

Levi Yant

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

5,916
citations

117625

34
h-index

149698

56
g-index

73
all docs

73
docs citations

73
times ranked

7269
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The selenoprotein GPX4 is essential for mouse development and protects from radiation and oxidative damage insults. <i>Free Radical Biology and Medicine</i> , 2003, 34, 496-502. | 2.9 | 615 |
| 2 | Orchestration of the Floral Transition and Floral Development in <i>Arabidopsis</i> by the Bifunctional Transcription Factor APETALA2. <i>Plant Cell</i> , 2010, 22, 2156-2170. | 6.6 | 427 |
| 3 | Temperature-dependent regulation of flowering by antagonistic FLM variants. <i>Nature</i> , 2013, 503, 414-417. | 27.8 | 409 |
| 4 | Repression of Flowering by the miR172 Target SMZ. <i>PLoS Biology</i> , 2009, 7, e1000148. | 5.6 | 382 |
| 5 | Reversion of CTL escape variant immunodeficiency viruses in vivo. <i>Nature Medicine</i> , 2004, 10, 275-281. | 30.7 | 349 |
| 6 | The High-Frequency Major Histocompatibility Complex Class I Allele Mamu-B * 17 Is Associated with Control of Simian Immunodeficiency Virus SIVmac239 Replication. <i>Journal of Virology</i> , 2006, 80, 5074-5077. | 3.4 | 266 |
| 7 | Vaccine-Induced Cellular Immune Responses Reduce Plasma Viral Concentrations after Repeated Low-Dose Challenge with Pathogenic Simian Immunodeficiency Virus SIVmac239. <i>Journal of Virology</i> , 2006, 80, 5875-5885. | 3.4 | 237 |
| 8 | Meiotic Adaptation to Genome Duplication in <i>Arabidopsis arenosa</i> . <i>Current Biology</i> , 2013, 23, 2151-2156. | 3.9 | 217 |
| 9 | Subdominant CD8 + T-Cell Responses Are Involved in Durable Control of AIDS Virus Replication. <i>Journal of Virology</i> , 2007, 81, 3465-3476. | 3.4 | 199 |
| 10 | Local-Scale Patterns of Genetic Variability, Outcrossing, and Spatial Structure in Natural Stands of <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2010, 6, e1000890. | 3.5 | 172 |
| 11 | Genetic Architecture of Flowering-Time Variation in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2011, 188, 421-433. | 2.9 | 160 |
| 12 | The recombination landscape in <i>Arabidopsis thaliana</i> F2 populations. <i>Heredity</i> , 2012, 108, 447-455. | 2.6 | 155 |
| 13 | Prediction of Regulatory Interactions from Genome Sequences Using a Biophysical Model for the <i>Arabidopsis</i> LEAFY Transcription Factor. <i>Plant Cell</i> , 2011, 23, 1293-1306. | 6.6 | 148 |
| 14 | Meiosis evolves: adaptation to external and internal environments. <i>New Phytologist</i> , 2015, 208, 306-323. | 7.3 | 148 |
| 15 | Borrowed alleles and convergence in serpentine adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8320-8325. | 7.1 | 147 |
| 16 | The "Polyploid Hop": Shifting Challenges and Opportunities Over the Evolutionary Lifespan of Genome Duplications. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, . | 2.2 | 136 |
| 17 | FT Modulates Genome-Wide DNA-Binding of the bZIP Transcription Factor FD. <i>Plant Physiology</i> , 2019, 180, 367-380. | 4.8 | 115 |
| 18 | Pervasive population genomic consequences of genome duplication in <i>Arabidopsis arenosa</i> . <i>Nature Ecology and Evolution</i> , 2019, 3, 457-468. | 7.8 | 102 |

