# Johanna Schmitt

List of Publications by Year
in descending order

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|---|---|---|---|
| 115 papers | 11,074 citations | 20817 60 h-index | 30922 102 g-index |
| 121 all docs | 121 docs citations | 121 times ranked | 7301 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Testing the Adaptive Plasticity Hypothesis: Density-Dependent Selection on Manipulated Stem Length in Impatiens capensis. American Naturalist, 1996, 147, 445-465. | 2.1 | 532 |
| 2 | A latitudinal cline in flowering time in Arabidopsis thaliana modulated by the flowering time gene FRIGIDA. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4712-4717. | 7.1 | 458 |
| 3 | The Evolution of Plant Ecophysiological Traits: Recent Advances and Future Directions. BioScience, 2000, 50, 979. | 4.9 | 387 |
| 4 | Genetic mechanisms and evolutionary significance of natural variation in Arabidopsis. Nature, 2006, 441, 947-952. | 27.8 | 371 |
| 5 | Effects of Genetic Perturbation on Seasonal Life History Plasticity. Science, 2009, 323, 930-934. | 12.6 | 340 |
| 6 | Epistatic interaction between Arabidopsis FRI and FLC flowering time genes generates a latitudinal cline in a life history trait. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15670-15675. | 7.1 | 336 |
| 7 | Light spectral quality, phytochrome and plant competition. Trends in Ecology and Evolution, 1993, 8, 47-51. | 8.7 | 325 |
| 8 | A Test of the Adaptive Plasticity Hypothesis Using Transgenic and Mutant Plants Disabled in Phytochrome-Mediated Elongation Responses to Neighbors. American Naturalist, 1995, 146, 937-953. | 2.1 | 300 |
| 9 | PLASTICITY TO LIGHT CUES AND RESOURCES IN ARABIDOPSIS THALIANA: TESTING FOR ADAPTIVE VALUE AND COSTS. Evolution; International Journal of Organic Evolution, 2000, 54, 1982-1994. | 2.3 | 226 |
| 10 | THE EVOLUTIONARY ECOLOGY OF SEED GERMINATION OF ARABIDOPSIS THALIANA: VARIABLE NATURAL SELECTION ON GERMINATION TIMING. Evolution; International Journal of Organic Evolution, 2005, 59, 758-770. | 2.3 | 215 |
| 11 | Manipulative Approaches to Testing Adaptive Plasticity: Phytochromeâ€Mediated Shadeâ€Avoidance Responses in Plants. American Naturalist, 1999, 154, S43-S54. | 2.1 | 210 |
| 12 | POLLINATOR FORAGING BEHAVIOR AND GENE DISPERSAL IN SENECIO (COMPOSITAE). Evolution; International Journal of Organic Evolution, 1980, 34, 934-943. | 2.3 | 209 |
| 13 | ENHANCEMENT OF INBREEDING DEPRESSION BY DOMINANCE AND SUPPRESSION IN IMPATIENS CAPENSIS. Evolution; International Journal of Organic Evolution, 1990, 44, 269-278. | 2.3 | 199 |
| 14 | EVIDENCE OF ADAPTIVE DIVERGENCE IN PLASTICITY: DENSITY- AND SITE-DEPENDENT SELECTION ON SHADE-AVOIDANCE RESPONSES IN IMPATIENS CAPENSIS. Evolution; International Journal of Organic Evolution, 2000, 54, 1956-1968. | 2.3 | 187 |
| 15 | The Adaptive Evolution of Plasticity: Phytochrome-Mediated Shade Avoidance Responses. Integrative and Comparative Biology, 2003, 43, 459-469. | 2.0 | 178 |
| 16 | Evolution caused by extreme events. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160146. | 4.0 | 170 |
| 17 | THE EFFECT OF DISTANCE FROM THE PARENTAL SITE ON OFFSPRING PERFORMANCE AND INBREEDING DEPRESSION IN IMPATIENS CAPENSIS : A TEST OF THE LOCAL ADAPTATION HYPOTHESIS. Evolution; International Journal of Organic Evolution, 1990, 44, 2022-2030. | 2.3 | 167 |
| 18 | Norms of Reaction of Seed Traits to Maternal Environments in Plantago lanceolata. American Naturalist, 1992, 139, 451-466. | 2.1 | 163 |

| # | Article | IF | Citations |
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| 19 | Lagging adaptation to warming climate in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7906-7913. | 7.1 | 157 |
