# Mitchell B Cruzan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/200325/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 62<br>papers | 2,914<br>citations | 147801<br>31<br>h-index | 168389<br>53<br>g-index |
| 63<br>all docs | 63<br>docs citations | 63<br>times ranked | 2796<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | ECOLOGICAL AND GENETIC ASSOCIATIONS IN AN IRIS HYBRID ZONE. Evolution; International Journal of Organic Evolution, 1993, 47, 1432-1445. | 2.3 | 190 |
| 2 | Paleoecology and coalescence: phylogeographic analysis of hypotheses from the fossil record. Trends in Ecology and Evolution, 2000, 15, 491-496. | 8.7 | 169 |
| 3 | Is biomass a reliable estimate of plant fitness?. Applications in Plant Sciences, 2017, 5, 1600094. | 2.1 | 164 |
| 4 | Evidence for multiple sources of invasion and intraspecific hybridization in Brachypodium sylvaticum (Hudson) Beauv. in North America. Molecular Ecology, 2008, 17, 4657-4669. | 3.9 | 137 |
| 5 | Small unmanned aerial vehicles (microâ€UAVs, drones) in plant ecology. Applications in Plant Sciences, 2016, 4, 1600041. | 2.1 | 131 |
| 6 | ASSORTATIVE MATING AND NATURAL SELECTION IN AN IRIS HYBRID ZONE. Evolution; International Journal of Organic Evolution, 1994, 48, 1946-1958. | 2.3 | 99 |
| 7 | Reproductive interactions between hybridizing irises: analyses of pollenâ€tube growth and fertilization success. American Journal of Botany, 1994, 81, 1169-1175. | 1.7 | 96 |
| 8 | POLLENâ€POLLEN AND POLLENâ€STYLE INTERACTIONS DURING POLLEN TUBE GROWTH IN ERYTHRONIUM GRANDIFLORUM (LILIACEAE). American Journal of Botany, 1990, 77, 116-122. | 1.7 | 93 |
| 9 | Contributions of Heterosis and Epistasis to Hybrid Fitness. American Naturalist, 2005, 166, E124-E139. | 2.1 | 89 |
| 10 | Plastic responses to temporal variation in moisture availability: consequences for water use efficiency and plant performance. Oecologia, 2007, 153, 821-832. | 2.0 | 82 |
| 11 | Sexual reproduction and variation in floral morphology in an ephemeral vernal lily, Eyythronium americanum. Oecologia, 1985, 67, 286-291. | 2.0 | 80 |
| 12 | Temporal Patterns of Nectar and Pollen Production in Aralia Hispida: Implications for Reproductive Success. Ecology, 1989, 70, 1061-1068. | 3.2 | 78 |
| 13 | Ecological and Genetic Associations in an Iris Hybrid Zone. Evolution; International Journal of Organic Evolution, 1993, 47, 1432. | 2.3 | 78 |
| 14 | GENETIC MARKERS IN PLANT EVOLUTIONARY ECOLOGY. Ecology, 1998, 79, 400-412. | 3.2 | 78 |
| 15 | VARIATION IN POLLEN SIZE, FERTILIZATION ABILITY, AND POSTFERTILIZATION SIRING ABILITY IN ERYTHRONIUM GRANDIFLORUM. Evolution; International Journal of Organic Evolution, 1990, 44, 843-856. | 2.3 | 76 |
| 16 | POLLEN TUBE ATTRITION IN ERYTHRONIUM GRANDIFLORUM. American Journal of Botany, 1989, 76, 562-570. | 1.7 | 75 |
| 17 | POLLEN TUBE DISTRIBUTIONS IN NICOTIANA GLAUCA: EVIDENCE FOR DENSITY DEPENDENT GROWTH. American Journal of Botany, 1986, 73, 902-907. | 1.7 | 72 |
| 18 | PATTERNS OF INTRASPECIFIC DIVERSIFICATION IN THE PIRIQUETA CAROLINIANA COMPLEX IN SOUTHEASTERN NORTH AMERICA AND THE BAHAMAS. Evolution; International Journal of Organic Evolution, 2000, 54, 815-827. | 2.3 | 63 |

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|---|---|---|---|
| 19 | POPULATION SIZE AND FRAGMENTATION THRESHOLDS FOR THE MAINTENANCE OF GENETIC DIVERSITY IN THE HERBACEOUS ENDEMIC SCUTELLARIA MONTANA (LAMIACEAE). Evolution; International Journal of Organic Evolution, 2001, 55, 1569-1580. | 2.3 | 63 |
| 20 | Postpollination Mechanisms Influencing Mating Patterns and Fecundity: An Example from Eichhornia paniculata. American Naturalist, 1996, 147, 576-598. | 2.1 | 59 |