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|----|---|------|-----------|
| 19 | Extraepitopic Compensatory Substitutions Partially Restore Fitness to Simian Immunodeficiency Virus Variants That Escape from an Immunodominant Cytotoxic-T-Lymphocyte Response. <i>Journal of Virology</i> , 2004, 78, 2581-2585. | 3.4 | 99 |
| 20 | Repeated Low-Dose Mucosal Simian Immunodeficiency Virus SIVmac239 Challenge Results in the Same Viral and Immunological Kinetics as High-Dose Challenge: a Model for the Evaluation of Vaccine Efficacy in Nonhuman Primates. <i>Journal of Virology</i> , 2004, 78, 3140-3144. | 3.4 | 95 |
| 21 | The end of innocence: flowering networks explode in complexity. <i>Current Opinion in Plant Biology</i> , 2012, 15, 45-50. | 7.1 | 93 |
| 22 | A Dominant Role for CD8 + T-Lymphocyte Selection in Simian Immunodeficiency Virus Sequence Variation. <i>Journal of Virology</i> , 2004, 78, 14012-14022. | 3.4 | 89 |
| 23 | The floral homeotic protein APETALA2 recognizes and acts through an AT-rich sequence element. <i>Development (Cambridge)</i> , 2012, 139, 1978-1986. | 2.5 | 87 |
| 24 | Just say no: floral repressors help Arabidopsis bide the time. <i>Current Opinion in Plant Biology</i> , 2009, 12, 580-586. | 7.1 | 68 |
| 25 | Interspecific introgression mediates adaptation to whole genome duplication. <i>Nature Communications</i> , 2019, 10, 5218. | 12.8 | 59 |
| 26 | Comprehensive Immunological Evaluation Reveals Surprisingly Few Differences between Elite Controller and Progressor Mamu-B*17-Positive Simian Immunodeficiency Virus-Infected Rhesus Macaques. <i>Journal of Virology</i> , 2008, 82, 5245-5254. | 3.4 | 56 |
| 27 | Tat 28-35 SL8-Specific CD8 + T Lymphocytes Are More Effective than Gag 181-189 CM9-Specific CD8 + T Lymphocytes at Suppressing Simian Immunodeficiency Virus Replication in a Functional In Vitro Assay. <i>Journal of Virology</i> , 2005, 79, 14986-14991. | 3.4 | 53 |
| 28 | Molecular basis for three-dimensional elaboration of the <i>Aquilegia</i> petal spur. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142778. | 2.6 | 51 |
| 29 | Formation and diversification of a paradigm biosynthetic gene cluster in plants. <i>Nature Communications</i> , 2020, 11, 5354. | 12.8 | 50 |
| 30 | Fluctuating selection on migrant adaptive sodium transporter alleles in coastal <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E12443-E12452. | 7.1 | 44 |
| 31 | Convergent evolution in <i>Arabidopsis halleri</i> and <i>Arabidopsis arenosa</i> on calamine metalliferous soils. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180243. | 4.0 | 43 |
| 32 | Control of Simian Immunodeficiency Virus SIVmac239 Is Not Predicted by Inheritance of Mamu-B * 17-Containing Haplotypes. <i>Journal of Virology</i> , 2007, 81, 406-410. | 3.4 | 40 |
| 33 | The genome-wide impact of cadmium on microRNA and mRNA expression in contrasting Cd responsive wheat genotypes. <i>BMC Genomics</i> , 2019, 20, 615. | 2.8 | 40 |
| 34 | Polyploidy breaks speciation barriers in Australian burrowing frogs <i>Neobatrachus</i> . <i>PLoS Genetics</i> , 2020, 16, e1008769. | 3.5 | 40 |
| 35 | Polyploidy underlies co-option and diversification of biosynthetic triterpene pathways in the apple tribe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 37 |
| 36 | Consequences of Cytotoxic T-Lymphocyte Escape: Common Escape Mutations in Simian Immunodeficiency Virus Are Poorly Recognized in Naïve Hosts. <i>Journal of Virology</i> , 2004, 78, 10064-10073. | 3.4 | 35 |

