Natural and Synthetic Allopolyploids of Nicotiana tabacum. PLoS ONE, 2012, 7, e36963. | 1.1 | 77 |
| 53 | Higher Levels of Organization in the Interphase Nucleus of Cycling and Differentiated Cells. Microbiology and Molecular Biology Reviews, 2000, 64, 138-152. | 2.9 | 75 |
| 54 | Evolutionary relationships in the medicinally important genus Fritillaria L. (Liliaceae). Molecular Phylogenetics and Evolution, 2014, 80, 11-19. | 1.2 | 75 |

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|---|---|---|---|
| 55 | Review of the Application of Modern Cytogenetic Methods (FISH/GISH) to the Study of Reticulation (Polyploidy/Hybridisation). Genes, 2010, 1, 166-192. | 1.0 | 73 |
| 56 | Genome size diversity in angiosperms and its influence on gene space. Current Opinion in Genetics and Development, 2015, 35, 73-78. | 1.5 | 73 |
| 57 | Linkage of 35S and 5S rRNA genes in Artemisia (family Asteraceae): first evidence from angiosperms. Chromosoma, 2009, 118, 85-97. | 1.0 | 72 |
| 58 | Differential impact of retrotransposon populations on the genome of allotetraploid tobacco (Nicotiana tabacum). Molecular Genetics and Genomics, 2007, 278, 1-15. | 1.0 | 70 |
| 59 | Intragenic Recombination Events and Evidence for Hybrid Speciation in Nicotiana (Solanaceae). Molecular Biology and Evolution, 2010, 27, 781-799. | 3.5 | 70 |
| 60 | Comparative genomics and repetitive sequence divergence in the species of diploidNicotianasection Alatae. Plant Journal, 2006, 48, 907-919. | 2.8 | 68 |
| 61 | Dedifferentiation of Tobacco Cells Is Associated with Ribosomal RNA Gene Hypomethylation, Increased Transcription, and Chromatin Alterations. Plant Physiology, 2005, 139, 275-286. | 2.3 | 66 |
| 62 | Genome Size Dynamics and Evolution in Monocots. Journal of Botany, 2010, 2010, 1-18. | 1.2 | 66 |
| 63 | The origin and evolution of geminivirus-related DNA sequences in Nicotiana. Heredity, 2004, 92, 352-358. | 1.2 | 65 |
| 64 | Chromosomal diversification and karyotype evolution of diploids in the cytologically diverse genus Prospero(Hyacinthaceae). BMC Evolutionary Biology, 2013, 13, 136. | 3.2 | 65 |
| 65 | Evolutionary implications of permanent odd polyploidy in the stable sexual, pentaploid of Rosa canina L. Heredity, 2005, 94, 501-506. | 1.2 | 62 |
| 66 | Similar patterns of rDNA evolution in synthetic and recently formed natural populations of Tragopogon(Asteraceae) allotetraploids. BMC Evolutionary Biology, 2010, 10, 291. | 3.2 | 62 |
| 67 | Variability in CpNpG methylation in higher plant genomes. Gene, 1997, 204, 25-33. | 1.0 | 61 |
| 68 | Genomic characterisation and the detection of raspberry chromatin in polyploid Rubus. Theoretical and Applied Genetics, 1998, 97, 1027-1033. | 1.8 | 60 |
| 69 | Next generation sequencing analysis reveals a relationship between rDNA unit diversity and locus number in Nicotiana diploids. BMC Genomics, 2012, 13, 722. | 1.2 | 60 |
| 70 | Minisatellite telomeres occur in the family Alliaceae but are lost in <i>Allium</i>. American Journal of Botany, 2006, 93, 814-823. | 0.8 | 58 |
| 71 | Concerted Evolution of rDNA in Recently Formed Tragopogon Allotetraploids Is Typically Associated With an Inverse Correlation Between Gene Copy Number and Expression. Genetics, 2007, 176, 2509-2519. | 1.2 | 58 |
| 72 | Transcription activity of rRNA genes correlates with a tendency towards intergenomic homogenization in Nicotiana allotetraploids. New Phytologist, 2007, 174, 658-668. | 3.5 | 57 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 73 | Astonishing 35S rDNA diversity in the gymnosperm species Cycas revoluta Thunb. Chromosoma, 2016, 125, 683-699. | 1.0 | 56 |
