

# Da-Yong Zhang

## List of Publications by Year in descending order

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92  
papers

3,316  
citations

147801

31  
h-index

168389

53  
g-index

108  
all docs

108  
docs citations

108  
times ranked

3641  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dead-End Hybridization in Walnut Trees Revealed by Large-Scale Genomic Sequence Data. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	21
2	The rediscovery of <i>Carya poilanei</i> (Juglandaceae) after 63 years reveals a new record from China. <i>PhytoKeys</i> , 2022, 188, 73-82.	1.0	4
3	Habitat effects on reproductive phenotype, pollinator behavior, fecundity, and mating outcomes of a bumble bee-pollinated herb. <i>American Journal of Botany</i> , 2022, 109, 470-485.	1.7	4
4	Does weed suppression by high crop density depend on crop spatial pattern and soil water availability?. <i>Basic and Applied Ecology</i> , 2022, 61, 20-29.	2.7	4
5	Population-genomic analyses reveal bottlenecks and asymmetric introgression from Persian into iron walnut during domestication. <i>Genome Biology</i> , 2022, 23, .	8.8	10
6	Dispersal as a result of asymmetrical hybridization between two closely related oak species in China. <i>Molecular Phylogenetics and Evolution</i> , 2021, 154, 106964.	2.7	4
7	Differences in Weed Suppression between Two Modern and Two Old Wheat Cultivars at Different Sowing Densities. <i>Agronomy</i> , 2021, 11, 253.	3.0	8
8	Recent demographic histories of temperate deciduous trees inferred from microsatellite markers. <i>Bmc Ecology and Evolution</i> , 2021, 21, 88.	1.6	3
9	Different rates of pollen and seed gene flow cause branch-length and geographic cytonuclear discordance within Asian butternuts. <i>New Phytologist</i> , 2021, 232, 388-403.	7.3	21
10	Effects of latitudinal variation on field and common garden comparisons between native and introduced groundsel ( <i>Senecio vulgaris</i> ) populations. <i>Journal of Plant Ecology</i> , 2021, 14, 414-424.	2.3	3
11	Warmer temperatures enhance beneficial mutation effects. <i>Journal of Evolutionary Biology</i> , 2020, 33, 1020-1027.	1.7	9
12	Lower sensitivity in responses to root competition and soil resource availability in a new wheat cultivar than in an old wheat landrace. <i>Plant and Soil</i> , 2020, 450, 557-565.	3.7	7
13	Local biotic interactions drive species-specific divergence in soil bacterial communities. <i>ISME Journal</i> , 2019, 13, 2846-2855.	9.8	10
14	The nature of interspecific interactions and co-diversification patterns, as illustrated by the fig microcosm. <i>New Phytologist</i> , 2019, 224, 1304-1315.	7.3	16
15	Phylogenomics Reveals an Ancient Hybrid Origin of the Persian Walnut. <i>Molecular Biology and Evolution</i> , 2019, 36, 2451-2461.	8.9	79
16	A comparison of reproductive isolation between two closely related oak species in zones of recent and ancient secondary contact. <i>BMC Evolutionary Biology</i> , 2019, 19, 70.	3.2	8
17	Development of polymorphic microsatellite loci for <i>Ceratosolen gravelyi</i> (Hymenoptera: Agaonidae), the pollinating wasp of <i>Ficus semicordata</i> (Urticales: Moraceae). <i>Applied Entomology and Zoology</i> , 2019, 54, 129-132.	1.2	0
18	Temperature responses of mutation rate and mutational spectrum in an <i>Escherichia coli</i> strain and the correlation with metabolic rate. <i>BMC Evolutionary Biology</i> , 2018, 18, 126.	3.2	43

