# Arthur E Weis

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 87 papers | 4,686 citations | 101543 36 h-index | 106344 65 g-index |
| 91 all docs | 91 docs citations | 91 times ranked | 4096 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ecological and Evolutionary Stochasticity Shape Natural Selection. American Naturalist, 2020, 195, 705-716. | 2.1 | 4 |
| 2 | Comparing methods for controlled capture and quantification of pollen in <i>Cannabis sativa</i>. Applications in Plant Sciences, 2020, 8, e11389. | 2.1 | 11 |
| 3 | Variation in pollinator-mediated plant reproduction across an urbanization gradient. Oecologia, 2020, 192, 1073-1083. | 2.0 | 21 |
| 4 | Isolation by phenology synergizes isolation by distance across a continuous landscape. New Phytologist, 2019, 224, 1215-1228. | 7.3 | 8 |
| 5 | Artificial seed aging reveals the invisible fraction: Implications for evolution experiments using the resurrection approach. Evolutionary Ecology, 2019, 33, 811-824. | 1.2 | 14 |
| 6 | Estimating the impact of divergent mating phenology between residents and migrants on the potential for gene flow. Ecology and Evolution, 2019, 9, 3770-3783. | 1.9 | 4 |
| 7 | Phenological responses to multiple environmental drivers under climate change: insights from a longâ€term observational study and a manipulative field experiment. New Phytologist, 2018, 218, 517-529. | 7.3 | 82 |
| 8 | Detecting the â€œinvisible fractionâ€•bias in resurrection experiments. Evolutionary Applications, 2018, 11, 88-95. | 3.1 | 43 |
| 9 | Using the resurrection approach to understand contemporary evolution in changing environments. Evolutionary Applications, 2018, 11, 17-28. | 3.1 | 91 |
| 10 | Two decades of evolutionary changes in <i>Brassica rapa</i> in response to fluctuations in precipitation and severe drought. Evolution; International Journal of Organic Evolution, 2018, 72, 2682-2696. | 2.3 | 42 |
| 11 | Selection for pollen competitive ability in mixed-mating systems. Evolution; International Journal of Organic Evolution, 2018, 72, 2513-2536. | 2.3 | 17 |
| 12 | Ecology: Plant Parasites Victimized by a Parasitic Plant. Current Biology, 2018, 28, R877-R879. | 3.9 | 0 |
| 13 | Phenological mismatch and the effectiveness of assisted gene flow. Conservation Biology, 2017, 31, 547-558. | 4.7 | 21 |
| 14 | Temporal population genetic structure in the pollen pool for flowering time: A field experiment withBrassica rapa(Brassicaceae). American Journal of Botany, 2017, 104, 1569-1580. | 1.7 | 6 |
| 15 | The causes of selection on flowering time through male fitness in a hermaphroditic annual plant. Evolution; International Journal of Organic Evolution, 2016, 70, 111-125. | 2.3 | 15 |
| 16 | Project Baseline: An unprecedented resource to study plant evolution across space and time. American Journal of Botany, 2016, 103, 164-173. | 1.7 | 58 |
| 17 | Estimating selection through male fitness: three complementary methods illuminate the nature and causes of selection on flowering time. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152635. | 2.6 | 10 |
| 18 | Inheritance of Rapid Cycling in<i>Brassica rapa</i>Fast Plants: Dominance That Increases with Photoperiod. International Journal of Plant Sciences, 2015, 176, 859-868. | 1.3 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The success of assisted colonization and assisted gene flow depends on phenology. Global Change Biology, 2015, 21, 3786-3799. | 9.5 | 37 |
| 20 | Hard and soft selection on phenology through seasonal shifts in the general and social environments: A study on plant emergence time. Evolution; International Journal of Organic Evolution, 2015, 69, 1361-1374. | 2.3 | 22 |