| 20 | The earliest stages of adaptation in an experimental plant population: strong selection on QTLS for seed dormancy. Molecular Ecology, 2010, 19, 1335-1351. | 3.9 | 156 |
| 21 | Fitness Effects Associated with the Major Flowering Time Gene FRIGIDA in Arabidopsis thaliana in the Field. American Naturalist, 2007, 169, E141-E157. | 2.1 | 151 |
| 22 | Propagule size, dispersal ability, and seedling performance in Asclepias syriaca. Oecologia, 1985, 67, 372-379. | 2.0 | 147 |
| 23 | Dominance and Suppression, Size-Dependent Growth and Self-Thinning in a Natural Impatiens Capensis Population. Journal of Ecology, 1987, 75, 651. | 4.0 | 147 |
| 24 | Novel Loci Control Variation in Reproductive Timing in Arabidopsis thaliana in Natural Environments. Genetics, 2002, 162, 1875-1884. | 2.9 | 144 |
| 25 | ADAPTIVE DIVERGENCE IN PLASTICITY IN NATURAL POPULATIONS OF IMPATIENS CAPENSIS AND ITS CONSEQUENCES FOR PERFORMANCE IN NOVEL HABITATS. Evolution; International Journal of Organic Evolution, 2001, 55, 692. | 2.3 | 143 |
| 26 | Population Differentiation and Natural Selection for Waterâ€Use Efficiency in Impatiens capensis (Balsaminaceae). International Journal of Plant Sciences, 2002, 163, 907-912. | 1.3 | 131 |
| 27 | Co-Variation between Seed Dormancy, Growth Rate and Flowering Time Changes with Latitude in Arabidopsis thaliana. PLoS ONE, 2013, 8, e61075. | 2.5 | 130 |
| 28 | Multiple FLC haplotypes defined by independent cis-regulatory variation underpin life history diversity in Arabidopsis thaliana. Genes and Development, 2014, 28, 1635-1640. | 5.9 | 122 |
| 29 | The Effect of Distance from the Parental Site on Offspring Performance and Inbreeding Depression in Impatiens capensis: A Test of the Local Adaptation Hypothesis. Evolution; International Journal of Organic Evolution, 1990, 44, 2022. | 2.3 | 121 |
| 30 | ENVIRONMENTAL AND GENETIC INFLUENCES ON THE GERMINATION OF ARABIDOPSIS THALLANA IN THE FIELD. Evolution; International Journal of Organic Evolution, 2005, 59, 740-757. | 2.3 | 120 |
| 31 | Heterogeneous Selection at Specific Loci in Natural Environments in Arabidopsis thaliana. Genetics, 2003, 165, 321-329. | 2.9 | 119 |
| 32 | Environmental and genetic influences on the germination of Arabidopsis thaliana in the field. Evolution; International Journal of Organic Evolution, 2005, 59, 740-57. | 2.3 | 118 |
| 33 | The effect of maternal photoperiod on seasonal dormancy in Arabidopsis thaliana (Brassicaceae). American Journal of Botany, 2001, 88, 1240-1249. | 1.7 | 117 |
| 34 | Climate envelope modelling reveals intraspecific relationships among flowering phenology, niche breadth and potential range size in Arabidopsis thaliana. Ecology Letters, 2012, 15, 769-777. | 6.4 | 115 |
| 35 | Genetic variation in defensive chemistry in Plantago lanceolata (Plantaginaceae) and its effect on the specialist herbivore Junonia coenia (Nymphalidae). Oecologia, 1995, 101, 75-85. | 2.0 | 113 |
| 36 | EXPERIMENTAL STUDIES OF THE EVOLUTIONARY SIGNIFICANCE OF SEXUAL REPRODUCTION. IV. EFFECT OF NEIGHBOR RELATEDNESS AND APHID INFESTATION ON SEEDLING PERFORMANCE. Evolution; International Journal of Organic Evolution, 1986, 40, 830-836. | 2.3 | 110 |

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|---|---|---|---|
| 37 | Paternal and maternal effects on propagule size in Anthoxanthum odoratum. Oecologia, 1986, 69, 277-282. | 2.0 | 109 |
| 38 | Differential Dispersal of Self-Fertilized and Outcrossed Progeny in Jewelweed (Impatiens capensis). American Naturalist, 1985, 126, 570-575. | 2.1 | 109 |