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19	Co-regulation of photosynthetic capacity by nitrogen, phosphorus and magnesium in a subtropical Karst forest in China. <i>Scientific Reports</i> , 2018, 8, 7406.	3.3	24
20	Demographically idiosyncratic responses to climate change and rapid Pleistocene diversification of the walnut genus <i>Juglans</i> (Juglandaceae) revealed by whole-genome sequences. <i>New Phytologist</i> , 2018, 217, 1726-1736.	7.3	98
21	Contrasting grass nitrogen strategies reflect interspecific trade-offs between nitrogen acquisition and use in a semi-arid temperate grassland. <i>Plant and Soil</i> , 2017, 418, 267-276.	3.7	17
22	Invasion genetics of <i>Senecio vulgaris</i> : loss of genetic diversity characterizes the invasion of a selfing annual, despite multiple introductions. <i>Biological Invasions</i> , 2017, 19, 255-267.	2.4	14
23	Isolation and characterization of microsatellite loci from three cryptic species of <i>Ceratosolen emarginatus</i> . <i>Entomological Science</i> , 2016, 19, 301-303.	0.6	1
24	Phylogeographic breaks within Asian butternuts indicate the existence of a phylogeographic divide in East Asia. <i>New Phytologist</i> , 2016, 209, 1757-1772.	7.3	101
25	Evolution alters ecological mechanisms of coexistence in experimental microcosms. <i>Functional Ecology</i> , 2016, 30, 1440-1446.	3.6	23
26	Phylogeography of postglacial range expansion in <i>Juglans mandshurica</i> (Juglandaceae) reveals no evidence of bottleneck, loss of genetic diversity, or isolation by distance in the leading-edge populations. <i>Molecular Phylogenetics and Evolution</i> , 2016, 102, 255-264.	2.7	57
27	Field experimental evidence that stochastic processes predominate in the initial assembly of bacterial communities. <i>Environmental Microbiology</i> , 2016, 18, 1730-1739.	3.8	20
28	Experimental analysis of mating patterns in a clonal plant reveals contrasting modes of self-pollination. <i>Ecology and Evolution</i> , 2015, 5, 5423-5431.	1.9	17
29	Multiple glacial refugia for cool-temperate deciduous trees in northern East Asia: the Mongolian oak as a case study. <i>Molecular Ecology</i> , 2015, 24, 5676-5691.	3.9	138
30	Life history trait differentiation and local adaptation in invasive populations of <i>Ambrosia artemisiifolia</i> in China. <i>Oecologia</i> , 2015, 177, 669-677.	2.0	67
31	Small effective population size in microrefugia?. <i>Journal of Systematics and Evolution</i> , 2015, 53, 163-165.	3.1	4
32	Dispersal Limitation Favors More Fecund Species in the Presence of Fitness-Equalizing Demographic Trade-Offs. <i>American Naturalist</i> , 2015, 185, 620-630.	2.1	1
33	The rhythmic expression of genes controlling flowering time in southern and northern populations of invasive <i>Ambrosia artemisiifolia</i> . <i>Journal of Plant Ecology</i> , 2015, 8, 207-212.	2.3	9
34	The functional significance of a stigma color polymorphism in <i>Acer pictum</i> subsp. <i>mono</i> (Aceraceae). <i>Journal of Plant Ecology</i> , 2015, 8, 166-172.	2.3	7
35	The incidence and pattern of copollinator diversification in dioecious and monoecious figs. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 294-304.	2.3	43
36	Demographic model of admixture predicts symmetric introgression when a species expands into the range of another: A comment on Currat et al. (2008). <i>Journal of Systematics and Evolution</i> , 2014, 52, 35-39.	3.1	8

