Christian SchÃ¶b

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9322710/publications.pdf

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83	4,400	172386	118793
papers	citations	29 h-index	62 g-index

95	95	95	5060
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using plant traits to understand the contribution of biodiversity effects to annual crop community productivity. Ecological Applications, 2022, 32, e02479.	1.8	13
2	Effect of Drought on Bean Yield Is Mediated by Intraspecific Variation in Crop Mixtures. Frontiers in Plant Science, 2022, 13, 813417.	1.7	2
3	Active and adaptive plasticity in a changing climate. Trends in Plant Science, 2022, 27, 717-728.	4.3	35
4	Temporal dynamics of biodiversity effects and lightâ€useâ€related traits in two intercropping systems. , 2022, 1, 54-65.		8
5	Moderate shading did not affect barley yield in temperate silvoarable agroforestry systems. Agroforestry Systems, 2022, 96, 799-810.	0.9	10
6	Using spatially-explicit plant competition models to optimise crop productivity in intercropped systems. Basic and Applied Ecology, 2022, 63, 1-15.	1.2	5
7	Decreasing nitrogen deposition rates: Good news for oligotrophic grassland species?. Basic and Applied Ecology, 2022, 63, 125-138.	1.2	3
8	Foundation species promote local adaptation and fineâ€scale distribution of herbaceous plants. Journal of Ecology, 2021, 109, 191-203.	1.9	12
9	An experimental approach to assessing the impact of ecosystem engineers on biodiversity and ecosystem functions. Ecology, 2021, 102, e03243.	1.5	17
10	The positive effects of the alpine cushion plant Arenaria polytrichoides on insect dynamics are determined by both physical and biotic factors. Science of the Total Environment, 2021, 762, 143091.	3.9	5
11	Interspecific facilitation mediates the outcome of intraspecific interactions across an elevational gradient. Ecology, 2021, 102, e03200.	1.5	7
12	Facilitation and biodiversity jointly drive mutualistic networks. Journal of Ecology, 2021, 109, 2029-2037.	1.9	16
13	Network motifs involving both competition and facilitation predict biodiversity in alpine plant communities. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	47
14	Facilitation and biodiversityâ€“ecosystem function relationships in crop production systems and their role in sustainable farming. Journal of Ecology, 2021, 109, 2054-2067.	1.9	58
15	Cropâ€“weed relationships are contextâ€dependent and cannot fully explain the positive effects of intercropping on yield. Ecological Applications, 2021, 31, e02311.	1.8	24
16	Alpine speciation and morphological innovations: revelations from a species-rich genus in the northern hemisphere. AoB PLANTS, 2021, 13, plab018.	1.2	8
17	Species interactions involving cushion plants in high-elevation environments under a changing climate. Ecosistemas, 2021, 30, 2186.	0.2	6
18	Positive Effects of Crop Diversity on Productivity Driven by Changes in Soil Microbial Composition. Frontiers in Microbiology, 2021, 12, 660749.	1.5	59

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19	Temporal Differentiation of Resource Capture and Biomass Accumulation as a Driver of Yield Increase in Intercropping. Frontiers in Plant Science, 2021, 12, 668803.	1.7	18
20	Does crop genetic diversity support positive biodiversity effects under experimental drought?. Basic and Applied Ecology, 2021, 56, 431-445.	1.2	5
21	Environmental Objectives of Spanish Agriculture: Scientific Guidelines for their Effective Implementation under the Common Agricultural Policy 2023-2030. Ardeola, 2021, 68, .	0.4	15
22	Diversity increases yield but reduces harvest index in crop mixtures. Nature Plants, 2021, 7, 893-898.	4.7	30
23	Facilitation by a dwarf shrub enhances plant diversity of human-valued species at high elevations in the Himalayas of Nepal. Basic and Applied Ecology, 2021, 54, 23-36.	1.2	10
24	Facilitation and plant phenotypic evolution. Trends in Plant Science, 2021, 26, 913-923.	4.3	13
25	Interâ€Specific Facilitation Mediates the Outcome of Intraâ€Specific Interactions Across an Elevational Gradient. Bulletin of the Ecological Society of America, 2021, 102, e01806.	0.2	0
26	Alpine community recruitment potential is determined by habitat attributes in the alpine ecosystems of the Himalayaâ€Hengduan Mountains, SW China. Ecology and Evolution, 2021, 11, 17397-17408.	0.8	0
27	Shrub facilitation promotes selective tree establishment beyond the climatic treeline. Science of the Total Environment, 2020, 708, 134618.	3.9	18
28	Increased crop diversity reduces the functional space available for weeds. Weed Research, 2020, 60, 121-131.	0.8	13
29	Pollination interactions reveal direct costs and indirect benefits of plantâ€“plant facilitation for ecosystem engineers. Journal of Plant Ecology, 2020, 13, 107-113.	1.2	10
30	Warming enhances growth but does not affect plant interactions in an alpine cushion species. Perspectives in Plant Ecology, Evolution and Systematics, 2020, 44, 125530.	1.1	13
31	Positive plantâ€“plant interactions expand the upper distributional limits of some vascular plant species. Ecosphere, 2019, 10, e02820.	1.0	14
32	Plant domestication disrupts biodiversity effects across major crop types. Ecology Letters, 2019, 22, 1472-1482.	3.0	25
33	Plant interactions shape pollination networks via nonadditive effects. Ecology, 2019, 100, e02619.	1.5	37
34	Increasing water availability and facilitation weaken biodiversityâ€“biomass relationships in shrublands. Ecology, 2019, 100, e02624.	1.5	34
35	Plant life history stage and nurse age change the development of ecological networks in an arid ecosystem. Oikos, 2018, 127, 1390-1397.	1.2	16
36	Habitat filtering determines the functional niche occupancy of plant communities worldwide. Journal of Ecology, 2018, 106, 1001-1009.	1.9	66