| 39 | REACTION NORMS OF MORPHOLOGICAL AND LIFEâ€HISTORY TRAITS TO LIGHT AVAILABILITY IN IMPATIENS CAPENSIS. Evolution; International Journal of Organic Evolution, 1993, 47, 1654-1668. | 2.3 | 108 |
| 40 | Linkage Disequilibrium Mapping of Arabidopsis CRY2 Flowering Time AllelesSequence data from this article have been deposited with the EMBL/GenBank Data Libraries under accession nos. AY576055, AY576271.. Genetics, 2004, 167, 1361-1369. | 2.9 | 106 |
| 41 | Paths to selection on life history loci in different natural environments across the native range of <scp>A</scp>rabidopsis thaliana. Molecular Ecology, 2013, 22, 3552-3566. | 3.9 | 101 |
| 42 | NICHE CONSTRUCTION THROUGH GERMINATION CUEING: LIFE-HISTORY RESPONSES TO TIMING OF GERMINATION IN ARABIDOPSIS THALIANA. Evolution; International Journal of Organic Evolution, 2005, 59, 771-785. | 2.3 | 99 |
| 43 | Flowering plant density and pollinator visitation in Senecio. Oecologia, 1983, 60, 97-102. | 2.0 | 98 |
| 44 | DENSITY-DEPENDENT POLLINATOR FORAGING, FLOWERING PHENOLOGY, AND TEMPORAL POLLEN DISPERSAL PATTERNS IN LINANTHUS BICOLOR. Evolution; International Journal of Organic Evolution, 1983, 37, 1247-1257. | 2.3 | 98 |
| 45 | EVOLUTIONARY GENETICS OF RESISTANCE AND TOLERANCE TO NATURAL HERBIVORY IN ARABIDOPSIS THALIANA. Evolution; International Journal of Organic Evolution, 2003, 57, 1270-1280. | 2.3 | 98 |
| 46 | Modeling the Influence of Genetic and Environmental Variation on the Expression of Plant Life Cycles across Landscapes. American Naturalist, 2015, 185, 212-227. | 2.1 | 94 |
| 47 | Frequency and Microenvironmental Pattern of Selection on Plastic Shadeâ€Avoidance Traits in a Natural Population ofImpatiens capensis. American Naturalist, 2004, 163, 548-563. | 2.1 | 92 |
| 48 | The evolutionary ecology of seed germination of Arabidopsis thaliana: variable natural selection on germination timing. Evolution; International Journal of Organic Evolution, 2005, 59, 758-70. | 2.3 | 88 |
| 49 | A test of the short-term advantage of sexual reproduction. Nature, 1988, 331, 714-716. | 27.8 | 87 |
| 50 | Effects of genotype, habitat, and seasonal variation on iridoid glycoside content of Plantago lanceolata (Plantaginaceae) and the implications for insect herbivores. Oecologia, 1992, 91, 201-207. | 2.0 | 86 |
| 51 | EXPERIMENTAL STUDIES OF THE EVOLUTIONARY SIGNIFICANCE OF SEXUAL REPRODUCTION. III. MATERNAL AND PATERNAL EFFECTS DURING SEEDLING ESTABLISHMENT. Evolution; International Journal of Organic Evolution, 1986, 40, 817-829. | 2.3 | 85 |
| 52 | QTL architecture of resistance and tolerance traits in Arabidopsis thaliana in natural environments. Molecular Ecology, 2003, 12, 1153-1163. | 3.9 | 85 |
| 53 | A TEST OF THE SIBâ€COMPETITION HYPOTHESIS FOR OUTCROSSING ADVANTAGE IN IMPATIENS CAPENSIS. Evolution; International Journal of Organic Evolution, 1987, 41, 579-590. | 2.3 | 84 |
| 54 | THE GENETIC ARCHITECTURE OF PLASTICITY TO DENSITY IN IMPATIENS CAPENSIS. Evolution; International Journal of Organic Evolution, 1999, 53, 1377-1386. | 2.3 | 83 |

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| 55 | Light-Depedent Dominance and Suppression in Experimental Radish Populations. Ecology, 1986, 67, 1502-1507. | 3.2 | 78 |
| 56 | MICROGEOGRAPHIC GENETIC STRUCTURE OF MORPHOLOGICAL AND LIFE HISTORY TRAITS IN A NATURAL POPULATION OF IMPATIENS CAPENSIS. Evolution; International Journal of Organic Evolution, 1991, 45, 178-189. | 2.3 | 76 |
| 57 | Effects of Red to Farâ€Red Ratio and Plant Density on Biomass Allocation and Gas Exchange in Impatiens capensis. International Journal of Plant Sciences, 1999, 160, 723-733. | 1.3 | 74 |