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37	Contrasts between the phylogeographic patterns of chloroplast and nuclear DNA highlight a role for pollen-mediated gene flow in preventing population divergence in an East Asian temperate tree. <i>Molecular Phylogenetics and Evolution</i> , 2014, 81, 37-48.	2.7	81
38	Spatiotemporal change in the climatic growing season in Northeast China during 1960â€“2009. <i>Theoretical and Applied Climatology</i> , 2013, 111, 693-701.	2.8	19
39	Donaldâ€™s Ideotype and Growth Redundancy: A Pot Experimental Test Using an Old and a Modern Spring Wheat Cultivar. <i>PLoS ONE</i> , 2013, 8, e70006.	2.5	32
40	Competitive hierarchies inferred from pair-wise and multi-species competition experiments. <i>Acta Oecologica</i> , 2012, 38, 66-70.	1.1	2
41	No Evolutionary Shift in the Mating System of North American <i>Ambrosia artemisiifolia</i> (Asteraceae) Following Its Introduction to China. <i>PLoS ONE</i> , 2012, 7, e31935.	2.5	34
42	The Role of Late-Acting Self-Incompatibility and Early-Acting Inbreeding Depression in Governing Female Fertility in Monkshood, <i>Aconitum kusnezoffii</i> . <i>PLoS ONE</i> , 2012, 7, e47034.	2.5	28
43	Geographic variation in the structure of oak hybrid zones provides insights into the dynamics of speciation. <i>Molecular Ecology</i> , 2011, 20, 4995-5011.	3.9	114
44	Development of microsatellite loci for <i>Blastophaga javana</i> (Agaonidae), the pollinating wasp of <i>Ficus hirta</i> (Moraceae). <i>American Journal of Botany</i> , 2011, 98, e41-3.	1.7	12
45	Phylogeny and biogeography of the rice tribe (Oryzaceae): Evidence from combined analysis of 20 chloroplast fragments. <i>Molecular Phylogenetics and Evolution</i> , 2010, 54, 266-277.	2.7	87
46	Nuclear and chloroplast DNA phylogeography reveal two refuge areas with asymmetrical gene flow in a temperate walnut tree from East Asia. <i>New Phytologist</i> , 2010, 188, 892-901.	7.3	213
47	Genetic uniformity characterizes the invasive spread of water hyacinth ( <i>Eichhornia crassipes</i> ), a clonal aquatic plant. <i>Molecular Ecology</i> , 2010, 19, 1774-1786.	3.9	186
48	Exploring Species Limits in Two Closely Related Chinese Oaks. <i>PLoS ONE</i> , 2010, 5, e15529.	2.5	56
49	Female reproductive success decreases with display size in monkshood, <i>Aconitum kusnezoffii</i> (Ranunculaceae). <i>Annals of Botany</i> , 2009, 104, 1405-1412.	2.9	35
50	Demographic trade-offs in a neutral model explain deathâ€“abundanceâ€“rank relationship. <i>Ecology</i> , 2009, 90, 31-38.	3.2	23
51	The properties of hub proteins in a yeastâ€“aggregated cell cycle network and its phase sub-networks. <i>Proteomics</i> , 2009, 9, 4812-4824.	2.2	10
52	Variation in Floral Sex Allocation and Reproductive Success in Sequentially Flowering Inflorescence of <i>Corydalis remota</i> var. <i>lineariloba</i> (Fumariaceae). <i>Journal of Integrative Plant Biology</i> , 2009, 51, 299-307.	8.5	12
53	Influence of harvest time on fuel characteristics of five potential energy crops in northern China. <i>Bioresource Technology</i> , 2008, 99, 479-485.	9.6	54
54	Increased Maleness at Flowering Stage and Femaleness at Fruiting Stage with Size in an Andromonoecious Perennial, <i>Veratrum nigrum</i> . <i>Journal of Integrative Plant Biology</i> , 2008, 50, 1024-1030.	8.5	14

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55	A NEARLY NEUTRAL MODEL OF BIODIVERSITY. <i>Ecology</i> , 2008, 89, 248-258.	3.2	81
56	<scp>tetra</scp>: an improved program for population genetic analysis of allotetraploid microsatellite data. <i>Molecular Ecology Resources</i> , 2008, 8, 1260-1262.	4.8	15
57	Genome-wide inference of protein interaction sites: lessons from the yeast high-quality negative protein-protein interaction dataset. <i>Nucleic Acids Research</i> , 2008, 36, 2002-2011.	14.5	17
58	Consequences of individual species loss in biodiversity experiments: An essentiality index. <i>Acta Oecologica</i> , 2007, 32, 236-242.	1.1	29
59	Colonization sequence influences selection and complementarity effects on biomass production in experimental algal microcosms. <i>Oikos</i> , 2007, 116, 1748-1758.	2.7	32
60	Mating patterns and pollen dispersal in a heterodichogamous tree, <i>Juglans mandshurica</i> (Juglandaceae). <i>New Phytologist</i> , 2007, 176, 699-707.	7.3	53
61	BPhyOG: An interactive server for genome-wide inference of bacterial phylogenies based on overlapping genes. <i>BMC Bioinformatics</i> , 2007, 8, 266.	2.6	16
62	Resource availability and biodiversity effects on the productivity, temporal variability and resistance of experimental algal communities. <i>Oikos</i> , 2006, 114, 385-396.	2.7	74
63	Species richness destabilizes ecosystem functioning in experimental aquatic microcosms. <i>Oikos</i> , 2006, 112, 218-226.	2.7	61
64	Pollen and Resource Limitation in <i>Veratrum nigrum</i> L. (Liliaceae), an Andromonoecious Herb. <i>Journal of Integrative Plant Biology</i> , 2006, 48, 1401-1408.	8.5	17
65	Interactive effects of habitat productivity and herbivore pressure on the evolution of anti-herbivore defense in invasive plant populations. <i>Journal of Theoretical Biology</i> , 2006, 242, 935-940.	1.7	18
66	Overlapping genes as rare genomic markers: the phylogeny of $\hat{1}^3$ -Proteobacteria as a case study. <i>Trends in Genetics</i> , 2006, 22, 593-596.	6.7	19
67	SPIDER: <i>Saccharomyces</i> protein-protein interaction database. <i>BMC Bioinformatics</i> , 2006, 7, S16.	2.6	22
68	Prediction of yeast protein-protein interaction network: insights from the Gene Ontology and annotations. <i>Nucleic Acids Research</i> , 2006, 34, 2137-2150.	14.5	193
69	An initial strategy for comparing proteins at the domain architecture level. <i>Bioinformatics</i> , 2006, 22, 2081-2086.	4.1	46
70	Flowering Phenology and Wind-pollination Efficacy of Heterodichogamous <i>Juglans mandshurica</i> (Juglandaceae). <i>Annals of Botany</i> , 2006, 98, 397-402.	2.9	32
71	Adaptive Significance of Flexistyly in <i>Alpinia blepharocalyx</i> (Zingiberaceae): A Hand-pollination Experiment. <i>Annals of Botany</i> , 2006, 99, 661-666.	2.9	22
72	Does spatial structure facilitate coexistence of identical competitors?. <i>Ecological Modelling</i> , 2005, 181, 17-23.	2.5	26