| 21 | What drives selection on flowering time? An experimental manipulation of the inherent correlation between genotype and environment. Evolution; International Journal of Organic Evolution, 2015, 69, 2018-2033. | 2.3 | 24 |
| 22 | Pollen packing affects the function of pollen on corbiculate bees but not non-corbiculate bees. Arthropod-Plant Interactions, 2015, 9, 197-203. | 1.1 | 61 |
| 23 | On the potential strength and consequences for nonrandom gene flow caused by local adaptation in flowering time. Journal of Evolutionary Biology, 2015, 28, 699-714. | 1.7 | 12 |
| 24 | Simultaneous pulsed flowering in a temperate legume: causes and consequences of multimodality in the shape of floral display schedules. Journal of Ecology, 2015, 103, 316-327. | 4.0 | 7 |
| 25 | Withinâ€plant variation in reproductive investment: consequences for selection on flowering time. Journal of Evolutionary Biology, 2015, 28, 65-79. | 1.7 | 23 |
| 26 | The strength of assortative mating for flowering date and its basis in individual variation in flowering schedule. Journal of Evolutionary Biology, 2014, 27, 2138-2151. | 1.7 | 27 |
| 27 | Temporal variation in phenotypic gender and expected functional gender within and among individuals in an annual plant. Annals of Botany, 2014, 114, 167-177. | 2.9 | 9 |
| 28 | The shape of selection: using alternative fitness functions to test predictions for selection on flowering time. Evolutionary Ecology, 2014, 28, 885-904. | 1.2 | 35 |
| 29 | Describing Flowering Schedule Shape through Multivariate Ordination. International Journal of Plant Sciences, 2014, 175, 70-79. | 1.3 | 7 |
| 30 | Gall insects and selection on plant vigor: can susceptibility compromise success in competition?. Arthropod-Plant Interactions, 2014, 8, 205-212. | 1.1 | 1 |
| 31 | The impact of snow accumulation on a heath spider community in a sub-Arctic landscape. Polar Biology, 2013, 36, 885-894. | 1.2 | 11 |
| 32 | Climate change alters reproductive isolation and potential gene flow in an annual plant. Evolutionary Applications, 2009, 2, 481-488. | 3.1 | 46 |
| 33 | The Resurrection Initiative: Storing Ancestral Genotypes to Capture Evolution in Action. BioScience, 2008, 58, 870-873. | 4.9 | 86 |
| 34 | Rapid evolution of flowering time by an annual plant in response to a climate fluctuation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1278-1282. | 7.1 | 920 |
| 35 | Spatial scale of local adaptation and population genetic structure in a miniature succulent, Argyroderma pearsonii. New Phytologist, 2007, 174, 904-914. | 7.3 | 15 |
| 36 | Time after time: flowering phenology and biotic interactions. Trends in Ecology and Evolution, 2007, 22, 432-439. | 8.7 | 556 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | EVOLUTIONARY RADIATION OF "STONE PLANTS" IN THE GENUS ARGYRODERMA (AIZOACEAE): UNRAVELING THE EFFECTS OF LANDSCAPE, HABITAT, AND FLOWERING TIME. Evolution; International Journal of Organic Evolution, 2006, 60, 39-55. | 2.3 | 65 |
| 38 | Coexistence and differentiation of 'flowering stones': the role of local adaptation to soil microenvironment. Journal of Ecology, 2006, 94, 322-335. | 4.0 | 60 |
| 39 | Herbivory tolerance and coevolution: an alternative to the arms race?. New Phytologist, 2006, 170, 423-425. | 7.3 | 10 |
| 40 | EVOLUTIONARY RADIATION OF â€œSTONE PLANTSâ€•IN THE GENUS ARGYRODERMA (AIZOACEAE): UNRAVELING THE EFFECTS OF LANDSCAPE, HABITAT, AND FLOWERING TIME. Evolution; International Journal of Organic Evolution, 2006, 60, 39. | 2.3 | 2 |
