Steven J Knapp

List of Publications by Year in descending order

28 papers	2,160 citations	516710 16 h-index	454955 30 g-index
42 all docs	42 docs citations	42 times ranked	2352 citing authors

#	Article	IF	Citations
1	Genomic prediction of strawberry resistance to postharvest fruit decay caused by the fungal pathogenBotrytis cinerea. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	19
2	Average semivariance directly yields accurate estimates of the genomic variance in complex trait analyses. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	7
3	Novel Fusarium wilt resistance genes uncovered in natural and cultivated strawberry populations are found on three non-homoeologous chromosomes. Theoretical and Applied Genetics, 2022, 135, 2121-2145.	3.6	8
4	Horizontal chromosome transfer and independent evolution drive diversification in Fusarium oxysporum f. sp. fragariae. New Phytologist, 2021, 230, 327-340.	7.3	26
5	Unraveling the Complex Hybrid Ancestry and Domestication History of Cultivated Strawberry. Molecular Biology and Evolution, 2021, 38, 2285-2305.	8.9	48
6	Discovery of three loci increasing resistance to charcoal rot caused by Macrophomina phaseolina in octoploid strawberry. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	12
7	Social network analysis of the genealogy of strawberry: retracing the wild roots of heirloom and modern cultivars. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	19
8	Chromosome-Scale Genome for a Red-Fruited, Perpetual Flowering and Runnerless Woodland Strawberry (Fragaria vesca). Frontiers in Genetics, 2021, 12, 671371.	2.3	8
9	Average semivariance yields accurate estimates of the fraction of marker-associated genetic variance and heritability in complex trait analyses. PLoS Genetics, 2021, 17, e1009762.	3.5	12
10	Evolutionary history and pan-genome dynamics of strawberry (Fragaria spp.). Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	43
11	Diversification, spread, and admixture of octoploid strawberry in the Western Hemisphere. American Journal of Botany, 2021, 108, 2269-2281.	1.7	8
12	Reply to: Revisiting the origin of octoploid strawberry. Nature Genetics, 2020, 52, 5-7.	21.4	44
13	Highly accurate long-read HiFi sequencing data for five complex genomes. Scientific Data, 2020, 7, 399.	5.3	155
14	Multi-dimensional machine learning approaches for fruit shape phenotyping in strawberry. GigaScience, 2020, 9, .	6.4	29
15	Accuracy of genomic selection and longâ€term genetic gain for resistance to Verticillium wilt in strawberry. Plant Genome, 2020, 13, e20054.	2.8	24
16	A roadmap for research in octoploid strawberry. Horticulture Research, 2020, 7, 33.	6.3	47
17	Allelic Variation of MYB10 Is the Major Force Controlling Natural Variation in Skin and Flesh Color in Strawberry (Fragaria spp.) Fruit. Plant Cell, 2020, 32, 3723-3749.	6.6	111
18	Grey mould of strawberry, a devastating disease caused by the ubiquitous necrotrophic fungal pathogen Botrytis cinerea. Molecular Plant Pathology, 2019, 20, 877-892.	4.2	222

#	Article	IF	Citations
19	Origin and evolution of the octoploid strawberry genome. Nature Genetics, 2019, 51, 541-547.	21.4	469
20	Infection Strategies Deployed by Botrytis cinerea, Fusarium acuminatum, and Rhizopus stolonifer as a Function of Tomato Fruit Ripening Stage. Frontiers in Plant Science, 2019, 10, 223.	3.6	58
21	Disease Resistance Genetics and Genomics in Octoploid Strawberry. G3: Genes, Genomes, Genetics, 2019, 9, 3315-3332.	1.8	26
22	Genome Synteny Has Been Conserved Among the Octoploid Progenitors of Cultivated Strawberry Over Millions of Years of Evolution. Frontiers in Plant Science, 2019, 10, 1789.	3.6	73
23	The Strawberry DNA Testing Handbook. Hortscience: A Publication of the American Society for Hortcultural Science, 2019, 54, 2267-2270.	1.0	10
24	Genome-Wide Association Mapping Uncovers Fw1, a Dominant Gene Conferring Resistance to Fusarium Wilt in Strawberry. G3: Genes, Genomes, Genetics, 2018, 8, 1817-1828.	1.8	50
25	Single-molecule sequencing and optical mapping yields an improved genome of woodland strawberry (Fragaria vesca) with chromosome-scale contiguity. GigaScience, 2018, 7, 1-7.	6.4	209
26	Domestication of Temperate and Coastal Hybrids with Distinct Ancestral Gene Selection in Octoploid Strawberry. Plant Genome, 2018, 11, 180049.	2.8	29
27	A Genomic Scan for Selection Reveals Candidates for Genes Involved in the Evolution of Cultivated Sunflower (Helianthus annuus). Plant Cell, 2008, 20, 2931-2945.	6.6	269
28	Quantitative Trait Loci for Genetically Correlated Seed Traits are Tightly Linked to Branching and Pericarp Pigment Loci in Sunflower. Crop Science, 2006, 46, 721-734.	1.8	83