

# Charles J Underwood

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/349706/publications.pdf>

Version: 2024-02-01

17  
papers

2,339  
citations

687363

13  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

4229  
citing authors

#	ARTICLE	IF	CITATIONS
1	GenomeScope: fast reference-free genome profiling from short reads. <i>Bioinformatics</i> , 2017, 33, 2202-2204.	4.1	1,183
2	Nucleosomes and DNA methylation shape meiotic DSB frequency in <i>Arabidopsis thaliana</i> transposons and gene regulatory regions. <i>Genome Research</i> , 2018, 28, 532-546.	5.5	190
3	Selective Methylation of Histone H3 Variant H3.1 Regulates Heterochromatin Replication. <i>Science</i> , 2014, 343, 1249-1253.	12.6	165
4	Natural variation and dosage of the HEI10 meiotic E3 ligase control <i>Arabidopsis</i> crossover recombination. <i>Genes and Development</i> , 2017, 31, 306-317.	5.9	147
5	Epigenetic activation of meiotic recombination near <i>Arabidopsis thaliana</i> centromeres via loss of H3K9me2 and non-CG DNA methylation. <i>Genome Research</i> , 2018, 28, 519-531.	5.5	138
6	Massive crossover elevation via combination of <i>HEI10</i> and <i>recq4a recq4b</i> during <i>Arabidopsis</i> meiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2437-2442.	7.1	107
7	Recombination Rate Heterogeneity within <i>Arabidopsis</i> Disease Resistance Genes. <i>PLoS Genetics</i> , 2016, 12, e1006179.	3.5	94
8	Genetic and epigenetic variation of transposable elements in <i>Arabidopsis</i> . <i>Current Opinion in Plant Biology</i> , 2017, 36, 135-141.	7.1	79
9	A PARTHENOGENESIS allele from apomictic dandelion can induce egg cell division without fertilization in lettuce. <i>Nature Genetics</i> , 2022, 54, 84-93.	21.4	56
10	Regulation of microRNA-mediated developmental changes by the SWR1 chromatin remodeling complex in <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 2016, 171, pp.00332.2016.	4.8	36
11	A chromosome scale tomato genome built from complementary PacBio and Nanopore sequences alone reveals extensive linkage drag during breeding. <i>Plant Journal</i> , 2022, 110, 572-588.	5.7	29
12	Heterogeneous transposable elements as silencers, enhancers and targets of meiotic recombination. <i>Chromosoma</i> , 2019, 128, 279-296.	2.2	28
13	Engineering Apomixis: Clonal Seeds Approaching the Fields. <i>Annual Review of Plant Biology</i> , 2022, 73, 201-225.	18.7	24
14	Natural variation identifies SNI1, the SMC5/6 component, as a modifier of meiotic crossover in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	16
15	Meiosis in crops: from genes to genomes. <i>Journal of Experimental Botany</i> , 2021, 72, 6091-6109.	4.8	15
16	The emerging role of small RNAs in ovule development, a kind of magic. <i>Plant Reproduction</i> , 2021, 34, 335-351.	2.2	11
17	Argonauts team up to silence transposable elements in <i>Arabidopsis</i> . <i>EMBO Journal</i> , 2015, 34, 579-580.	7.8	2