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37	Shrub facilitation drives tree establishment in a semiarid fogâ€dependent ecosystem. Applied Vegetation Science, 2018, 21, 113-120.	0.9	10
38	Seasonal comparison of bacterial communities in rhizosphere of alpine cushion plants in the Himalayan Hengduan Mountains. Plant Diversity, 2018, 40, 209-216.	1.8	12
39	Shrubs mediate forest start-up and patch dynamics in a semiarid landscape. Perspectives in Plant Ecology, Evolution and Systematics, 2018, 34, 140-149.	1.1	1
40	The assembly of a plant network in alpine vegetation. Journal of Vegetation Science, 2018, 29, 999-1006.	1.1	20
41	The balance of canopy and soil effects determines intraspecific differences in foundation speciesâ€™ effects on associated plants. Functional Ecology, 2018, 32, 2253-2263.	1.7	19
42	Evolution of facilitation requires diverse communities. Nature Ecology and Evolution, 2018, 2, 1381-1385.	3.4	45
43	Species but not genotype diversity strongly impacts the establishment of rare colonisers. Functional Ecology, 2017, 31, 1462-1470.	1.7	5
44	A traitâ€based approach to understand the consequences of specific plant interactions for community structure. Journal of Vegetation Science, 2017, 28, 696-704.	1.1	25
45	Seed quality of the Sinoâ€“Himalayan endemic genus Cyananthus (Campanulaceae) increases with elevation and varies with life histories. Plant Ecology and Diversity, 2017, 10, 43-52.	1.0	1
46	Resistance of plantâ€“plant networks to biodiversity loss and secondary extinctions following simulated environmental changes. Functional Ecology, 2017, 31, 1145-1152.	1.7	46
47	The shift from plantâ€“plant facilitation to competition under severe water deficit is spatially explicit. Ecology and Evolution, 2017, 7, 2441-2448.	0.8	45
48	How cushion communities are maintained in alpine ecosystems: A review and case study on alpine cushion plant reproduction. Plant Diversity, 2017, 39, 221-228.	1.8	15
49	Crop presence, but not genetic diversity, impacts on the rare arable plant Valerianella rimosa. Plant Ecology and Diversity, 2017, 10, 495-507.	1.0	3
50	Size-Mediated Interaction between a Cushion Species and Other Non-cushion Species at High Elevations of the Hengduan Mountains, SW China. Frontiers in Plant Science, 2017, 08, 465.	1.7	16
51	Legume Shrubs Are More Nitrogen-Homeostatic than Non-legume Shrubs. Frontiers in Plant Science, 2017, 8, 1662.	1.7	29
52	Feedback effects between plant and flower-visiting insect communities along a primary succession gradient. Arthropod-Plant Interactions, 2016, 10, 485-495.	0.5	18
53	Facilitation and sustainable agriculture: a mechanistic approach to reconciling crop production and conservation. Functional Ecology, 2016, 30, 98-107.	1.7	97
54	Contribution of co-occurring shrub species to community richness and phylogenetic diversity along an environmental gradient. Perspectives in Plant Ecology, Evolution and Systematics, 2016, 19, 30-39.	1.1	34