| 74 | Conversion of a RAPD-generated PCR product, containing a novel dispersed repetitive element, into a fast and robust assay for the presence of rye chromatin in wheat. Theoretical and Applied Genetics, 1995, 90, 636-642. | 1.8 | 55 |
| 75 | Aloe L. - a second plant family without (TTTAGGG) n telomeres. Chromosoma, 2000, 109, 201-205. | 1.0 | 54 |
| 76 | RECONSTRUCTING THE COMPLEX EVOLUTIONARY ORIGIN OF WILD ALLOPOLYPLOID TOBACCOS (<i>NICOTIANA</i>SECTION<i>SUAVEOLENTES</i>). Evolution; International Journal of Organic Evolution, 2013, 67, 80-94. | 1.1 | 51 |
| 77 | Characterisation of an unusual telomere motif (<scp>TTTTTTAGGG</scp>)<sub>n</sub> in the plant <i>Cestrum elegans</i> (Solanaceae), a species with a large genome. Plant Journal, 2015, 82, 644-654. | 2.8 | 51 |
| 78 | The Welwitschia genome reveals aÂunique biology underpinning extreme longevity in deserts. Nature Communications, 2021, 12, 4247. | 5.8 | 51 |
| 79 | Genome-wide repeat dynamics reflect phylogenetic distance in closely related allotetraploid Nicotiana (Solanaceae). Plant Systematics and Evolution, 2017, 303, 1013-1020. | 0.3 | 50 |
| 80 | Parental Origin and Genome Evolution in the Allopolyploid Iris versicolor. Annals of Botany, 2007, 100, 219-224. | 1.4 | 49 |
| 81 | Comparative analysis of DNA methylation in tobacco heterochromatic sequences. Chromosome Research, 2000, 8, 527-541. | 1.0 | 48 |
| 82 | Genome downsizing after polyploidy: mechanisms, rates and selection pressures. Plant Journal, 2021, 107, 1003-1015. | 2.8 | 48 |
| 83 | Angiosperms Are Unique among Land Plant Lineages in the Occurrence of Key Genes in the RNA-Directed DNA Methylation (RdDM) Pathway. Genome Biology and Evolution, 2015, 7, 2648-2662. | 1.1 | 46 |
| 84 | Chromosome arrangements in human fibroblasts at mitosis. Human Genetics, 1991, 88, 27-33. | 1.8 | 45 |
| 85 | Ribosomal DNA evolution and gene conversion in Nicotiana rustica. Heredity, 2003, 91, 268-275. | 1.2 | 45 |
| 86 | Distribution of the Tnt1 retrotransposon family in the amphidiploid tobacco (Nicotiana tabacum) and its wild Nicotiana relatives. Biological Journal of the Linnean Society, 2004, 82, 639-649. | 0.7 | 44 |
| 87 | Wild and agronomically important<i>Agave</i>species (Asparagaceae) show proportional increases in chromosome number, genome size, and genetic markers with increasing ploidy. Botanical Journal of the Linnean Society, 2008, 158, 215-222. | 0.8 | 44 |
| 88 | Using genomic repeats for phylogenomics: a case study in wild tomatoes (<i>Solanum</i>section<i>Lycopersicon</i>: Solanaceae). Biological Journal of the Linnean Society, 2016, 117, 96-105. | 0.7 | 44 |
| 89 | Exploring environmental selection on genome size in angiosperms. Trends in Plant Science, 2021, 26, 1039-1049. | 4.3 | 44 |
| 90 | Asparagales Telomerases which Synthesize the Human Type of Telomeres. Plant Molecular Biology, 2006, 60, 633-646. | 2.0 | 43 |

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|---|---|---|---|
| 91 | A genetic appraisal of a new synthetic<i>Nicotiana tabacum</i>(Solanaceae) and the Kostoff synthetic tobacco. American Journal of Botany, 2006, 93, 875-883. | 0.8 | 43 |
| 92 | Flow cytometric analysis of the chromosomes and stability of a wheat cell-culture line. Theoretical and Applied Genetics, 1997, 94, 91-97. | 1.8 | 42 |
| 93 | The signature of the Cestrum genome suggests an evolutionary response to the loss of (TTTAGGG) n telomeres. Chromosoma, 2003, 112, 164-172. | 1.0 | 42 |
| 94 | The effect of polyploidy and hybridization on the evolution of floral colour in<i>Nicotiana</i>(Solanaceae). Annals of Botany, 2015, 115, 1117-1131. | 1.4 | 41 |
