

# Douglas G Scofield

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

2,962  
citations

279798

23  
h-index

315739

38  
g-index

49  
all docs

49  
docs citations

49  
times ranked

4978  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Norway spruce genome sequence and conifer genome evolution. <i>Nature</i> , 2013, 497, 579-584.	27.8	1,303
2	Intron Size, Abundance, and Distribution within Untranslated Regions of Genes. <i>Molecular Biology and Evolution</i> , 2006, 23, 2392-2404.	8.9	154
3	Mitosis, stature and evolution of plant mating systems: low- $\hat{t}$ and high- $\hat{t}$ plants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 275-282.	2.6	100
4	Natural Selection and Recombination Rate Variation Shape Nucleotide Polymorphism Across the Genomes of Three Related <i>Populus</i> Species. <i>Genetics</i> , 2016, 202, 1185-1200.	2.9	93
5	Functional and evolutionary genomic inferences in <i>Populus</i> through genome and population sequencing of American and European aspen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10970-E10978.	7.1	84
6	Variation in Linked Selection and Recombination Drive Genomic Divergence during Allopatric Speciation of European and American Aspens. <i>Molecular Biology and Evolution</i> , 2016, 33, 1754-1767.	8.9	83
7	A major locus controls local adaptation and adaptive life history variation in a perennial plant. <i>Genome Biology</i> , 2018, 19, 72.	8.8	76
8	Bacteria colonising <i>Penstemon digitalis</i> show volatile and tissue-specific responses to a natural concentration range of the floral volatile linalool. <i>Chemoecology</i> , 2018, 28, 11-19.	1.1	69
9	Tuning fresh: radiation through rewiring of central metabolism in streamlined bacteria. <i>ISME Journal</i> , 2016, 10, 1902-1914.	9.8	66
10	Haploid selection within a single ejaculate increases offspring fitness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8053-8058.	7.1	65
11	The Evolution of Transcription-Initiation Sites. <i>Molecular Biology and Evolution</i> , 2005, 22, 1137-1146.	8.9	60
12	Khoe-San Genomes Reveal Unique Variation and Confirm the Deepest Population Divergence in <i>Homo sapiens</i> . <i>Molecular Biology and Evolution</i> , 2020, 37, 2944-2954.	8.9	60
13	When sounds collide: the effect of anthropogenic noise on a breeding assemblage of frogs in Belize, Central America. <i>Behaviour</i> , 2011, 148, 215-232.	0.8	52
14	Genomic analysis reveals major determinants of <i>cis</i> -regulatory variation in <i>Capsella grandiflora</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1087-1092.	7.1	50
15	Genome-wide association study identified novel candidate loci affecting wood formation in Norway spruce. <i>Plant Journal</i> , 2019, 100, 83-100.	5.7	49
16	LTR Retrotransposons Show Low Levels of Unequal Recombination and High Rates of Intraelement Gene Conversion in Large Plant Genomes. <i>Genome Biology and Evolution</i> , 2017, 9, 3449-3462.	2.5	45
17	Evolutionary Diversification of the Sm Family of RNA-Associated Proteins. <i>Molecular Biology and Evolution</i> , 2008, 25, 2255-2267.	8.9	41
18	An Ultra-Dense Haploid Genetic Map for Evaluating the Highly Fragmented Genome Assembly of Norway Spruce ( <i>Picea abies</i> ). <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1623-1632.	1.8	39

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19	Intron Presence-Absence Polymorphisms in <i>Daphnia</i> . <i>Molecular Biology and Evolution</i> , 2008, 25, 2129-2139.	8.9	37
20	<i>Cis-Regulatory Changes Associated with a Recent Mating System Shift and Floral Adaptation in Capsella</i> . <i>Molecular Biology and Evolution</i> , 2015, 32, 2501-2514.	8.9	35
21	Sharing of photobionts in sympatric populations of <i>Thamnolia</i> and <i>Cetraria</i> lichens: evidence from high-throughput sequencing. <i>Scientific Reports</i> , 2018, 8, 4406.	3.3	29
22	Influence of acorn woodpecker social behaviour on transport of coast live oak ( <i>Quercus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	4.0	27
23	Use of Alpha, Beta, and Gamma Diversity Measures to Characterize Seed Dispersal by Animals. <i>American Naturalist</i> , 2012, 180, 719-732.	2.1	27
24	Position of the Final Intron in Full-Length Transcripts: Determined by NMD?. <i>Molecular Biology and Evolution</i> , 2007, 24, 896-899.	8.9	25
25	Mutation Accumulation in Real Branches: Fitness Assays for Genomic Deleterious Mutation Rate and Effect in Large-€statured Plants. <i>American Naturalist</i> , 2009, 174, 163-175.	2.1	25
26	Impact of asymmetric male and female gamete dispersal on allelic diversity and spatial genetic structure in valley oak ( <i>Quercus lobata</i> NÁ©e). <i>Evolutionary Ecology</i> , 2015, 29, 927-945.	1.2	25
27	The Ty1-copia LTR retroelement family PARTC is highly conserved in conifers over 200MY of evolution. <i>Gene</i> , 2015, 568, 89-99.	2.2	24
28	DNA-metabarcoding uncovers the diversity of soil-inhabiting fungi in the tropical island of Puerto Rico. <i>Mycoscience</i> , 2016, 57, 217-227.	0.8	22
29	Medial pith cells per meter in twigs as a proxy for mitotic growth rate ( $\hat{\mu}_1/m$ ) in the apical meristem. <i>American Journal of Botany</i> , 2006, 93, 1740-1747.	1.7	20
30	Summer comes to the Southern Ocean: how phytoplankton shape bacterioplankton communities far into the deep dark sea. <i>Ecosphere</i> , 2019, 10, e02641.	2.2	20
31	Endogenous Mechanisms for the Origins of Spliceosomal Introns. <i>Journal of Heredity</i> , 2009, 100, 591-596.	2.4	19
32	Foraging patterns of acorn woodpeckers ( <i>Melanerpes formicivorus</i> ) on valley oak ( <i>Quercus lobata</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	2.0	19
33	Using Seedling and Pericarp Tissues to Determine Maternal Parentage of Dispersed Valley Oak Recruits. <i>Journal of Heredity</i> , 2012, 103, 250-259.	2.4	17
34	What seeds tell us about birds: a multi-year analysis of acorn woodpecker foraging movements. <i>Movement Ecology</i> , 2014, 2, .	2.8	15
35	Coefficients of Conservatism Values and the Floristic Quality Index for the Vascular Plants of South Florida. <i>Southeastern Naturalist</i> , 2012, 11, 1.	0.4	13
36	Tracking the NGS revolution: managing life science research on shared high-performance computing clusters. <i>GigaScience</i> , 2018, 7, .	6.4	8

#	ARTICLE	IF	CITATIONS
37	Selection on Accessible Chromatin Regions in <i>Capsella grandiflora</i> . <i>Molecular Biology and Evolution</i> , 2021, 38, 5563-5575.	8.9	6
38	Variant Calling Using NGS Data in European Aspen ( <i>Populus tremula</i> ). , 2015, , 43-61.		5
39	RPASE: Individual-based allele-specific expression detection without prior knowledge of haplotype phase. <i>Molecular Ecology Resources</i> , 2018, 18, 1247-1262.	4.8	2