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55	Beneficiary feedback effects on alpine cushion benefactors become more negative with increasing cover of graminoids and in dry conditions. Functional Ecology, 2016, 30, 79-87.	1.7	38
56	A global metaâ€anal ysis of the relative extent of intraspecific trait variation in plant communities. Ecology Letters, 2015, 18, 1406-1419.	3.0	768
57	Cushion plants can have a positive effect on diversity at high elevations in the <scp>H</scp>imalayan <scp>H</scp>engduan <scp>M</scp>ountains. Journal of Vegetation Science, 2015, 26, 768-777.	1.1	39
58	Arabis alpina and Arabidopsis thaliana have different stomatal development strategies in response to high altitude pressure conditions. Alpine Botany, 2015, 125, 101-112.	1.1	5
59	The effects of foundation species on community assembly: a global study on alpine cushion plant communities. Ecology, 2015, 96, 2064-2069.	1.5	53
60	Phylogenetic distance among beneficiary species in a cushion plant species explains interaction outcome. Oikos, 2015, 124, 1354-1359.	1.2	17
61	A trait-based approach to cropâ€“weed interactions. European Journal of Agronomy, 2015, 70, 22-32.	1.9	18
62	Soil nutrient availability determines the facilitative effects of cushion plants on other plant species at high elevations in the south-eastern Himalayas. Plant Ecology and Diversity, 2015, 8, 199-210.	1.0	38
63	Competition, facilitation and environmental severity shape the relationship between local and regional species richness in plant communities. Ecography, 2015, 38, 335-345.	2.1	64
64	Improving intercropping: a synthesis of research in agronomy, plant physiology and ecology. New Phytologist, 2015, 206, 107-117.	3.5	805
65	Intraspecific genetic diversity and composition modify speciesâ€level diversityâ€“productivity relationships. New Phytologist, 2015, 205, 720-730.	3.5	71
66	The context dependence of beneficiary feedback effects on benefactors in plant facilitation. New Phytologist, 2014, 204, 386-396.	3.5	37
67	Consequences of facilitation: one plant's benefit is another plant's cost. Functional Ecology, 2014, 28, 500-508.	1.7	55
68	Partitioning net interactions among plants along altitudinal gradients to study community responses to climate change. Functional Ecology, 2014, 28, 75-86.	1.7	120
69	A global analysis of bidirectional interactions in alpine plant communities shows facilitators experiencing strong reciprocal fitness costs. New Phytologist, 2014, 202, 95-105.	3.5	79
70	Facilitative plant interactions and climate simultaneously drive alpine plant diversity. Ecology Letters, 2014, 17, 193-202.	3.0	274
71	Alpine cushion plants inhibit the loss of phylogenetic diversity in severe environments. Ecology Letters, 2013, 16, 478-486.	3.0	151
72	The relationship between soil water storage capacity and plant species diversity in high alpine vegetation. Plant Ecology and Diversity, 2013, 6, 457-466.	1.0	30

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73	Direct and indirect interactions coâ€determine species composition in nurse plant systems. Oikos, 2013, 122, 1371-1379.	1.2	76
74	Variability in functional traits mediates plant interactions along stress gradients. Journal of Ecology, 2013, 101, 753-762.	1.9	177
75	Modulating effects of ontogeny on the outcome of plantâ€“plant interactions along stress gradients. New Phytologist, 2013, 200, 7-9.	3.5	15
76	Foundation species influence traitâ€based community assembly. New Phytologist, 2012, 196, 824-834.	3.5	150
77	Combining observational and experimental methods in plantâ€“plant interaction research. Plant Ecology and Diversity, 2012, 5, 27-36.	1.0	23
78	Predicting population and community dynamics: The type of aggregation matters. Basic and Applied Ecology, 2010, 11, 563-571.	1.2	8
79	Counterbalancing effects of competition for resources and facilitation against grazing in alpine snowbed communities. Oikos, 2010, 119, 1571-1580.	1.2	19
80	Small-scale plant species distribution in snowbeds and its sensitivity to climate change. Plant Ecology, 2009, 200, 91-104.	0.7	80
81	Changes in species composition in alpine snowbeds with climate change inferred from small-scale spatial patterns. Web Ecology, 2008, 8, 142-159.	0.4	12
82	Increasing species richness on mountain summits: Upward migration due to anthropogenic climate change or reâ€colonisation?. Journal of Vegetation Science, 2007, 18, 301-306.	1.1	36
83	Increasing species richness on mountain summits: Upward migration due to anthropogenic climate change or re-colonisation?. Journal of Vegetation Science, 2007, 18, 301.	1.1	7