| 41 | Evolutionary radiation of "stone plants" in the genus Argyroderma (Aizoaceae): unraveling the effects of landscape, habitat, and flowering time. Evolution; International Journal of Organic Evolution, 2006, 60, 39-55. | 2.3 | 61 |
| 42 | Direct and indirect assortative mating: a multivariate approach to plant flowering schedules. Journal of Evolutionary Biology, 2005, 18, 536-546. | 1.7 | 36 |
| 43 | Genetic variation in flowering time induces phenological assortative mating: quantitative genetic methods applied to <i>Brassica rapa</i>. American Journal of Botany, 2004, 91, 825-836. | 1.7 | 101 |
| 44 | Stress-induced assortative mating and the evolution of stress resistance. Ecology Letters, 2004, 7, 785-793. | 6.4 | 15 |
| 45 | Impact of ecological factors on the initial invasion of Bt transgenes into wild populations of birdseed rape (Brassica rapa). Theoretical and Applied Genetics, 2004, 109, 806-814. | 3.6 | 68 |
| 46 | Bagging the lag. Nature, 2001, 409, 992-993. | 27.8 | 2 |
| 47 | Will plant vigor and tolerance be genetically correlated? Effects of intrinsic growth rate and self-limitation on regrowth. Evolutionary Ecology, 2000, 14, 331-352. | 1.2 | 38 |
| 48 | The Diverse Effects of Intraspecific Competition on the Selective Advantage to Resistance: A Model and Its Predictions. American Naturalist, 2000, 156, 276-292. | 2.1 | 44 |
| 49 | THE CONSEQUENCES OF FLORAL HERBIVORY FOR POLLINATOR SERVICE TOISOMERIS ARBOREA. Ecology, 1999, 80, 125-134. | 3.2 | 153 |
| 50 | The Effect of Floral Herbivory on Male and Female Reproductive Success in Isomeris arborea. Ecology, 1999, 80, 135. | 3.2 | 26 |
| 51 | THE EFFECT OF FLORAL HERBIVORY ON MALE AND FEMALE REPRODUCTIVE SUCCESS INISOMERIS ARBOREA. Ecology, 1999, 80, 135-149. | 3.2 | 113 |
| 52 | The Consequences of Floral Herbivory for Pollinator Service to Isomeris arborea. Ecology, 1999, 80, 125. | 3.2 | 75 |
| 53 | Adaptation of Coyote Brush to the Abiotic Environment and Its Effects on Susceptibility to a Gall-Making Midge. Oikos, 1999, 84, 199. | 2.7 | 11 |
| 54 | Title is missing!. Plant Ecology, 1998, 134, 151-162. | 1.6 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Inbreeding and outcrossing in Yucca whipplei: consequences for the reproductive success of plant and pollinator. Ecology Letters, 1998, 1, 21-24. | 6.4 | 10 |
| 56 | Differential abortion in the yucca. Nature, 1995, 376, 557-558. | 27.8 | 51 |
| 57 | Direct and Indirect Effects of Prior Grazing of Goldenrod upon the Performance of a Leaf Beetle. Ecology, 1995, 76, 426-436. | 3.2 | 33 |
| 58 | Variable Selection on Eurosta's Gall Size. II. A Path Analysis of the Ecological Factors Behind Selection. Evolution; International Journal of Organic Evolution, 1994, 48, 734. | 2.3 | 13 |
| 59 | VARIABLE SELECTION ON <i>EUROSTA'</i> S GALL SIZE. II. A PATH ANALYSIS OF THE ECOLOGICAL FACTORS BEHIND SELECTION. Evolution; International Journal of Organic Evolution, 1994, 48, 734-745. | 2.3 | 32 |
| 60 | Depth Associations and Utilization Patterns in the Parasitoid Guild of Asphondylia rudbeckiaeconspicua (Diptera: Cecidomyiidae). Environmental Entomology, 1994, 23, 115-121. | 1.4 | 6 |
| 61 | Host gall size predicts host quality for the parasitoidEurytoma gigantea (Hymenoptera: eurytomidae), but can the parasitoid tell?. Journal of Insect Behavior, 1993, 6, 591-602. | 0.7 | 9 |
| 62 | Galls from the Inside Out. Ecology, 1993, 74, 1910-1911. | 3.2 | 0 |
| 63 | Variable Selection on Eurosta's Gall Size, I: The Extent and Nature of Variation in Phenotypic Selection. Evolution; International Journal of Organic Evolution, 1992, 46, 1674. | 2.3 | 38 |
