

Scott M Ferrenberg

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4091482/publications.pdf>

Version: 2024-02-01

44
papers

3,961
citations

236925

25
h-index

254184

43
g-index

47
all docs

47
docs citations

47
times ranked

5457
citing authors

#	ARTICLE	IF	CITATIONS
1	A spatiotemporal framework reveals contrasting factors shape biocrust microbial and microfaunal communities in the Chihuahuan Desert. <i>Geoderma</i> , 2022, 405, 115409.	5.1	8
2	Vertical movement of soluble carbon and nutrients from biocrusts to subsurface mineral soils. <i>Geoderma</i> , 2022, 405, 115495.	5.1	18
3	Quantifying the influence of different biocrust community states and their responses to warming temperatures on soil biogeochemistry in field and mesocosm studies. <i>Geoderma</i> , 2022, 409, 115633.	5.1	6
4	What is a biocrust? A refined, contemporary definition for a broadening research community. <i>Biological Reviews</i> , 2022, 97, 1768-1785.	10.4	87
5	Incorporating Biogeochemistry into Dryland Restoration. <i>BioScience</i> , 2021, 71, 907-917.	4.9	8
6	Traversing the Wasteland: A Framework for Assessing Ecological Threats to Drylands. <i>BioScience</i> , 2020, 70, 35-47.	4.9	74
7	Modest Residual Effects of Short-Term Warming, Altered Hydration, and Biocrust Successional State on Dryland Soil Heterotrophic Carbon and Nitrogen Cycling. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	5
8	The pervasive and multifaceted influence of biocrusts on water in the world's drylands. <i>Global Change Biology</i> , 2020, 26, 6003-6014.	9.5	129
9	Resin ducts as resistance traits in conifers: linking dendrochronology and resin-based defences. <i>Tree Physiology</i> , 2020, 40, 1313-1326.	3.1	43
10	Dwarf Mistletoe Infection Interacts with Tree Growth Rate to Produce Opposing Direct and Indirect Effects on Resin Duct Defences in Lodgepole Pine. <i>Forests</i> , 2020, 11, 222.	2.1	7
11	Ontogenetic consistency in oak defence syndromes. <i>Journal of Ecology</i> , 2020, 108, 1822-1834.	4.0	15
12	Earlier plant growth helps compensate for reduced carbon fixation after 13 years of warming. <i>Functional Ecology</i> , 2019, 33, 2071-2080.	3.6	25
13	Towards a predictive framework for biocrust mediation of plant performance: A meta-analysis. <i>Journal of Ecology</i> , 2019, 107, 2789-2807.	4.0	92
14	Biocrust science and global change. <i>New Phytologist</i> , 2019, 223, 1047-1051.	7.3	19
15	Ground-Dwelling Arthropod Community Responses to Recent and Repeated Wildfires in Conifer Forests of Northern New Mexico, USA. <i>Forests</i> , 2019, 10, 667.	2.1	10
16	Remote sensing of dryland ecosystem structure and function: Progress, challenges, and opportunities. <i>Remote Sensing of Environment</i> , 2019, 233, 111401.	11.0	193
17	Climatic Sensitivity of Dryland Soil CO ₂ Fluxes Differs Dramatically with Biological Soil Crust Successional State. <i>Ecosystems</i> , 2019, 22, 15-32.	3.4	49
18	Biocrusts enhance soil fertility and <i>Bromus tectorum</i> growth, and interact with warming to influence germination. <i>Plant and Soil</i> , 2018, 429, 77-90.	3.7	71