| 58 | DENSITY DEPENDENCE AND POPULATION DIFFERENTIATION OF GENETIC ARCHITECTURE IN IMPATIENS CAPENSIS IN NATURAL ENVIRONMENTS. Evolution; International Journal of Organic Evolution, 2000, 54, 1969-1981. | 2.3 | 74 |
| 59 | Consequences of sexually dimorphic timing of emergence and flowering in Silene latifolia. Journal of Ecology, 1998, 86, 397-404. | 4.0 | 72 |
| 60 | GENETIC CONSTRAINTS ON THE INDEPENDENT EVOLUTION OF MALE AND FEMALE REPRODUCTIVE CHARACTERS IN THE TRISTYLOUS PLANT LYTHRUM SALICARIA. Evolution; International Journal of Organic Evolution, 1993, 47, 1457-1471. | 2.3 | 68 |
| 61 | Predicting the evolutionary dynamics of seasonal adaptation to novel climates in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2812-21. | 7.1 | 62 |
| 62 | A latitudinal cline and response to vernalization in leaf angle and morphology inArabidopsis thaliana(Brassicaceae). New Phytologist, 2008, 179, 155-164. | 7.3 | 60 |
| 63 | Functional variants of DOG1 control seed chilling responses and variation in seasonal life-history strategies in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2526-2534. | 7.1 | 60 |
| 64 | An augmented Arabidopsis phenology model reveals seasonal temperature control of flowering time. New Phytologist, 2012, 194, 654-665. | 7.3 | 57 |
| 65 | Vernalization sensitivity in Arabidopsis thaliana (Brassicaceae): the effects of latitude and FLC variation. American Journal of Botany, 2005, 92, 1701-1707. | 1.7 | 56 |
| 66 | Applying developmental threshold models to evolutionary ecology. Trends in Ecology and Evolution, 2015, 30, 66-77. | 8.7 | 50 |
| 67 | Enhancement of Inbreeding Depression by Dominance and Suppression in Impatiens capensis. Evolution; International Journal of Organic Evolution, 1990, 44, 269. | 2.3 | 47 |
| 68 | ENVIRONMENTAL AND GENETIC INFLUENCES ON THE GERMINATION OF ARABIDOPSIS THALIANA IN THE FIELD. Evolution; International Journal of Organic Evolution, 2005, 59, 740. | 2.3 | 47 |
| 69 | The role of climate adaptation in colonization success in Arabidopsis thaliana. Molecular Ecology, 2015, 24, 2253-2263. | 3.9 | 46 |
| 70 | Environmental Effects on the Expression of Quantitative Trait Loci and Implications for Phenotypic Evolution. BioScience, 2004, 54, 627. | 4.9 | 43 |
| 71 | Density-Dependent Pollinator Foraging, Flowering Phenology, and Temporal Pollen Dispersal Patterns in Linanthus bicolor. Evolution; International Journal of Organic Evolution, 1983, 37, 1247. | 2.3 | 42 |
| 72 | TESTING ADAPTIVE PLASTICITY TO UV: COSTS AND BENEFITS OF STEM ELONGATION AND LIGHT-INDUCED PHENOLICS. Evolution; International Journal of Organic Evolution, 2004, 58, 2645-2656. | 2.3 | 40 |

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| 73 | NEIGHBOR RELATEDNESS AND COMPETITIVE PERFORMANCE IN IMPATIENS CAPENSIS (BALSAMINACEAE): A TEST OF THE RESOURCE PARTITIONING HYPOTHESIS. American Journal of Botany, 1992, 79, 181-185. | 1.7 | 38 |
| 74 | ACROSS-ENVIRONMENT GENETIC CORRELATIONS AND THE FREQUENCY OF SELECTIVE ENVIRONMENTS SHAPE THE EVOLUTIONARY DYNAMICS OF GROWTH RATE IN IMPATIENS CAPENSIS. Evolution; International Journal of Organic Evolution, 2010, 64, no-no. | 2.3 | 38 |
| 75 | Reaction Norms of Morphological and Life-History Traits to Light Availability in Impatiens capensis. Evolution; International Journal of Organic Evolution, 1993, 47, 1654. | 2.3 | 36 |
| 76 | Natural selection on light response curve parameters in the herbaceous annual, Impatiens capensis. Oecologia, 2004, 139, 487-494. | 2.0 | 36 |
| 77 | Susceptibility to UV damage in Impatiens capensis (Balsaminaceae): testing for opportunity costs to shadeâ€avoidance and population differentiation. American Journal of Botany, 2001, 88, 1401-1408. | 1.7 | 35 |
