

Brian C Husband

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3197730/brian-c-husband-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

5,713
citations

40
h-index

75
g-index

90
ext. papers

6,571
ext. citations

4.3
avg, IF

5.98
L-index

#	Paper	IF	Citations
85	The role of multiple reproductive barriers: strong post-pollination interactions govern cytotype isolation in a tetraploid-octoploid contact zone. <i>Annals of Botany</i> , 2020 , 126, 991-1003	4.1	5
84	Different Patterns of Ecological Divergence Between Two Tetraploids and Their Diploid Counterpart in a Parapatric Linear Coastal Distribution Polyploid Complex. <i>Frontiers in Plant Science</i> , 2020 , 11, 315	6.2	4
83	The influence of experimentally induced polyploidy on the relationships between endopolyploidy and plant function in. <i>Ecology and Evolution</i> , 2020 , 10, 198-216	2.8	12
82	Endopolyploidy is associated with leaf functional traits and climate variation in <i>Arabidopsis thaliana</i> . <i>American Journal of Botany</i> , 2020 , 107, 993-1003	2.7	3
81	The origins and evolutionary history of feral apples in southern Canada. <i>Molecular Ecology</i> , 2020 , 29, 1776-1790	5.7	6
80	Evolutionary associations between polyploidy, clonal reproduction, and perenniality in the angiosperms. <i>New Phytologist</i> , 2019 , 224, 1266-1277	9.8	19
79	Mosaic distribution of cytotypes in a mixed-ploidy plant species, <i>Jasione montana</i> : nested environmental niches but low geographical overlap. <i>Botanical Journal of the Linnean Society</i> , 2019 , 190, 51-66	2.2	11
78	Complex cytogeographical patterns reveal a dynamic tetraploid-octoploid contact zone. <i>AoB PLANTS</i> , 2018 , 10, ply012	2.9	7
77	Immediate vs. evolutionary consequences of polyploidy on clonal reproduction in an autopolyploid plant. <i>Annals of Botany</i> , 2018 , 122, 195-205	4.1	16
76	Whole-genome duplication decreases clonal stolon production and genet size in the wild strawberry <i>Fragaria vesca</i> . <i>American Journal of Botany</i> , 2018 , 105, 1712-1724	2.7	5
75	Frequency and maintenance of unreduced gametes in natural plant populations: associations with reproductive mode, life history and genome size. <i>New Phytologist</i> , 2017 , 214, 879-889	9.8	47
74	Mixed-Ploidy Species: Progress and Opportunities in Polyploid Research. <i>Trends in Plant Science</i> , 2017 , 22, 1041-1055	13.1	87
73	Evolutionary Dynamics of Unreduced Gametes. <i>Trends in Genetics</i> , 2017 , 33, 583-593	8.5	34
72	Correlated polymorphism in cytotype and sexual system within a monophyletic species, <i>Lycium californicum</i> . <i>Annals of Botany</i> , 2016 , 117, 307-17	4.1	4
71	Spreading Winge and flying high: The evolutionary importance of polyploidy after a century of study. <i>American Journal of Botany</i> , 2016 , 103, 1139-45	2.7	58
70	Direct vs. indirect effects of whole-genome duplication on prezygotic isolation in <i>Chamerion angustifolium</i> : Implications for rapid speciation. <i>American Journal of Botany</i> , 2016 , 103, 1259-71	2.7	36
69	Effect of inbreeding on pollen tube growth in diploid and tetraploid <i>Chamerion angustifolium</i> : Do polyploids mask mutational load in pollen?. <i>American Journal of Botany</i> , 2016 , 103, 532-40	2.7	12

