

Kristina J Anderson-Teixeira

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

6,898
citations

87888

38
h-index

79698

73
g-index

81
all docs

81
docs citations

81
times ranked

9600
citing authors

#	ARTICLE	IF	CITATIONS
1	Larger trees suffer most during drought in forests worldwide. <i>Nature Plants</i> , 2015, 1, 15139.	9.3	622
2	Pervasive shifts in forest dynamics in a changing world. <i>Science</i> , 2020, 368, .	12.6	576
3	<scp>CTFS</scp>â€Forest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. <i>Global Change Biology</i> , 2015, 21, 528-549.	9.5	473
4	Changes in soil organic carbon under biofuel crops. <i>GCB Bioenergy</i> , 2009, 1, 75-96.	5.6	343
5	Drivers and mechanisms of tree mortality in moist tropical forests. <i>New Phytologist</i> , 2018, 219, 851-869.	7.3	341
6	Global importance of largeâ€diameter trees. <i>Global Ecology and Biogeography</i> , 2018, 27, 849-864.	5.8	330
7	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO₂. <i>New Phytologist</i> , 2021, 229, 2413-2445.	7.3	286
8	Mapping carbon accumulation potential from global natural forest regrowth. <i>Nature</i> , 2020, 585, 545-550.	27.8	278
9	Altered dynamics of forest recovery under a changing climate. <i>Global Change Biology</i> , 2013, 19, 2001-2021.	9.5	246
10	Life-cycle analysis and the ecology of biofuels. <i>Trends in Plant Science</i> , 2009, 14, 140-146.	8.8	218
11	Reduced Nitrogen Losses after Conversion of Row Crop Agriculture to Perennial Biofuel Crops. <i>Journal of Environmental Quality</i> , 2013, 42, 219-228.	2.0	171
12	Climate-regulation services of natural and agricultural ecoregions of the Americas. <i>Nature Climate Change</i> , 2012, 2, 177-181.	18.8	165
13	Protecting irrecoverable carbon in Earthâ€™s ecosystems. <i>Nature Climate Change</i> , 2020, 10, 287-295.	18.8	159
14	Vulnerability to forest loss through altered postfire recovery dynamics in a warming climate in the Klamath Mountains. <i>Global Change Biology</i> , 2017, 23, 4117-4132.	9.5	154
15	Differential responses of production and respiration to temperature and moisture drive the carbon balance across a climatic gradient in New Mexico. <i>Global Change Biology</i> , 2011, 17, 410-424.	9.5	148
16	Altered Belowground Carbon Cycling Following Land-Use Change to Perennial Bioenergy Crops. <i>Ecosystems</i> , 2013, 16, 508-520.	3.4	132
17	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. <i>Biological Conservation</i> , 2021, 253, 108907.	4.1	122
18	Carbon exchange by establishing biofuel crops in Central Illinois. <i>Agriculture, Ecosystems and Environment</i> , 2011, 144, 319-329.	5.3	115