| 21 | CONTRIBUTION OF CRYPTIC INCOMPATIBILITY TO THE MATING SYSTEM OFEICHHORNIA PANICULA TA(PONTEDERIACEAE). Evolution; International Journal of Organic Evolution, 1993, 47, 925-934. | 2.3 | 58 |
| 22 | CPDNA INHERITANCE IN INTERSPECIFIC CROSSES AND EVOLUTIONARY INFERENCE IN LOUISIANA IRISES. American Journal of Botany, 1993, 80, 344-350. | 1.7 | 49 |
| 23 | Shifting dispersal modes at an expanding speciesâ€™ range margin. Molecular Ecology, 2010, 19, 1134-1146. | 3.9 | 47 |
| 24 | Reproductive Interactions Between Hybridizing Irises: Analyses of Pollen-Tube Growth and Fertilization Success. American Journal of Botany, 1994, 81, 1169. | 1.7 | 44 |
| 25 | Patterns of Hybridization in the Piriqueta caroliniana Complex in Central Florida: Evidence for an Expanding Hybrid Zone. Evolution; International Journal of Organic Evolution, 1999, 53, 1037. | 2.3 | 43 |
| 26 | Sexual polymorphisms in Narcissus triandrus (Amaryllidaceae): is this species tristylous?. Heredity, 1997, 78, 135-145. | 2.6 | 42 |
| 27 | NEUTRAL GENE FLOW ACROSS SINGLE LOCUS CLINES. Evolution; International Journal of Organic Evolution, 1998, 52, 1277-1284. | 2.3 | 39 |
| 28 | Consequences of cytonuclear epistasis and assortative mating for the genetic structure of hybrid populations. Heredity, 1999, 82, 36-45. | 2.6 | 36 |
| 29 | Interspecific mating in the Piriqueta caroliniana (turneraceae) complex: effects of pollen load size and composition. American Journal of Botany, 1998, 85, 1172-1179. | 1.7 | 35 |
| 30 | PATTERNS OF HYBRIDIZATION IN THEPIRIQUETA CAROLINIANACOMPLEX IN CENTRAL FLORIDA: EVIDENCE FOR AN EXPANDING HYBRID ZONE. Evolution; International Journal of Organic Evolution, 1999, 53, 1037-1049. | 2.3 | 35 |
| 31 | Aerenchyma development and elevated alcohol dehydrogenase activity as alternative responses to hypoxic soils in the Piriqueta caroliniana complex. American Journal of Botany, 2007, 94, 542-550. | 1.7 | 34 |
| 32 | Leaf morphological responses to variation in water availability for plants in the Piriqueta caroliniana complex. Plant Ecology, 2009, 200, 267-275. | 1.6 | 31 |
| 33 | Sequencing and de novo transcriptome assembly of Brachypodium sylvaticum (Poaceae). Applications in Plant Sciences, 2013, 1, 1200011. | 2.1 | 31 |
| 34 | Landscape Genetics of Plants: Challenges and Opportunities. Plant Communications, 2020, 1, 100100. | 7.7 | 30 |
| 35 | Analysis of pollen-style interactions in Petunia hybrida; the determination of variance in male reproductive success. Sexual Plant Reproduction, 1993, 6, 275. | 2.2 | 29 |
| 36 | EVIDENCE OF LOCAL ADAPTATION TO COARSE-GRAINED ENVIRONMENTAL VARIATION IN ARABIDOPSIS THALIANA. Evolution; International Journal of Organic Evolution, 2007, 61, 2419-2432. | 2.3 | 29 |

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|---|---|---|---|
| 37 | Rapid purging of genetic load in a metapopulation and consequences for range expansion in an invasive plant. Biological Invasions, 2016, 18, 183-196. | 2.4 | 29 |
| 38 | Patterns of introgression across an expanding hybrid zone: analysing historical patterns of gene flow using nonequilibrium approaches. New Phytologist, 2005, 167, 267-278. | 7.3 | 26 |
| 39 | Floral morphological changes and reproductive success in deer weed (Lotus scoparius , Fabaceae). American Journal of Botany, 1999, 86, 273-277. | 1.7 | 25 |
| 40 | Postpollination discrimination between self and outcross pollen covaries with the mating system of a selfâ€compatible flowering plant. American Journal of Botany, 2016, 103, 568-576. | 1.7 | 24 |