| 95 | The asymmetric meiosis in pentaploid dogroses (Rosa sect. Caninae) is associated with a skewed distribution of rRNA gene families in the gametes. Heredity, 2008, 101, 359-367. | 1.2 | 39 |
| 96 | Flow cytometry and GISH reveal mixed ploidy populations and Spartina nonaploids with genomes of S. alterniflora and S. maritima origin. Annals of Botany, 2010, 105, 527-533. | 1.4 | 38 |
| 97 | Molecular analysis of holocentric centromeres of <i>Luzula</i> species. Cytogenetic and Genome Research, 2005, 109, 134-143. | 0.6 | 36 |
| 98 | Silenced rRNA genes are activated and substitute for partially eliminated active homeologs in the recently formed allotetraploid, Tragopogon mirus (Asteraceae). Heredity, 2015, 114, 356-365. | 1.2 | 35 |
| 99 | Transgressive phenotypes and generalist pollination in the floral evolution of Nicotiana polyploids. Nature Plants, 2016, 2, 16119. | 4.7 | 35 |
| 100 | The spatial localization of homologous chromosomes in human fibroblasts at mitosis. Human Genetics, 1994, 93, 275-280. | 1.8 | 34 |
| 101 | Molecular cytogenetics and tandem repeat sequence evolution in the allopolyploid <i>Nicotiana rustica</i> compared with diploid progenitors <i>N. paniculata</i> and <i>N. undulata</i>. Cytogenetic and Genome Research, 2005, 109, 298-309. | 0.6 | 34 |
| 102 | Chromosome and genome size variation in<i>Luzula</i>(Juncaceae), a genus with holocentric chromosomes. Botanical Journal of the Linnean Society, 2012, 170, 529-541. | 0.8 | 33 |
| 103 | Endogenous pararetrovirus sequences associated with 24Ânt small <scp>RNA</scp>s at the centromeres of <i>Fritillaria imperialis </i><scp>L</scp>. (<scp>L</scp>iliaceae), a species with a giant genome. Plant Journal, 2014, 80, 823-833. | 2.8 | 32 |
| 104 | Molecular cytogenetic analysis of repeated sequences in a long term wheat suspension culture. Plant Cell, Tissue and Organ Culture, 1993, 33, 287-296. | 1.2 | 30 |
| 105 | The promise of genomics in the study of plant-pollinator interactions. Genome Biology, 2013, 14, 207. | 3.8 | 29 |
| 106 | Postoperative continuous positive airway pressure to prevent pneumonia, re-intubation, and death after major abdominal surgery (PRISM): a multicentre, open-label, randomised, phase 3 trial. Lancet Respiratory Medicine,the, 2021, 9, 1221-1230. | 5.2 | 29 |
| 107 | Differential Dynamics of Transposable Elements during Long-Term Diploidization of Nicotiana Section Repandae (Solanaceae) Allopolyploid Genomes. PLoS ONE, 2012, 7, e50352. | 1.1 | 29 |
| 108 | Calculate the QT interval in patients taking drugs for dementia. BMJ: British Medical Journal, 2007, 335, 557. | 2.4 | 28 |

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|---|---|---|---|
| 109 | Concerted evolution rapidly eliminates sequence variation in rDNA coding regions but not in intergenic spacers in Nicotiana tabacum allotetraploid. Plant Systematics and Evolution, 2017, 303, 1043-1060. | 0.3 | 28 |
| 110 | Why size really matters when sequencing plant genomes. Plant Ecology and Diversity, 2012, 5, 415-425. | 1.0 | 27 |
| 111 | Multiple Origins and Nested Cycles of Hybridization Result in High Tetraploid Diversity in the Monocot Prospero. Frontiers in Plant Science, 2018, 9, 433. | 1.7 | 27 |
| 112 | Parental transposable element loads influence their dynamics in young <i>Nicotiana</i> hybrids and allotetraploids. New Phytologist, 2019, 221, 1619-1633. | 3.5 | 23 |
| 113 | Remarkable variation of ribosomal DNA organization and copy number in gnetophytes, a distinct lineage of gymnosperms. Annals of Botany, 2019, 123, 767-781. | 1.4 | 23 |
| 114 | The volumes and morphology of human chromosomes in mitotic reconstructions. Human Genetics, 1989, 84, 27-34. | 1.8 | 22 |