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19	Influences of fireâ€“vegetation feedbacks and postâ€“fire recovery rates on forest landscape vulnerability to altered fire regimes. <i>Journal of Ecology</i> , 2018, 106, 1925-1940.	4.0	114
20	Direct and indirect effects of climate on richness drive the latitudinal diversity gradient in forest trees. <i>Ecology Letters</i> , 2019, 22, 245-255.	6.4	92
21	Carbon dynamics of mature and regrowth tropical forests derived from a pantropical database (<sc>T</sc>rop<sc>F</sc>or<sc>C</sc>â€“db). <i>Global Change Biology</i> , 2016, 22, 1690-1709.	9.5	85
22	Disequilibrium of fire-prone forests sets the stage for a rapid decline in conifer dominance during the 21st century. <i>Scientific Reports</i> , 2018, 8, 6749.	3.3	85
23	Estimating aboveground net biomass change for tropical and subtropical forests: Refinement of IPCC default rates using forest plot data. <i>Global Change Biology</i> , 2019, 25, 3609-3624.	9.5	78
24	Role of tree size in moist tropical forest carbon cycling and water deficit responses. <i>New Phytologist</i> , 2018, 219, 947-958.	7.3	73
25	Water use efficiency of perennial and annual bioenergy crops in central Illinois. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 581-589.	3.0	71
26	Assessing terrestrial laser scanning for developing non-destructive biomass allometry. <i>Forest Ecology and Management</i> , 2018, 427, 217-229.	3.2	69
27	Global transpiration data from sap flow measurements: the SAPFLUXNET database. <i>Earth System Science Data</i> , 2021, 13, 2607-2649.	9.9	65
28	Tree height and leaf drought tolerance traits shape growth responses across droughts in a temperate broadleaf forest. <i>New Phytologist</i> , 2021, 231, 601-616.	7.3	63
29	The greenhouse gas value of ecosystems. <i>Global Change Biology</i> , 2011, 17, 425-438.	9.5	60
30	Gap filling strategies and error in estimating annual soil respiration. <i>Global Change Biology</i> , 2013, 19, 1941-1952.	9.5	54
31	Ethanol from sugarcane in <sc>B</sc>razil: a â€“midwayâ€“™ strategy for increasing ethanol production while maximizing environmental benefits. <i>GCB Bioenergy</i> , 2012, 4, 119-126.	5.6	52
32	Hydraulicallyâ€“vulnerable trees survive on deepâ€“water access during droughts in a tropical forest. <i>New Phytologist</i> , 2021, 231, 1798-1813.	7.3	51
33	Ecological drivers of spatial community dissimilarity, species replacement and species nestedness across temperate forests. <i>Global Ecology and Biogeography</i> , 2018, 27, 581-592.	5.8	48
34	Patterns and mechanisms of spatial variation in tropical forest productivity, woody residence time, and biomass. <i>New Phytologist</i> , 2021, 229, 3065-3087.	7.3	48
35	Traits of dominant tree species predict local scale variation in forest aboveground and topsoil carbon stocks. <i>Plant and Soil</i> , 2016, 409, 435-446.	3.7	47
36	Joint effects of climate, tree size, and year on annual tree growth derived from treeâ€“ring records of ten globally distributed forests. <i>Global Change Biology</i> , 2022, 28, 245-266.	9.5	46

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37	A restructured and updated global soil respiration database (SRDB-V5). <i>Earth System Science Data</i> , 2021, 13, 255-267.	9.9	42
38	Climate sensitive size-dependent survival in tropical trees. <i>Nature Ecology and Evolution</i> , 2018, 2, 1436-1442.	7.8	41
39	Carbon cycling in mature and regrowth forests globally. <i>Environmental Research Letters</i> , 2021, 16, 053009.	5.2	41
40	Amplified temperature dependence in ecosystems developing on the lava flows of Mauna Loa, Hawai'i. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 228-233.	7.1	40
41	Biofuels on the landscape: Is land sharing preferable to land sparing?. <i>Ecological Applications</i> , 2012, 22, 2035-2048.	3.8	39
42	Size-related scaling of tree form and function in a mixed-age forest. <i>Functional Ecology</i> , 2015, 29, 1587-1602.	3.6	39
43	ForC: a global database of forest carbon stocks and fluxes. <i>Ecology</i> , 2018, 99, 1507-1507.	3.2	37
44	Patterns of tree mortality in a temperate deciduous forest derived from a large forest dynamics plot. <i>Ecosphere</i> , 2016, 7, e01595.	2.2	32
45	Predicting Greenhouse Gas Emissions and Soil Carbon from Changing Pasture to an Energy Crop. <i>PLoS ONE</i> , 2013, 8, e72019.	2.5	30
46	Alteration of forest succession and carbon cycling under elevated CO ₂ . <i>Global Change Biology</i> , 2016, 22, 351-363.	9.5	30
47	Leaf turgor loss point shapes local and regional distributions of evergreen but not deciduous tropical trees. <i>New Phytologist</i> , 2021, 230, 485-496.	7.3	30
48	Alternative stable equilibria and critical thresholds created by fire regimes and plant responses in a fire-prone community. <i>Ecography</i> , 2019, 42, 55-66.	4.5	28
49	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. <i>Nature Communications</i> , 2021, 12, 3137.	12.8	28
50	Tree Circumference Dynamics in Four Forests Characterized Using Automated Dendrometer Bands. <i>PLoS ONE</i> , 2016, 11, e0169020.	2.5	25
51	Consequences of spatial patterns for coexistence in species-rich plant communities. <i>Nature Ecology and Evolution</i> , 2021, 5, 965-973.	7.8	24
52	Distribution of biomass dynamics in relation to tree size in forests across the world. <i>New Phytologist</i> , 2022, 234, 1664-1677.	7.3	24
53	Sapling growth rates reveal conspecific negative density dependence in a temperate forest. <i>Ecology and Evolution</i> , 2017, 7, 7661-7671.	1.9	23
54	Growing season moisture drives interannual variation in woody productivity of a temperate deciduous forest. <i>New Phytologist</i> , 2019, 223, 1204-1216.	7.3	21