| 41 | Gene trees: A powerful tool for exploring the evolutionary biology of species and speciation. Plant Species Biology, 2000, 15, 211-222. | 1.0 | 22 |
| 42 | Pollen Tube Attrition in Erythronium grandiflorum. American Journal of Botany, 1989, 76, 562. | 1.7 | 22 |
| 43 | Evidence for human-mediated range expansion and gene flow in an invasive grass. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181125. | 2.6 | 20 |
| 44 | Sharing and reporting benefits from biodiversity research. Molecular Ecology, 2021, 30, 1103-1107. | 3.9 | 19 |
| 45 | cpDNA Inheritance in Interspecific Crosses and Evolutionary Inference in Louisiana Irises. American Journal of Botany, 1993, 80, 344. | 1.7 | 18 |
| 46 | Propagule Pressure and Disturbance Drive the Invasion of Perennial False-Brome (Brachypodium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 1.1 | 13 |
| 47 | Trait divergence, not plasticity, determines the success of a newly invasive plant. Annals of Botany, 2019, 123, 667-679. | 2.9 | 13 |
| 48 | Common mycelial networks impact competition in an invasive grass. American Journal of Botany, 2016, 103, 1041-1049. | 1.7 | 12 |
| 49 | Selective differentiation during the colonization and establishment of a newly invasive species. Journal of Evolutionary Biology, 2018, 31, 1689-1703. | 1.7 | 11 |
| 50 | Weak coupling among barrier loci and waves of neutral and adaptive introgression across an expanding hybrid zone. Evolution; International Journal of Organic Evolution, 2021, 75, 3098-3114. | 2.3 | 10 |
| 51 | Barriers to invasive infilling by Brachypodium sylvaticum in Pacific Northwest forests. Biological Invasions, 2015, 17, 2247-2260. | 2.4 | 9 |
| 52 | Fineâ€scale habitat heterogeneity and vole runways influence seed dispersal in Plagiobothrys nothofulvus. American Journal of Botany, 2020, 107, 413-422. | 1.7 | 7 |
| 53 | Sexual polymorphisms in Narcissus triandrus (Amaryllidaceae): is this species tristylous?. Heredity, 1997, 78, 135-145. | 2.6 | 7 |
| 54 | Isolation and characterization of nine microsatellite markers for Brachypodium sylvaticum (Huds.) Beauv., a recently invasive grass species in Oregon. Molecular Ecology Resources, 2008, 8, 1297-1299. | 4.8 | 6 |

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|---|---|---|---|
| 55 | An Efficient Pipeline to Generate Data for Studies in Plastid Population Genomics and Phylogeography. Applications in Plant Sciences, 2017, 5, 1700053. | 2.1 | 6 |
| 56 | Density-Dependent Pollination and Germination in the Patchy Vernal Pool Species Lasthenia californica. International Journal of Plant Sciences, 2018, 179, 583-591. | 1.3 | 6 |
| 57 | Fitness effects of somatic mutations accumulating during vegetative growth. Evolutionary Ecology, 2022, 36, 767-785. | 1.2 | 6 |
| 58 | Consequences of Mycorrhizal Colonization forPiriquetaMorphotypes under Drought Stress. International Journal of Plant Sciences, 2013, 174, 65-73. | 1.3 | 5 |
| 59 | The role of functional diversity and facilitation in smallâ€scale pollinator habitat. Ecological Applications, 2021, 31, e02355. | 3.8 | 5 |
| 60 | Intraspecific variation in gene expression under prolonged drought in Piriqueta hybrids and their parental taxa. Plant Science, 2010, 178, 429-439. | 3.6 | 4 |
| 61 | How to Make a Weed: The Saga of the Slender False Brome Invasion in the North American West and Lessons for the Future. BioScience, 2019, 69, 496-507. | 4.9 | 4 |
| 62 | Variation in Sex Allocation and Floral Morphology in an Expanding Distylous Plant Hybrid Complex. International Journal of Plant Sciences, 2014, 175, 518-525. | 1.3 | 1 |