68	Distinguishing 2N gamete nuclei from doublets in pollen using flow cytometry and pulse analysis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015 , 87, 943-57	4.6	12
67	No influence of water limitation on the outcome of competition between diploid and tetraploid <i>Chamerion angustifolium</i> (Onagraceae). <i>Journal of Ecology</i> , 2015 , 103, 733-741	6	27
66	Flow cytometric analysis of pollen grains collected from individual bees provides information about pollen load composition and foraging behaviour. <i>Annals of Botany</i> , 2014 , 113, 191-7	4.1	4
65	Climatic niche differences between diploid and tetraploid cytotypes of <i>Chamerion angustifolium</i> (Onagraceae). <i>American Journal of Botany</i> , 2014 , 101, 1868-75	2.7	64
64	Understanding the spectacular failure of DNA barcoding in willows (<i>Salix</i>): does this result from a trans-specific selective sweep?. <i>Molecular Ecology</i> , 2014 , 23, 4737-56	5.7	75
63	The Incidence of Polyploidy in Natural Plant Populations: Major Patterns and Evolutionary Processes 2013 , 255-276		92
62	The association between polyploidy and clonal reproduction in diploid and tetraploid <i>Chamerion angustifolium</i> . <i>Molecular Ecology</i> , 2013 , 22, 1806-19	5.7	25
61	Cytotype coexistence leads to triploid hybrid production in a diploid-tetraploid contact zone of <i>Chamerion angustifolium</i> (Onagraceae). <i>American Journal of Botany</i> , 2013 , 100, 962-70	2.7	36
60	Adaptation of diploid and tetraploid <i>Chamerion angustifolium</i> to elevation but not local environment. <i>Evolution; International Journal of Organic Evolution</i> , 2013 , 67, 1780-91	3.8	51
59	Pathways of introduction of the invasive aquatic plant <i>Cabomba caroliniana</i> . <i>Ecology and Evolution</i> , 2013 , 3, 1427-39	2.8	12
58	Using flow cytometry to estimate pollen DNA content: improved methodology and applications. <i>Annals of Botany</i> , 2012 , 110, 1067-78	4.1	40
57	Whole genome duplication affects evolvability of flowering time in an autotetraploid plant. <i>PLoS ONE</i> , 2012 , 7, e44784	3.7	28
56	Discriminating plant species in a local temperate flora using the rbcL+matK DNA barcode. <i>Methods in Ecology and Evolution</i> , 2011 , 2, 333-340	7.7	125
55	Spatial patterns of plant diversity below-ground as revealed by DNA barcoding. <i>Molecular Ecology</i> , 2011 , 20, 1289-302	5.7	85
54	Effect of recurrent selfing on inbreeding depression and mating system evolution in an autopolyploid plant. <i>Evolution; International Journal of Organic Evolution</i> , 2011 , 65, 2038-49	3.8	17
53	The effects of rapid desiccation on estimates of plant genome size. <i>Chromosome Research</i> , 2011 , 19, 825-42	4.4	40
52	Soil microbial communities from an elevational cline differ in their effect on conifer seedling growth. <i>Plant and Soil</i> , 2011 , 340, 491-504	4.2	25
51	Genome duplication and the evolution of conspecific pollen precedence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 2011-7	4.4	24

50	Influence of phylogeny and ploidy on species ranges of North American angiosperms. <i>Journal of Ecology</i> , 2009 , 97, 913-922	6	83
49	Genome duplication and the evolution of physiological responses to water stress. <i>New Phytologist</i> , 2009 , 184, 721-731	9.8	164
48	Hybridization and the reproductive pathways mediating gene flow between native <i>Malus coronaria</i> and domestic apple, <i>M. domestica</i> . <i>Botany</i> , 2009 , 87, 864-874	1.3	31
47	Interspecific seed discounting and the fertility cost of hybridization in an endangered species. <i>New Phytologist</i> , 2008 , 177, 276-284	9.8	37
46	Multiple multilocus DNA barcodes from the plastid genome discriminate plant species equally well. <i>PLoS ONE</i> , 2008 , 3, e2802	3.7	421
45	Applications of Flow Cytometry to Evolutionary and Population Biology. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2007 , 38, 847-876	13.5	130
44	Small populations are mate-poor but pollinator-rich in a rare, self-incompatible plant, <i>Hymenoxys herbacea</i> (Asteraceae). <i>New Phytologist</i> , 2007 , 174, 915-925	9.8	47
43	Sexing pollen reveals female bias in a dioecious plant. <i>New Phytologist</i> , 2007 , 175, 185-194	9.8	29
42	Plasticity and Timing of Flower Closure in Response to Pollination in <i>Chamerion angustifolium</i> (Onagraceae). <i>International Journal of Plant Sciences</i> , 2007 , 168, 619-625	2.6	29
41	Flow Cytometry and Ploidy: Applications in Plant Systematics, Ecology and Evolutionary Biology 2007 , 103-130		62
40	Habitat differentiation and the ecological costs of hybridization: the effects of introduced mulberry (<i>Morus alba</i>) on a native congener (<i>M. rubra</i>). <i>Journal of Ecology</i> , 2006 , 94, 1061-1069	6	24
39	Sexual interference within flowers of <i>Chamerion angustifolium</i> . <i>Evolutionary Ecology</i> , 2006 , 20, 331-343	1.8	11
38	The effects of pollen diversity on plant reproduction: insights from apple. <i>Sexual Plant Reproduction</i> , 2006 , 19, 125-131		23
37	Pollinator-mediated assortative mating in mixed ploidy populations of <i>Chamerion angustifolium</i> (Onagraceae). <i>Oecologia</i> , 2006 , 150, 398-408	2.9	78
36	Effects of a belowground mutualism on an aboveground mutualism. <i>Ecology Letters</i> , 2005 , 8, 218-223	10	103
35	ASSOCIATION OF PLOIDY AND SEXUAL SYSTEM IN <i>LYCIUM CALIFORNICUM</i> (SOLANACEAE). <i>Evolution; International Journal of Organic Evolution</i> , 2005 , 59, 2048-2055	3.8	36
34	Maternal and paternal contributions to the fitness of hybrids between red and white mulberry (<i>Morus</i> , Moraceae). <i>American Journal of Botany</i> , 2004 , 91, 1802-8	2.7	31
33	The consequences of clone size for paternal and maternal success in domestic apple (<i>Malus x domestica</i>). <i>American Journal of Botany</i> , 2004 , 91, 1326-32	2.7	16