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73	The excess of 5' introns in eukaryotic genomes. <i>Nucleic Acids Research</i> , 2005, 33, 6522-6527.	14.5	34
74	Coexistence of cryptic species. <i>Ecology Letters</i> , 2004, 7, 165-169.	6.4	58
75	Strand Compositional Asymmetries of Nuclear DNA in Eukaryotes. <i>Journal of Molecular Evolution</i> , 2003, 57, 325-334.	1.8	23
76	Costly Solicitation, Timing of Offspring Conflict, and Resource Allocation in Plants. <i>Annals of Botany</i> , 2000, 86, 123-131.	2.9	12
77	Resource Allocation and the Evolution of Self-Fertilization in Plants. <i>American Naturalist</i> , 2000, 155, 187-199.	2.1	31
78	Donald's ideotype and growth redundancy: a game theoretical analysis. <i>Field Crops Research</i> , 1999, 61, 179-187.	5.1	123
79	Evolutionarily Stable Reproductive Strategies in Sexual Organisms. Part V: Joint Effects of Parent-offspring Conflict and Sibling Conflict in Perennial Plants. <i>Journal of Theoretical Biology</i> , 1998, 192, 275-281.	1.7	9
80	Evolutionarily Stable Reproductive Strategies in Sexual Organisms: IV. Parent-Offspring Conflict and Selection of Seed Size in Perennial Plants. <i>Journal of Theoretical Biology</i> , 1998, 192, 143-153.	1.7	12
81	Sexual Reproduction and Stable Coexistence of Identical Competitors. <i>Journal of Theoretical Biology</i> , 1998, 193, 465-473.	1.7	22
82	Evolutionarily Stable Reproductive Strategies in Sexual Organisms: III. The Effects of Lottery Density Dependence and Pollen Limitation. <i>Journal of Theoretical Biology</i> , 1997, 185, 223-231.	1.7	14
83	The Effects of Competitive Asymmetry on the Rate of Competitive Displacement: How Robust is Hubbell's Community Drift Model?. <i>Journal of Theoretical Biology</i> , 1997, 188, 361-367.	1.7	66
84	Evolutionarily Stable Reproductive Strategies in Sexual Organisms. II. Dioecy and Optimal Resource Allocation. <i>American Naturalist</i> , 1996, 147, 1115-1123.	2.1	34
85	Local Mate Competition Promotes Coexistence of Similar Competitors. <i>Journal of Theoretical Biology</i> , 1995, 177, 167-170.	1.7	16
86	Is Heterozygous Advantage Necessary for Polymorphism in One-locus Two-allele Systems?. <i>Journal of Theoretical Biology</i> , 1994, 166, 245-250.	1.7	6
87	Evolutionarily Stable Reproductive Strategies in Sexual Organisms: An Integrated Approach to Life-History Evolution and Sex Allocation. <i>American Naturalist</i> , 1994, 144, 65-75.	2.1	49
88	Migration, Metapopulation Dynamics and Fugitive Co-existence. <i>Journal of Theoretical Biology</i> , 1993, 163, 491-504.	1.7	90
89	The effects of initial population density on the competition for limiting nutrients in two freshwater algae. <i>Oecologia</i> , 1993, 96, 569-574.	2.0	20
90	Differential Selection in Sexes, Genetic Drift, and Stable Coexistence of Identical Species. <i>Oikos</i> , 1993, 68, 177.	2.7	2

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91	Male-biased sex allocation in late-blooming flowers driven by resource limitation in the clonal perennial <i>Aconitum kusnezoffii</i> (Ranunculaceae). <i>Journal of Systematics and Evolution</i> , 0, , .	3.1	2
92	Effects of plant interactions on the populations of the endangered <i>Fagus pashanica</i> . <i>Plant Ecology and Diversity</i> , 0, , 1-13.	2.4	2