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55	Aboveground forest biomass varies across continents, ecological zones and successional stages: refined IPCC default values for tropical and subtropical forests. <i>Environmental Research Letters</i> , 2022, 17, 014047.	5.2	21
56	Quantitative assessment of plant-arthropod interactions in forest canopies: A plot-based approach. <i>PLoS ONE</i> , 2019, 14, e0222119.	2.5	20
57	Body size shifts influence effects of increasing temperatures on ectotherm metabolism. <i>Global Ecology and Biogeography</i> , 2018, 27, 958-967.	5.8	18
58	Global patterns of forest autotrophic carbon fluxes. <i>Global Change Biology</i> , 2021, 27, 2840-2855.	9.5	18
59	Root volume distribution of maturing perennial grasses revealed by correcting for minirhizotron surface effects. <i>Plant and Soil</i> , 2017, 419, 391-404.	3.7	17
60	Precipitation mediates sap flux sensitivity to evaporative demand in the neotropics. <i>Oecologia</i> , 2019, 191, 519-530.	2.0	14
61	Chemical Similarity of Co-occurring Trees Decreases With Precipitation and Temperature in North American Forests. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	13
62	Vertical stratification of a temperate forest caterpillar community in eastern North America. <i>Oecologia</i> , 2020, 192, 501-514.	2.0	12
63	Spatial covariance of herbivorous and predatory guilds of forest canopy arthropods along a latitudinal gradient. <i>Ecology Letters</i> , 2020, 23, 1499-1510.	6.4	12
64	Long-Term Impacts of Invasive Insects and Pathogens on Composition, Biomass, and Diversity of Forests in Virginia's Blue Ridge Mountains. <i>Ecosystems</i> , 2021, 24, 89-105.	3.4	12
65	Temporal population variability in local forest communities has mixed effects on tree species richness across a latitudinal gradient. <i>Ecology Letters</i> , 2020, 23, 160-171.	6.4	11
66	<i>allodb</i> : An R package for biomass estimation at globally distributed extratropical forest plots. <i>Methods in Ecology and Evolution</i> , 2022, 13, 330-338.	5.2	11
67	Seasonality affects specialisation of a temperate forest herbivore community. <i>Oikos</i> , 2021, 130, 1450-1461.	2.7	8
68	Demographic composition, not demographic diversity, predicts biomass and turnover across temperate and tropical forests. <i>Global Change Biology</i> , 2022, 28, 2895-2909.	9.5	8
69	Prioritizing biodiversity and carbon. <i>Nature Climate Change</i> , 2018, 8, 667-668.	18.8	6
70	Effective forest-based climate change mitigation requires our best science. <i>Global Change Biology</i> , 2022, 28, 1200-1203.	9.5	6
71	Role of arthropod communities in bioenergy crop litter decomposition. <i>Insect Science</i> , 2013, 20, 671-678.	3.0	5
72	Terrestrial LiDAR-derived non-destructive woody biomass estimates for 10 hardwood species in Virginia. <i>Data in Brief</i> , 2018, 19, 1560-1569.	1.0	5

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73	NO SIGNIFICANT INCREASE IN TREE MORTALITY FOLLOWING CORING IN A TEMPERATE HARDWOOD FOREST. Tree-Ring Research, 2019, 75, 67.	0.6	5
74	Climatic Aridity Shapes Post-Fire Interactions between Ceanothus spp. and Douglas-Fir (Pseudotsuga) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	0