| 78 | Large-effect flowering time mutations reveal conditionally adaptive paths through fitness landscapes in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17890-17899. | 7.1 | 35 |
| 79 | Dispersal biology of Liatris scariosa var. novaeâ€angliae (Asteraceae), a rare New England grassland perennial. American Journal of Botany, 2003, 90, 1159-1167. | 1.7 | 34 |
| 80 | Fluctuating, warm temperatures decrease the effect of a key floral repressor on flowering time in Arabidopsis thaliana. New Phytologist, 2016, 210, 564-576. | 7.3 | 33 |
| 81 | Niche construction through germination cueing: life-history responses to timing of germination in Arabidopsis thaliana. Evolution; International Journal of Organic Evolution, 2005, 59, 771-85. | 2.3 | 33 |
| 82 | Sexual Dimorphism of Dormancy and Survivorship in Buried Seeds of Silene Latifolia. Journal of Ecology, 1995, 83, 795. | 4.0 | 32 |
| 83 | The Genetic Architecture of Plasticity to Density in Impatiens capensis. Evolution; International Journal of Organic Evolution, 1999, 53, 1377. | 2.3 | 32 |
| 84 | PARTITIONING ADAPTIVE DIFFERENTIATION ACROSS A PATCHY LANDSCAPE: SHADE AVOIDANCE TRAITS INIMPATIENS CAPENSIS. Evolution; International Journal of Organic Evolution, 2008, 62, 654-667. | 2.3 | 32 |
| 85 | Maternal effects of drought stress and inbreeding in Impatiens capensis (Balsaminaceae). American Journal of Botany, 2007, 94, 1984-1991. | 1.7 | 31 |
| 86 | The seasonal climate niche predicts phenology and distribution of an ephemeral annual plant, Mollugo verticillata. Journal of Ecology, 2017, 105, 1323-1334. | 4.0 | 31 |
| 87 | Variation in the seasonal germination niche across an elevational gradient: the role of germination cueing in current and future climates. American Journal of Botany, 2020, 107, 350-363. | 1.7 | 31 |
| 88 | Ecosystem engineers as selective agents: the effects of leaf litter on emergence time and early growth in Impatiens capensis. Ecology Letters, 2006, 9, 258-270. | 6.4 | 28 |
| 89 | Polymorphic Genes of Major Effect: Consequences for Variation, Selection and Evolution in Arabidopsis thaliana. Genetics, 2009, 182, 911-922. | 2.9 | 28 |
| 90 | Physiological mechanism of population differentiation in shadeâ€avoidance responses between woodland and clearing genotypes ofImpatiens capensis. American Journal of Botany, 2005, 92, 868-874. | 1.7 | 27 |

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| 91 | Germination timing and chilling exposure create contingency in life history and influence fitness in the native wildflower Streptanthus tortuosus. Journal of Ecology, 2020, 108, 239-255. | 4.0 | 27 |
| 92 | Distinct Patterns of Genetic Variation Alter Flowering Responses of Arabidopsis Accessions to Different Daylengths. Plant Physiology, 2009, 152, 177-191. | 4.8 | 26 |
| 93 | THE EVOLUTIONARY ECOLOGY OF SEED GERMINATION OF ARABIDOPSIS THALIANA: VARIABLE NATURAL SELECTION ON GERMINATION TIMING. Evolution; International Journal of Organic Evolution, 2005, 59, 758. | 2.3 | 24 |
| 94 | Testing the Adaptive Plasticity Hypothesis for Plant Responses to Neighbors. Plant Species Biology, 1996, 11, 59-67. | 1.0 | 23 |
| 95 | Population differentiation and genetic variation inform translocation decisions for Liatris scariosa var. novae-angliae, a rare New England grassland perennial. Biological Conservation, 2005, 124, 155-167. | 4.1 | 23 |
| 96 | ADAPTIVE DIVERGENCE IN PLASTICITY IN NATURAL POPULATIONS OF IMPATIENS CAPENSIS AND ITS CONSEQUENCES FOR PERFORMANCE IN NOVEL HABITATS. Evolution; International Journal of Organic Evolution, 2001, 55, 692-702. | 2.3 | 23 |
