

Jessica A Savage

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,120
citations

567144

15
h-index

501076

28
g-index

29
all docs

29
docs citations

29
times ranked

1874
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Allocation, stress tolerance and carbon transport in plants: how does phloem physiology affect plant ecology?. <i>Plant, Cell and Environment</i> , 2016, 39, 709-725. | 2.8 | 164 |
| 2 | Testing the Münch hypothesis of long distance phloem transport in plants. <i>ELife</i> , 2016, 5, . | 2.8 | 137 |
| 3 | Atmospheric and soil drought reduce nocturnal conductance in live oaks. <i>Tree Physiology</i> , 2007, 27, 611-620. | 1.4 | 96 |
| 4 | Habitat specialization and the role of trait lability in structuring diverse willow (genus <i>Salix</i>) communities. <i>Ecology</i> , 2012, 93, S138. | 1.5 | 74 |
| 5 | Soil moisture and chemistry influence diversity of ectomycorrhizal fungal communities associating with willow along an hydrologic gradient. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiv148. | 1.3 | 72 |
| 6 | Phenological cues drive an apparent trade-off between freezing tolerance and growth in the family Salicaceae. <i>Ecology</i> , 2013, 94, 1708-1717. | 1.5 | 71 |
| 7 | Optimal concentration for sugar transport in plants. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130055. | 1.5 | 63 |
| 8 | Maintenance of carbohydrate transport in tall trees. <i>Nature Plants</i> , 2017, 3, 965-972. | 4.7 | 59 |
| 9 | Phloem Transport Velocity Varies over Time and among Vascular Bundles during Early Cucumber Seedling Development. <i>Plant Physiology</i> , 2013, 163, 1409-1418. | 2.3 | 50 |
| 10 | Soil abiotic variables are more important than Salicaceae phylogeny or habitat specialization in determining soil microbial community structure. <i>Molecular Ecology</i> , 2018, 27, 2007-2024. | 2.0 | 44 |
| 11 | Contrasting drought survival strategies of sympatric willows (genus: <i>Salix</i>): consequences for coexistence and habitat specialization. <i>Tree Physiology</i> , 2011, 31, 604-614. | 1.4 | 38 |
| 12 | Coordination of spring vascular and organ phenology in deciduous angiosperms growing in seasonally cold climates. <i>New Phytologist</i> , 2021, 230, 1700-1715. | 3.5 | 31 |
| 13 | The making of giant pumpkins: how selective breeding changed the phloem of <i>Cucurbita maxima</i> from source to sink. <i>Plant, Cell and Environment</i> , 2015, 38, 1543-1554. | 2.8 | 29 |
| 14 | Willow species (genus: <i>Salix</i>) with contrasting habitat affinities differ in their photoprotective responses to water stress. <i>Functional Plant Biology</i> , 2009, 36, 300. | 1.1 | 28 |
| 15 | Ontogenetic scaling of phloem sieve tube anatomy and hydraulic resistance with tree height in <i>Quercus rubra</i> . <i>American Journal of Botany</i> , 2020, 107, 852-863. | 0.8 | 17 |
| 16 | A temporal shift in resource allocation facilitates flowering before leaf out and spring vessel maturation in precocious species. <i>American Journal of Botany</i> , 2019, 106, 113-122. | 0.8 | 15 |
| 17 | An experimental test of fitness variation across a hydrologic gradient predicts willow and poplar species distributions. <i>Ecology</i> , 2017, 98, 1311-1323. | 1.5 | 14 |
| 18 | Contrasting effects of plant species traits and moisture on the decomposition of multiple litter fractions. <i>Oecologia</i> , 2015, 179, 573-584. | 0.9 | 13 |

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|----|---|-----|-----------|
| 19 | Immunodetection of Cell Wall Pectin Galactan Opens up New Avenues for Phloem Research. <i>Plant Physiology</i> , 2020, 183, 1435-1437. | 2.3 | 12 |
| 20 | Extended leaf phenology has limited benefits for invasive species growing at northern latitudes. <i>Biological Invasions</i> , 2020, 22, 2957-2974. | 1.2 | 12 |
| 21 | Seasonal changes in temperate woody plant phloem anatomy and physiology: implications for long-distance transport. <i>AoB PLANTS</i> , 2021, 13, plab028. | 1.2 | 11 |
| 22 | It's all about timing— or is it? Exploring the potential connection between phloem physiology and whole plant phenology. <i>American Journal of Botany</i> , 2020, 107, 848-851. | 0.8 | 10 |
| 23 | Impact of hemlock woolly adelgid (<i>Adelges tsugae</i>) infestation on xylem structure and function and leaf physiology in eastern hemlock (<i>Tsuga canadensis</i>). <i>Functional Plant Biology</i> , 2018, 45, 501. | 1.1 | 9 |
| 24 | Consequences of salinity and freezing stress for two populations of <i>Quercus virginiana</i> Mill. (<i>Fagaceae</i>) grown in a common garden. <i>Journal of the Torrey Botanical Society</i> , 2013, 140, 145-156. | 0.1 | 6 |
| 25 | Leaf out time correlates with wood anatomy across large geographic scales and within local communities. <i>New Phytologist</i> , 2022, 235, 953-964. | 3.5 | 5 |
| 26 | Early spring flowers rely on xylem hydration but are not limited by stem xylem conductivity. <i>New Phytologist</i> , 2022, 233, 838-850. | 3.5 | 4 |
| 27 | Understory evapotranspiration rates in a coast redwood forest. <i>Ecohydrology</i> , 2022, 15, . | 1.1 | 3 |
| 28 | Measuring Phloem Transport Velocity on a Tissue Level Using a Phloem-Mobile Dye. <i>Methods in Molecular Biology</i> , 2019, 2014, 203-211. | 0.4 | 0 |