#	ARTICLE	IF	CITATIONS
19	Albedo feedbacks to future climate via climate change impacts on dryland biocrusts. <i>Scientific Reports</i> , 2017, 7, 44188.	3.3	84
20	Biological soil crusts: diminutive communities of potential global importance. <i>Frontiers in Ecology and the Environment</i> , 2017, 15, 160-167.	4.0	88
21	Biocrust ecology: unifying micro- and macro-scales to confront global change. <i>New Phytologist</i> , 2017, 216, 643-646.	7.3	9
22	Resin monoterpene defenses decline within three widespread species of pine (<i>Pinus</i>) along a 1530-m elevational gradient. <i>Ecosphere</i> , 2017, 8, e01975.	2.2	23
23	Rapid Shifts in Soil Nutrients and Decomposition Enzyme Activity in Early Succession Following Forest Fire. <i>Forests</i> , 2017, 8, 347.	2.1	39
24	Lab and Field Warming Similarly Advance Germination Date and Limit Germination Rate for High and Low Elevation Provenances of Two Widespread Subalpine Conifers. <i>Forests</i> , 2017, 8, 433.	2.1	15
25	Landscape Features and Processes Influencing Forest Pest Dynamics. <i>Current Landscape Ecology Reports</i> , 2016, 1, 19-29.	2.2	14
26	Decreases in average bacterial community rRNA operon copy number during succession. <i>ISME Journal</i> , 2016, 10, 1147-1156.	9.8	146
27	Aboveground and belowground arthropods experience different relative influences of stochastic versus deterministic community assembly processes following disturbance. <i>PeerJ</i> , 2016, 4, e2545.	2.0	10
28	Climate change and physical disturbance cause similar community shifts in biological soil crusts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12116-12121.	7.1	225
29	To grow or defend? Pine seedlings grow less but induce more defences when a key resource is limited. <i>Tree Physiology</i> , 2015, 35, 107-111.	3.1	31
30	Soil bacterial community structure remains stable over a 5-year chronosequence of insect-induced tree mortality. <i>Frontiers in Microbiology</i> , 2014, 5, 681.	3.5	26
31	Field Studies Demonstrate Bivoltinism in the Mountain Pine Beetle. <i>American Naturalist</i> , 2014, 184, 797-801.	2.1	5
32	Smooth bark surfaces can defend trees against insect attack: resurrecting a "slippery" hypothesis. <i>Functional Ecology</i> , 2014, 28, 837-845.	3.6	58
33	Resin duct characteristics associated with tree resistance to bark beetles across lodgepole and limber pines. <i>Oecologia</i> , 2014, 174, 1283-1292.	2.0	122
34	Patterns and Processes of Microbial Community Assembly. <i>Microbiology and Molecular Biology Reviews</i> , 2013, 77, 342-356.	6.6	1,325
35	Changes in assembly processes in soil bacterial communities following a wildfire disturbance. <i>ISME Journal</i> , 2013, 7, 1102-1111.	9.8	354
36	Banking on the past: seed banks as a reservoir for rare and native species in restored vernal pools. <i>AoB PLANTS</i> , 2013, 5, .	2.3	36

#	ARTICLE	IF	CITATIONS
37	Emissions of BVOC from lodgepole pine in response to mountain pine beetle attack in high and low mortality forest stands. <i>Biogeosciences</i> , 2013, 10, 483-499.	3.3	19
38	Mountain Pine Beetle Develops an Unprecedented Summer Generation in Response to Climate Warming. <i>American Naturalist</i> , 2012, 179, E163-E171.	2.1	156
39	From Animalcules to an Ecosystem: Application of Ecological Concepts to the Human Microbiome. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2012, 43, 137-155.	8.3	68
40	Safety Teams: An Approach To Engage Students in Laboratory Safety. <i>Journal of Chemical Education</i> , 2010, 87, 856-861.	2.3	56
41	Tree mortality from fire and bark beetles following early and late season prescribed fires in a Sierra Nevada mixed-conifer forest. <i>Forest Ecology and Management</i> , 2006, 232, 36-45.	3.2	82
42	Fire decreases arthropod abundance but increases diversity: Early and late season prescribed fire effects in a Sierra Nevada mixed-conifer forest. <i>Fire Ecology</i> , 2006, 2, 79-102.	3.0	54
43	Competition as a factor underlying the abundance of an uncommon phytophagous insect, the salt-marsh planthopper <i>Delphacodes penedetecta</i> . <i>Ecological Entomology</i> , 2003, 28, 58-66.	2.2	29
44	Resource allocation trade-offs in a mast-seeding conifer: Piñon pine prioritizes reproduction over defense. <i>AoB PLANTS</i> , 0, , .	2.3	28