| 115 | An evolutionary change in telomere sequence motif within the plant section Asparagales had significance for telomere nucleoprotein complexes. Cytogenetic and Genome Research, 2004, 107, 132-138. | 0.6 | 21 |
| 116 | Chromosome studies in Orchidaceae: karyotype divergence in Neotropical genera in subtribe Maxillariinae. Botanical Journal of the Linnean Society, 2012, 170, 29-39. | 0.8 | 20 |
| 117 | The distribution of a spliceosome protein in cereal (Triticeae) interphase nuclei from cells with different metabolic activities and through the cell cycle. Plant Journal, 1995, 8, 531-540. | 2.8 | 19 |
| 118 | Persistence, dispersal and genetic evolution of recently formed Spartina homoploid hybrids and allopolyploids in Southern England. Biological Invasions, 2016, 18, 2137-2151. | 1.2 | 19 |
| 119 | Extensive plastid-nuclear discordance in a recent radiation of Nicotiana section Suaveolentes (Solanaceae). Botanical Journal of the Linnean Society, 2020, 193, 546-559. | 0.8 | 19 |
| 120 | Evolutionary and functional potential of ploidy increase within individual plants: somatic ploidy mapping of the complex labellum of sexually deceptive bee orchids. Annals of Botany, 2018, 122, 133-150. | 1.4 | 17 |
| 121 | Origin and parental genome characterization of the allotetraploid<i>Stylosanthes scabra</i>Vogel (Papilionoideae, Leguminosae), an important legume pasture crop. Annals of Botany, 2018, 122, 1143-1159. | 1.4 | 17 |
| 122 | Single Integration and Spread of a <i>Copia</i>-Like Sequence Nested in rDNA Intergenic Spacers of <i>Allium cernuum </i>(Alliaceae). Cytogenetic and Genome Research, 2010, 129, 35-46. | 0.6 | 16 |
| 123 | Interactions between plant genome size, nutrients and herbivory by rabbits, molluscs and insects on a temperate grassland. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182619. | 1.2 | 16 |
| 124 | Down, then up: non-parallel genome size changes and a descending chromosome series in a recent radiation of the Australian allotetraploid plant species, <i>Nicotiana</i> section <i>Suaveolentes</i> (Solanaceae). Annals of Botany, 2023, 131, 123-142. | 1.4 | 16 |
| 125 | Molecular structure and chromosome distribution of three repetitive DNA families in Anemone hortensis L. (Ranunculaceae). Chromosome Research, 2009, 17, 331-346. | 1.0 | 15 |
| 126 | A plant culture (BY-2) widely used in molecular and cell studies is genetically unstable and highly heterogeneous. Botanical Journal of the Linnean Society, 2012, 170, 459-471. | 0.8 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Satellite DNA in Paphiopedilum subgenus Parvisepalum as revealed by high-throughput sequencing and fluorescent in situ hybridization. BMC Genomics, 2018, 19, 578. | 1.2 | 15 |
| 128 | Nuclear differentiation in the filamentous caulonema of the moss Funaria hygrometrica. New Phytologist, 1995, 131, 543-556. | 3.5 | 14 |
| 129 | The use of fluorochromes in the cytogenetics of the small-grained cereals (Triticeae). The Histochemical Journal, 1994, 26, 471-479. | 0.6 | 12 |
| 130 | Analysis of two abundant, highly related satellites in the allotetraploid Nicotiana arentsii using double-strand conformation polymorphism analysis and sequencing. New Phytologist, 2011, 192, 747-759. | 3.5 | 12 |
| 131 | Impact of genomic diversity in river ecosystems. Trends in Plant Science, 2014, 19, 361-366. | 4.3 | 12 |
| 132 | Techniques in plant telomere biology. BioTechniques, 2005, 38, 233-243. | 0.8 | 11 |
| 133 | Ribosomal RNA genes evolution in <i>Tragopogon</i>: A story of New and Old World allotetraploids and the synthetic lines. Taxon, 2011, 60, 348-354. | 0.4 | 11 |
