

Dominik G Grimm

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

3,821
citations

331670

21
h-index

414414

32
g-index

41
all docs

41
docs citations

41
times ranked

6447
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 1,135 Genomes Reveal the Global Pattern of Polymorphism in <i>Arabidopsis thaliana</i> . <i>Cell</i> , 2016, 166, 481-491. | 28.9 | 1,107 |
| 2 | Epigenomic Diversity in a Global Collection of <i>Arabidopsis thaliana</i> Accessions. <i>Cell</i> , 2016, 166, 492-505. | 28.9 | 594 |
| 3 | The Evaluation of Tools Used to Predict the Impact of Missense Variants Is Hindered by Two Types of Circularity. <i>Human Mutation</i> , 2015, 36, 513-523. | 2.5 | 283 |
| 4 | Current challenges and best-practice protocols for microbiome analysis. <i>Briefings in Bioinformatics</i> , 2021, 22, 178-193. | 6.5 | 268 |
| 5 | Genome-wide analysis of local chromatin packing in <i>Arabidopsis thaliana</i> . <i>Genome Research</i> , 2015, 25, 246-256. | 5.5 | 254 |
| 6 | Improved EGFR mutation detection using combined exosomal RNA and circulating tumor DNA in NSCLC patient plasma. <i>Annals of Oncology</i> , 2018, 29, 700-706. | 1.2 | 187 |
| 7 | Exosome-Based Detection of EGFR T790M in Plasma from Non-Small Cell Lung Cancer Patients. <i>Clinical Cancer Research</i> , 2018, 24, 2944-2950. | 7.0 | 157 |
| 8 | The rate and potential relevance of new mutations in a colonizing plant lineage. <i>PLoS Genetics</i> , 2018, 14, e1007155. | 3.5 | 116 |
| 9 | easyGWAS: A Cloud-Based Platform for Comparing the Results of Genome-Wide Association Studies. <i>Plant Cell</i> , 2017, 29, 5-19. | 6.6 | 98 |
| 10 | AraPheno: a public database for <i>Arabidopsis thaliana</i> phenotypes. <i>Nucleic Acids Research</i> , 2017, 45, D1054-D1059. | 14.5 | 91 |
| 11 | Prediction of human population responses to toxic compounds by a collaborative competition. <i>Nature Biotechnology</i> , 2015, 33, 933-940. | 17.5 | 88 |
| 12 | The AraGWAS Catalog: a curated and standardized <i>Arabidopsis thaliana</i> GWAS catalog. <i>Nucleic Acids Research</i> , 2018, 46, D1150-D1156. | 14.5 | 83 |
| 13 | Genetic architecture of nonadditive inheritance in <i>Arabidopsis thaliana</i> hybrids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7317-E7326. | 7.1 | 58 |
| 14 | Efficient network-guided multi-locus association mapping with graph cuts. <i>Bioinformatics</i> , 2013, 29, i171-i179. | 4.1 | 52 |
| 15 | AraPheno and the AraGWAS Catalog 2020: a major database update including RNA-Seq and knockout mutation data for <i>Arabidopsis thaliana</i> . <i>Nucleic Acids Research</i> , 2020, 48, D1063-D1068. | 14.5 | 44 |
| 16 | Accurate machine learning-based germination detection, prediction and quality assessment of three grain crops. <i>Plant Methods</i> , 2020, 16, 157. | 4.3 | 41 |
| 17 | The AIMe registry for artificial intelligence in biomedical research. <i>Nature Methods</i> , 2021, 18, 1128-1131. | 19.0 | 38 |
| 18 | Exosome-based detection of activating and resistance EGFR mutations from plasma of non-small cell lung cancer patients. <i>Oncotarget</i> , 2019, 10, 2911-2920. | 1.8 | 35 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Genomic Profiles of Diversification and Genotype-Phenotype Association in Island Nematode Lineages. <i>Molecular Biology and Evolution</i> , 2016, 33, 2257-2272. | 8.9 | 31 |
| 20 | Linking Genomic and Metabolomic Natural Variation Uncovers Nematode Pheromone Biosynthesis. <i>Cell Chemical Biology</i> , 2018, 25, 787-796.e12. | 5.2 | 31 |
| 21 | Accurate indel prediction using paired-end short reads. <i>BMC Genomics</i> , 2013, 14, 132. | 2.8 | 30 |
| 22 | Genome-wide detection of intervals of genetic heterogeneity associated with complex traits. <i>Bioinformatics</i> , 2015, 31, i240-i249. | 4.1 | 23 |
| 23 | Large expert-curated database for benchmarking document similarity detection in biomedical literature search. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, . | 3.0 | 15 |
| 24 | Machine Learning Outperforms Classical Forecasting on Horticultural Sales Predictions. <i>Machine Learning With Applications</i> , 2022, 7, 100239. | 4.4 | 14 |
| 25 | Automated Flowsheet Synthesis Using Hierarchical Reinforcement Learning: Proof of Concept. <i>Chemie-Ingenieur-Technik</i> , 2021, 93, 2010-2018. | 0.8 | 12 |
| 26 | Methods and Tools in Genome-wide Association Studies. <i>Methods in Molecular Biology</i> , 2018, 1819, 93-136. | 0.9 | 11 |
| 27 | Genetic Characterization of Rat Hepatic Stellate Cell Line HSC-T6 for In Vitro Cell Line Authentication. <i>Cells</i> , 2022, 11, 1783. | 4.1 | 11 |
| 28 | Automated synthesis of steady-state continuous processes using reinforcement learning. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 288-302. | 4.4 | 10 |
| 29 | Network-guided search for genetic heterogeneity between gene pairs. <i>Bioinformatics</i> , 2021, 37, 57-65. | 4.1 | 9 |
| 30 | Geometric Tree Kernels: Classification of COPD from Airway Tree Geometry. <i>Lecture Notes in Computer Science</i> , 2013, 23, 171-183. | 1.3 | 8 |
| 31 | Multi-Task Feature Selection on Multiple Networks via Maximum Flows. , 2014, , . | | 7 |
| 32 | Computational inference of difficult word boundaries in DNA languages. , 2011, , . | | 1 |
| 33 | Automated Process Synthesis Using Reinforcement Learning. <i>Computer Aided Chemical Engineering</i> , 2021, 50, 209-214. | 0.5 | 1 |
| 34 | Plasma EGFR T790M mutation detection in NSCLC patients using a combined exosomal RNA and circulating tumor DNA qPCR assay. <i>European Journal of Cancer</i> , 2016, 69, S3. | 2.8 | 0 |
| 35 | Design and Analysis of RNA Sequencing Data. <i>Learning Materials in Biosciences</i> , 2021, , 143-175. | 0.4 | 0 |
| 36 | Abstract 5686: Long RNA sequencing of human plasma exosomes reveals full coverage of diverse protein coding and long non coding RNA. , 2017, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 37 | Abstract LB-B03: Exosome-based Detection ofEGFRT790M in Plasma from Non-Small Cell Lung Cancer Patients. , 2018, , . | | 0 |