# Elisabeth Huber Sannwald

List of Publications by Year
in descending order



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|---|---|---|---|
| 33 papers | 5,507 citations | 394421 19 h-index | 414414 32 g-index |
| 33 all docs | 33 docs citations | 33 times ranked | 7316 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Global Desertification: Building a Science for Dryland Development. Science, 2007, 316, 847-851. | 12.6 | 2,072 |
| 2 | Plant Species Richness and Ecosystem Multifunctionality in Global Drylands. Science, 2012, 335, 214-218. | 12.6 | 1,043 |
| 3 | Decoupling of soil nutrient cycles as a function of aridity in global drylands. Nature, 2013, 502, 672-676. | 27.8 | 733 |
| 4 | Increasing aridity reduces soil microbial diversity and abundance in global drylands. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15684-15689. | 7.1 | 728 |
| 5 | Soil fungal abundance and plant functional traits drive fertile island formation in global drylands. Journal of Ecology, 2018, 106, 242-253. | 4.0 | 123 |
| 6 | Towards a predictive framework for biocrust mediation of plant performance: A metaâ€analysis. Journal of Ecology, 2019, 107, 2789-2807. | 4.0 | 92 |
| 7 | What is a biocrust? A refined, contemporary definition for a broadening research community. Biological Reviews, 2022, 97, 1768-1785. | 10.4 | 87 |
| 8 | Climate and soil attributes determine plant species turnover in global drylands. Journal of Biogeography, 2014, 41, 2307-2319. | 3.0 | 76 |
| 9 | Navigating challenges and opportunities of land degradation and sustainable livelihood development in dryland socialâ€“ecological systems: a case study from Mexico. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 3158-3177. | 4.0 | 59 |
| 10 | Landscape diversity in a rural territory: Emerging land use mosaics coupled to livelihood diversification. Land Use Policy, 2013, 30, 814-824. | 5.6 | 53 |
| 11 | Establishing Native Grasses in a Big Sagebrush-Dominated Site: An Intermediate Restoration Step. Restoration Ecology, 2005, 13, 292-301. | 2.9 | 49 |
| 12 | Early stage of single and mixed leaf-litter decomposition in semiarid forest pine-oak: the role of rainfall and microsite. Biogeochemistry, 2012, 108, 245-258. | 3.5 | 42 |
| 13 | Long-term soil organic carbon and nitrogen dynamics after conversion of tropical forest to traditional sugarcane agriculture in East Mexico. Soil and Tillage Research, 2015, 147, 20-29. | 5.6 | 42 |
| 14 | Ecohydrological feedbacks and linkages associated with land degradation: a case study from Mexico. Hydrological Processes, 2006, 20, 3395-3411. | 2.6 | 41 |
| 15 | Human impacts and aridity differentially alter soil <scp>N</scp> availability in drylands worldwide. Global Ecology and Biogeography, 2016, 25, 36-45. | 5.8 | 33 |
| 16 | Drought manipulation and its direct and legacy effects on productivity of a monodominant and mixed-species semi-arid grassland. Agricultural and Forest Meteorology, 2016, 223, 132-140. | 4.8 | 33 |
| 17 | Morphological Plasticity Following Species-Specific Recognition and Competition in Two Perennial Grasses. American Journal of Botany, 1996, 83, 919. | 1.7 | 29 |
| 18 | Heterogeneous Soil-Resource Distribution and Plant Responses â€" from Individual-Plant Growth to Ecosystem Functioning. Progress in Botany Fortschritte Der Botanik, 2001, , 451-476. | 0.3 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Opportunities for advancing carbon cycle science in Mexico: toward a continental scale understanding. Environmental Science and Policy, 2012, 21, 84-93. | 4.9 | 23 |
| 20 | Holistic, adaptive management of the terrestrial carbon cycle at local and regional scales. Global Environmental Change, 2008, 18, 128-141. | 7.8 | 18 |
| 21 | Geoecohydrological mechanisms couple soil and leaf water dynamics and facilitate species coexistence in shallow soils of a tropical semiarid mixed forest. New Phytologist, 2015, 207, 59-69. | 7.3 | 18 |
| 22 | Application of ecosystem services in natural resource management decision making. Integrated Environmental Assessment and Management, 2017, 13, 74-84. | 2.9 | 16 |
| 23 | Changing humanâ€“ecological relationships and drivers using the Quesungual agroforestry system in western Honduras. Renewable Agriculture and Food Systems, 2010, 25, 219-227. | 1.8 | 12 |
| 24 | Fine-Scale Spatial Genetic Structure in Perennial Grasses in Three Environments. Rangeland Ecology and Management, 2009, 62, 356-363. | 2.3 | 11 |
| 25 | Potential Biodiversity Change: Global Patterns and Biome Comparisons. Ecological Studies, 2001, , 351-367. | 1.2 | 8 |
| 26 | UNDERSTANDING GLOBAL DESERTIFICATION: BIOPHYSICAL AND SOCIOECONOMIC DIMENSIONS OF HYDROLOGY. , 2006, , 315-332. | | 7 |
| 27 | Biocrusts in Mexican deserts and semideserts: A review of their species composition, ecology, and ecosystem function. Journal of Arid Environments, 2022, 199, 104712. | 2.4 | 7 |
| 28 | Plant phenotypic functional composition effects on soil processes in a semiarid grassland. Soil Biology and Biochemistry, 2013, 66, 1-9. | 8.8 | 6 |
| 29 | Impacts of Drought on Agriculture in Northern Mexico. Hexagon Series on Human and Environmental Security and Peace, 2011, , 875-891. | 0.2 | 6 |
| 30 | Functional ecohydrological differences among native and exotic grassland covers in sub-urban landscapes of Chihuahua city, Mexico. Landscape and Urban Planning, 2015, 139, 54-62. | 7.5 | 5 |
| 31 | Effects of habitat type on bird nesting in the desert grasslands of central Mexico: conservation implications. Oryx, 2010, 44, 448-454. | 1.0 | 3 |
| 32 | Climate predictors and climate change projections for avian haemosporidian prevalence in Mexico. Parasitology, 2022, 149, 1129-1144. | 1.5 | 3 |
| 33 | The Future of Biodiversity in a Changing World. Ecological Studies, 2001, , 1-4. | 1.2 | 2 |