| 97 | Interacting effects of genetic variation for seed dormancy and flowering time on phenology, life history, and fitness of experimental Arabidopsis thaliana populations over multiple generations in the field. New Phytologist, 2017, 216, 291-302. | 7.3 | 23 |
| 98 | EVIDENCE OF ADAPTIVE DIVERGENCE IN PLASTICITY: DENSITY- AND SITE-DEPENDENT SELECTION ON SHADE-AVOIDANCE RESPONSES IN IMPATIENS CAPENSIS. Evolution; International Journal of Organic Evolution, 2000, 54, 1956. | 2.3 | 22 |
| 99 | Testing for stressâ€dependent inbreeding depression in Impatiens capensis (Balsaminaceae). American Journal of Botany, 2005, 92, 1322-1329. | 1.7 | 22 |
| 100 | Maternal Effects and Germination Timing Mediate the Expression of Winter and Spring Annual Life Histories in Arabidopsis thaliana. International Journal of Plant Sciences, 2007, 168, 205-214. | 1.3 | 22 |
| 101 | PLASTICITY TO LIGHT CUES AND RESOURCES IN ARABIDOPSIS THALIANA: TESTING FOR ADAPTIVE VALUE AND COSTS. Evolution; International Journal of Organic Evolution, 2000, 54, 1982. | 2.3 | 21 |
| 102 | Neighbor Relatedness and Competitive Performance in Impatiens capensis (Balsaminaceae): A Test of the Resource Partitioning Hypothesis. American Journal of Botany, 1992, 79, 181. | 1.7 | 19 |
| 103 | EFFECT OF ENVIRONMENT ON PERCENTAGE FEMALE RAY FLORETS PER CAPITULUM AND OUTCROSSING POTENTIAL IN A SELFâ€COMPATIBLE COMPOSITE ( SENECIO VULGARIS L. VAR. HIBERNICUS SYME). New Phytologist, 1985, 101, 219-229. | 7.3 | 17 |
| 104 | Evidence for population differentiation among Jeffrey and Ponderosa pines in survival, growth and phenology. Forest Ecology and Management, 2019, 434, 40-48. | 3.2 | 15 |
| 105 | Experimental Studies of the Evolutionary Significance of Sexual Reproduction. III. Maternal and Paternal Effects During Seedling Establishment. Evolution; International Journal of Organic Evolution, 1986, 40, 817. | 2.3 | 13 |
| 106 | MATERNAL AND PATERNAL EFFECTS ON FOLLICLE PRODUCTION IN THE MILKWEED ASCLEPIAS SYRIACA (ASCLEPIADACEAE). American Journal of Botany, 1991, 78, 1304-1309. | 1.7 | 13 |
| 107 | Phenological and fitness responses to climate warming depend upon genotype and competitive neighbourhood in Arabidopsis thaliana. Functional Ecology, 2019, 33, 308-322. | 3.6 | 9 |
| 108 | Introduction: Experimental Approaches to Testing Adaptation. American Naturalist, 1999, 154, S1-S3. | 2.1 | 8 |

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| 109 | EVOLUTIONARY GENETICS OF RESISTANCE AND TOLERANCE TO NATURAL HERBIVORY IN ARABIDOPSIS THALIANA. Evolution; International Journal of Organic Evolution, 2003, 57, 1270. | 2.3 | 8 |
| 110 | Adaptive significance of flowering time variation across natural seasonal environments in Arabidopsis thaliana. New Phytologist, 2022, 234, 719-734. | 7.3 | 7 |
| 111 | DENSITY DEPENDENCE AND POPULATION DIFFERENTIATION OF GENETIC ARCHITECTURE IN IMPATIENS CAPENSIS IN NATURAL ENVIRONMENTS. Evolution; International Journal of Organic Evolution, 2000, 54, 1969. | 2.3 | 6 |
| 112 | Testing mechanisms and context dependence of costs of plastic shade avoidance responses inImpatiens capensis(Balsaminaceae). American Journal of Botany, 2011, 98, 1602-1612. | 1.7 | 6 |
| 113 | Early Developmental Responses to Seedling Environment Modulate Later Plasticity to Light Spectral Quality. PLoS ONE, 2012, 7, e34121. | 2.5 | 6 |
| 114 | Sexual advantage. Nature, 1989, 337, 413-414. | 27.8 | 3 |
| 115 | TESTING ADAPTIVE PLASTICITY TO UV: COSTS AND BENEFITS OF STEM ELONGATION AND LIGHT-INDUCED PHENOLICS. Evolution; International Journal of Organic Evolution, 2004, 58, 2645. | 2.3 | 2 |