32	The role of triploid hybrids in the evolutionary dynamics of mixed-ploidy populations. <i>Biological Journal of the Linnean Society</i> , 2004 , 82, 537-546	1.9	190
31	Reproductive isolation between autotetraploids and their diploid progenitors in fireweed, <i>Chamerion angustifolium</i> (Onagraceae). <i>New Phytologist</i> , 2004 , 161, 703-713	9.8	218
30	Ecological status of American chestnut (<i>Castanea dentata</i>) in its native range in Canada. <i>Canadian Journal of Forest Research</i> , 2004 , 34, 2554-2563	1.9	18
29	The effect of protandry on siring success in <i>Chamerion angustifolium</i> (Onagraceae) with different inflorescence sizes. <i>Evolution; International Journal of Organic Evolution</i> , 2003 , 57, 240-8	3.8	40
28	Pollen competition as a unilateral reproductive barrier between sympatric diploid and tetraploid <i>Chamerion angustifolium</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 2565-71	4.4	61
27	Fecundity and offspring ploidy in matings among diploid, triploid and tetraploid <i>Chamerion angustifolium</i> (Onagraceae): consequences for tetraploid establishment. <i>Heredity</i> , 2001 , 87, 573-82	3.6	48
26	Potential and realized rates of vegetative reproduction in <i>Spirodela polyrhiza</i> , <i>Lemna minor</i> , and <i>Wolffia borealis</i> . <i>Aquatic Botany</i> , 2001 , 70, 79-87	1.8	64
25	Factors Affecting Pollen Dispersal in High-density Apple Orchards. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2001 , 36, 1039-1046	2.4	17
24	Constraints on polyploid evolution: a test of the minority cytotype exclusion principle. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000 , 267, 217-23	4.4	167
23	FITNESS DIFFERENCES AMONG DIPLOIDS, TETRAPLOIDS, AND THEIR TRIPLOID PROGENY IN CHAMERION ANGUSTIFOLIUM: MECHANISMS OF INVIABILITY AND IMPLICATIONS FOR POLYPLOID EVOLUTION. <i>Evolution; International Journal of Organic Evolution</i> , 2000 , 54, 1182	3.8	5
22	Population cytotype structure in the polyploid galax urceolata (Diapensiaceae). <i>Heredity</i> , 1999 , 82 Pt 4, 381-90	3.6	64
21	Relationship between the abundance of <i>Lythrum salicaria</i> (purple loosestrife) and plant species richness along the Bar River, Canada. <i>Wetlands</i> , 1999 , 19, 118-125	1.7	47
20	Offspring fitness and parental effects as a function of inbreeding in <i>Epilobium angustifolium</i> (Onagraceae). <i>Heredity</i> , 1998 , 80, 173-179	3.6	6
19	Spatial and temporal variation in population size of <i>Eichhornia paniculata</i> in ephemeral habitats: implications for metapopulation dynamics. <i>Journal of Ecology</i> , 1998 , 86, 1021-1031	6	46
18	Cytotype distribution at a diploid-tetraploid contact zone in <i>Chamerion</i> (<i>Epilobium</i>) <i>angustifolium</i> (Onagraceae). <i>American Journal of Botany</i> , 1998 , 85, 1688-1694	2.7	142
17	The Effect of Inbreeding in Diploid and Tetraploid Populations of <i>Epilobium angustifolium</i> (Onagraceae): Implications for the Genetic Basis of Inbreeding Depression. <i>Evolution; International Journal of Organic Evolution</i> , 1997 , 51, 737	3.8	52
16	THE EFFECT OF INBREEDING IN DIPLOID AND TETRAPLOID POPULATIONS OF EPILOBIUM ANGUSTIFOLIUM (ONAGRACEAE): IMPLICATIONS FOR THE GENETIC BASIS OF INBREEDING DEPRESSION. <i>Evolution; International Journal of Organic Evolution</i> , 1997 , 51, 737-746	3.8	95
15	Evolution of the Magnitude and Timing of Inbreeding Depression in Plants. <i>Evolution; International Journal of Organic Evolution</i> , 1996 , 50, 54	3.8	400