| 134 | The correlation of phylogenetics, elevation and ploidy on the incidence of apomixis in Asteraceae in the European Alps. Botanical Journal of the Linnean Society, 2020, 194, 410-422. | 0.8 | 11 |
| 135 | NUCLEAR CYTOPLASMIC INTERACTION HYPOTHESIS AND THE ROLE OF TRANSLOCATIONS IN NICOTIANA ALLOPOLYPLOIDS. , 2006, , 319-326. | | 9 |
| 136 | Early consequences of allopolyploidy alter floral evolution in Nicotiana (Solanaceae). BMC Plant Biology, 2019, 19, 162. | 1.6 | 9 |
| 137 | Evolutionary dynamics of transposable elements and satellite DNAs in polyploid Spartina species. Plant Science, 2021, 302, 110671. | 1.7 | 9 |
| 138 | Microsatellites and petal morphology reveal new patterns of admixture in Orchis hybrid zones. American Journal of Botany, 2021, 108, 1388-1404. | 0.8 | 9 |
| 139 | The influence of 5-azacytidine on the condensation of the short arm of rye chromosome 1R in Triticum aestivum L. root tip meristematic nuclei. Chromosoma, 1997, 106, 485-492. | 1.0 | 7 |
| 140 | Fluorescent in situ hybridization and characterization of the <i>Sal</i>I family of satellite repeats in the <i>Haliotis</i> L. species (abalone) of the Northeast Pacific. Genome, 2008, 51, 570-579. | 0.9 | 7 |
| 141 | Potential of Herbariomics for Studying Repetitive DNA in Angiosperms. Frontiers in Ecology and Evolution, 2018, 6, . | 1.1 | 7 |
| 142 | The role of DNA methylation on nuclear and cell differentiation in the filamentous caulonema of the moss Funaria hygrometrica. New Phytologist, 1998, 138, 567-577. | 3.5 | 6 |
| 143 | Evolutionary Implications of Genome and Karyotype Restructuring in Nicotiana tabacum L. , 2012, , 209-224. | | 6 |
| 144 | 250 years of hybridization between two biennial herb species without speciation. AoB PLANTS, 2015, 7, plv081. | 1.2 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Repetitive DNA Restructuring Across Multiple Nicotiana Allopolyploidisation Events Shows a Lack of Strong Cytoplasmic Bias in Influencing Repeat Turnover. Genes, 2020, 11, 216. | 1.0 | 6 |
| 146 | Genome Insights into Autopolyploid Evolution: A Case Study in Senecio doronicum (Asteraceae) from the Southern Alps. Plants, 2022, 11, 1235. | 1.6 | 6 |
| 147 | Patterns of telomere length with age in African mole-rats: New insights from quantitative fluorescence in situ hybridisation (qFISH). PeerJ, 2020, 8, e10498. | 0.9 | 5 |
| 148 | Conserved gene order belies rapid genome turnover: The dynamic interplay between genomic DNA and the outside world. Heredity, 2007, 98, 61-62. | 1.2 | 4 |
| 149 | The influence of 5-azacytidine on the condensation of the short arm of rye chromosome 1R in. Chromosoma, 1997, 106, 485. | 1.0 | 4 |
| 150 | Repetitive DNA Dynamics and Polyploidization in the Genus Nicotiana (Solanaceae). Compendium of Plant Genomes, 2020, , 85-99. | 0.3 | 4 |
| 151 | Molecular cytogenetic studies in rubber, <i>Hevea brasiliensis</i> Muell. Arg. (Euphorbiaceae). Genome, 1998, 41, 464-467. | 0.9 | 3 |
| 152 | Chromosomal and molecular characterization of 5S rRNA genes in the North American abalones Haliotis rufescens Swainson (red abalone) and H. fulgens Philippi (blue abalone). Gene, 2019, 695, 65-74. | 1.0 | 1 |
| 153 | Plant Genome: Biodiversity and Evolution. Volume 1, Part A: Phanerogams. Edited by AÂKÂ Sharma and , AÂ Sharma. Enfield (New Hampshire): Science Publishers. $125.00. xiv + 386 p + 1 foldout; ill.; authors index. ISBN: 1â€“57808â€“238â€“2. 2003.. Quarterly Review of Biology, 2004, 79, 305-306. | 0.0 | 0 |
| 154 | Plant genomes. Genome dynamics vol. 4. Annals of Botany, 2009, 104, viii-viii. | 1.4 | 0 |