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|----|---|------|-----------|
| 37 | Genome management and mismanagementâ€”cell-level opportunities and challenges of whole-genome duplication. <i>Genes and Development</i> , 2015, 29, 2405-2419. | 5.9 | 33 |
| 38 | Genome-wide identification, phylogenetic and expression analysis of the heat shock transcription factor family in bread wheat (<i>Triticum aestivum</i> L.). <i>BMC Genomics</i> , 2019, 20, 505. | 2.8 | 33 |
| 39 | Adaptive introgression: how polyploidy reshapes gene flow landscapes. <i>New Phytologist</i> , 2021, 230, 457-461. | 7.3 | 31 |
| 40 | Understanding the development and evolution of novel floral form in <i>Aquilegia</i> . <i>Current Opinion in Plant Biology</i> , 2014, 17, 22-27. | 7.1 | 30 |
| 41 | A novel allele of <i>ASY3</i> is associated with greater meiotic stability in autotetraploid <i>Arabidopsis lyrata</i> . <i>PLoS Genetics</i> , 2020, 16, e1008900. | 3.5 | 26 |
| 42 | Genomic studies of adaptive evolution in outcrossing <i>Arabidopsis</i> species. <i>Current Opinion in Plant Biology</i> , 2017, 36, 9-14. | 7.1 | 25 |
| 43 | Hybrids and horizontal transfer: introgression allows adaptive allele discovery. <i>Journal of Experimental Botany</i> , 2017, 68, 5453-5470. | 4.8 | 24 |
| 44 | Population genomic and historical analysis suggests a global invasion by bridgehead processes in <i>Mimulus guttatus</i> . <i>Communications Biology</i> , 2021, 4, 327. | 4.4 | 24 |
| 45 | Maintenance of Adaptive Dynamics and No Detectable Load in a Range-Edge Outcrossing Plant Population. <i>Molecular Biology and Evolution</i> , 2021, 38, 1820-1836. | 8.9 | 24 |
| 46 | Novelty and Convergence in Adaptation to Whole Genome Duplication. <i>Molecular Biology and Evolution</i> , 2021, 38, 3910-3924. | 8.9 | 22 |
| 47 | Parallel adaptation in autopolyploid <i>Arabidopsis arenosa</i> is dominated by repeated recruitment of shared alleles. <i>Nature Communications</i> , 2021, 12, 4979. | 12.8 | 22 |
| 48 | Circular <i>scnRNA</i> in disease: Basic properties and biomedical relevance. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1723. | 6.4 | 21 |
| 49 | De Novo Mutation and Rapid Protein (Co-)evolution during Meiotic Adaptation in <i>Arabidopsis arenosa</i> . <i>Molecular Biology and Evolution</i> , 2021, 38, 1980-1994. | 8.9 | 18 |
| 50 | The Evolutionary Genomics of Serpentine Adaptation. <i>Frontiers in Plant Science</i> , 2020, 11, 574616. | 3.6 | 17 |
| 51 | Genome-wide mapping of transcription factor binding reveals developmental process integration and a fresh look at evolutionary dynamics. <i>American Journal of Botany</i> , 2012, 99, 277-290. | 1.7 | 12 |
| 52 | Transposable element annotation in non-model species: The benefits of species-specific repeat libraries using semi-automated EDTA and DeepTE de novo pipelines. <i>Molecular Ecology Resources</i> , 2022, 22, 823-833. | 4.8 | 10 |
| 53 | Adaptation to coastal soils through pleiotropic boosting of ion and stress hormone concentrations in wild <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2021, 232, 208-220. | 7.3 | 9 |
| 54 | Evolutionary footprints of a cold relic in a rapidly warming world. <i>ELife</i> , 2021, 10, . | 6.0 | 5 |

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|----|--|-----|-----------|
| 55 | DNA-Binding Factor Target Identification by Chromatin Immunoprecipitation (ChIP) in Plants. <i>Methods in Molecular Biology</i> , 2016, 1363, 25-35. | 0.9 | 3 |
| 56 | When two is a crowd: mitochondrial genome merger and its aftermath. <i>New Phytologist</i> , 2015, 206, 8-9. | 7.3 | 0 |
| 57 | Help or hindrance? The evolutionary impact of whole-genome duplication on immunogenetic diversity and parasite load. <i>Ecology and Evolution</i> , 2020, 10, 13949-13956. | 1.9 | 0 |