14	EVOLUTION OF THE MAGNITUDE AND TIMING OF INBREEDING DEPRESSION IN PLANTS. <i>Evolution; International Journal of Organic Evolution</i> , 1996 , 50, 54-70	3.8	610
13	Estimates of gene flow in <i>Eichhornia paniculata</i> (Pontederiaceae): effects of range substructure. <i>Heredity</i> , 1995 , 75, 549-560	3.6	23
12	ESTIMATING EFFECTIVE POPULATION SIZE: A REPLY TO NUNNEY. <i>Evolution; International Journal of Organic Evolution</i> , 1995 , 49, 392-394	3.8	5
11	Evolutionary processes in aquatic plant populations. <i>Aquatic Botany</i> , 1993 , 44, 105-145	1.8	308
10	Multiple origins of self-fertilization in tristylous <i>Eichhornia paniculata</i> (Pontederiaceae): Inferences from style morph and isozyme variation. <i>Journal of Evolutionary Biology</i> , 1993 , 6, 591-608	2.3	37
9	Variation in Outcrossing Rates in <i>Eichhornia paniculata</i> : Temporal Changes in Populations of Contrasting Style Morph Structure. <i>Plant Species Biology</i> , 1993 , 8, 141-148	1.3	11
8	EFFECTIVE POPULATION SIZE AND GENETIC DRIFT IN TRISTYLOUS EICHHORNIA PANICULATA (PONTEDERIACEAE). <i>Evolution; International Journal of Organic Evolution</i> , 1992 , 46, 1875-1890	3.8	61
7	Pollinator visitation in populations of tristylous <i>Eichhornia paniculata</i> in northeastern Brazil. <i>Oecologia</i> , 1992 , 89, 365-371	2.9	42
6	Genetic drift and the maintenance of the style length polymorphism in tristylous populations of <i>Eichhornia paniculata</i> (Pontederiaceae). <i>Heredity</i> , 1992 , 69, 440-449	3.6	57
5	Colonization history and population genetic structure of <i>Eichhornia paniculata</i> in Jamaica. <i>Heredity</i> , 1991 , 66, 287-296	3.6	87
4	Variation in Outcrossing Rates in <i>Eichhornia paniculata</i> : The Role of Demographic and Reproductive Factors*. <i>Plant Species Biology</i> , 1990 , 5, 41-55	1.3	119
3	THE DISSOLUTION OF A COMPLEX GENETIC POLYMORPHISM: THE EVOLUTION OF SELF-FERTILIZATION IN TRISTYLOUS EICHHORNIA PANICULATA (PONTEDERIACEAE). <i>Evolution; International Journal of Organic Evolution</i> , 1989 , 43, 1398-1416	3.8	128
2	Growth and biomass allocation of <i>Ruppia occidentalis</i> in three lakes, differing in salinity. <i>Canadian Journal of Botany</i> , 1985 , 63, 2004-2014		21
1	Offspring fitness and parental effects as a function of inbreeding in <i>Epilobium angustifolium</i> (Onagraceae)		1