| 64 | VARIABLE SELECTION ON <i>EUROSTA</i> 'S GALL SIZE, I: THE EXTENT AND NATURE OF VARIATION IN PHENOTYPIC SELECTION. Evolution; International Journal of Organic Evolution, 1992, 46, 1674-1697. | 2.3 | 87 |
| 65 | Plant Genotype: A Variable Factor in Insectâ€“Plant Interactions. , 1992, , 75-111. | | 18 |
| 66 | Oviposition Behavior and Response to Plant Height by Eurosta solidaginis Fitch (Diptera: Tephritidae). Annals of the Entomological Society of America, 1990, 83, 509-514. | 2.5 | 23 |
| 67 | MEASURING SELECTION ON REACTION NORMS: AN EXPLORATION OF THE EUROSTAâ€SOLIDAGO SYSTEM. Evolution; International Journal of Organic Evolution, 1990, 44, 820-831. | 2.3 | 107 |
| 68 | Measuring Selection on Reaction Norms: An Exploration of the Eurosta-solidago System. Evolution; International Journal of Organic Evolution, 1990, 44, 820. | 2.3 | 47 |
| 69 | GENOTYPIC VARIATION AND INTEGRATION IN HISTOLOGICAL FEATURES OF THE GOLDENROD BALL GALL. American Journal of Botany, 1989, 76, 1541-1550. | 1.7 | 11 |
| 70 | Can there be an escalating arms race without coevolution? Implications from a host-parasitoid simulation. Evolutionary Ecology, 1989, 3, 361-370. | 1.2 | 17 |
| 71 | Variation in selection pressures on the goldenrod gall fly and the competitive interactions of its natural enemies. Oecologia, 1989, 79, 15-22. | 2.0 | 79 |
| 72 | Stressed Plants and What Bugs them. Ecology, 1989, 70, 1958-1958. | 3.2 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Genotypic Variation and Integration in Histological Features of the Goldenrod Ball Gall. American Journal of Botany, 1989, 76, 1541. | 1.7 | 8 |
| 74 | GENETIC AND MATERNAL EFFECTS ON SEEDLING CHARACTERS OF SOLIDAGO ALTISSIMA (COMPOSITAE). American Journal of Botany, 1987, 74, 1476-1486. | 1.7 | 37 |
| 75 | Genetic and Maternal Effects on Seedling Characters of Solidago altissima (Compositae). American Journal of Botany, 1987, 74, 1476. | 1.7 | 12 |
| 76 | Evolution of Host-Plant Manipulation by Gall Makers: Ecological and Genetic Factors in the Solidago-eurosta System. American Naturalist, 1986, 127, 681-695. | 2.1 | 143 |
| 77 | Host gall size and oviposition success by the parasitoid Eurytoma gigantea. Ecological Entomology, 1985, 10, 341-348. | 2.2 | 92 |
| 78 | Potential Selective Pressures by Parasitoids on a Plant-Herbivore Interaction. Ecology, 1985, 66, 1261-1269. | 3.2 | 122 |
| 79 | Goldenrod Ball Gall Effects on Solidago altissima: 14C Translocation and Growth. Ecology, 1985, 66, 1902-1907. | 3.2 | 99 |
| 80 | Size, Function and Life History William A. Calder, III. Auk, 1985, 102, 434-435. | 1.4 | 0 |
| 81 | APICAL DOMINANCE ASSERTED OVER LATERAL BUDS BY THE GALL OF<i>RHABDOPHAGA STROBILOIDES</i>(DIPTERA: CECIDOMYIIDAE). Canadian Entomologist, 1984, 116, 1277-1279. | 0.8 | 7 |
| 82 | Manipulation of host plant development by the gall-midge Rhabdophaga strobiloides. Ecological Entomology, 1984, 9, 457-465. | 2.2 | 67 |
| 83 | Patterns of Parasitism by Torymus capite on Hosts Distributed in Small Patches. Journal of Animal Ecology, 1983, 52, 867. | 2.8 | 40 |
| 84 | Selective Pressures on Clutch Size in the Gall Maker Asteromyia Carbonifera. Ecology, 1983, 64, 688-695. | 3.2 | 60 |
| 85 | Use of Symbiotic Fungus by The Gall Maker Asteromyia Carbonifera to Inhibit Attack by the Parasitoid Torymus Capite. Ecology, 1982, 63, 1602-1605. | 3.2 | 41 |
| 86 | Resource Utilization Patterns in a Community of Gall-Attacking Parasitoids. Environmental Entomology, 1982, 11, 809-815. | 1.4 | 39 |
| 87 | Parasitoids and Competition. American Naturalist, 1980, 116, 876-881. | 2.1 | 6 |