Kristina J Anderson-Teixeira

List of Publications by Year
in descending order

74 papers	6,898 citations	87843 38 h-index	79644 73 g-index
81 all docs	81 docs citations	81 times ranked	9600 citing authors

#	Article	IF	Citations
1	Joint effects of climate, tree size, and year on annual tree growth derived from treeâ€ring records of ten globally distributed forests. Global Change Biology, 2022, 28, 245-266.	4.2	46
2	<i>allodb</i>: An R package for biomass estimation at globally distributed extratropical forest plots. Methods in Ecology and Evolution, 2022, 13, 330-338.	2.2	11
3	Effective forestâ€based climate change mitigation requires our best science. Global Change Biology, 2022, 28, 1200-1203.	4.2	6
4	Aboveground forest biomass varies across continents, ecological zones and successional stages: refined IPCC default values for tropical and subtropical forests. Environmental Research Letters, 2022, 17, 014047.	2.2	21
5	Demographic composition, not demographic diversity, predicts biomass and turnover across temperate and tropical forests. Global Change Biology, 2022, 28, 2895-2909.	4.2	8
6	Distribution of biomass dynamics in relation to tree size in forests across the world. New Phytologist, 2022, 234, 1664-1677.	3.5	24
7	Tree height and leaf drought tolerance traits shape growth responses across droughts in a temperate broadleaf forest. New Phytologist, 2021, 231, 601-616.	3.5	63
8	Long-Term Impacts of Invasive Insects and Pathogens on Composition, Biomass, and Diversity of Forests in Virginiaâ€™s Blue Ridge Mountains. Ecosystems, 2021, 24, 89-105.	1.6	12
9	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO₂. New Phytologist, 2021, 229, 2413-2445.	3.5	286
10	Patterns and mechanisms of spatial variation in tropical forest productivity, woody residence time, and biomass. New Phytologist, 2021, 229, 3065-3087.	3.5	48
11	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. Biological Conservation, 2021, 253, 108907.	1.9	122
12	Leaf turgor loss point shapes local and regional distributions of evergreen but not deciduous tropical trees. New Phytologist, 2021, 230, 485-496.	3.5	30
13	A restructured and updated global soil respiration database (SRDB-V5). Earth System Science Data, 2021, 13, 255-267.	3.7	42
14	Global patterns of forest autotrophic carbon fluxes. Global Change Biology, 2021, 27, 2840-2855.	4.2	18
15	Carbon cycling in mature and regrowth forests globally. Environmental Research Letters, 2021, 16, 053009.	2.2	41
16	Consequences of spatial patterns for coexistence in species-rich plant communities. Nature Ecology and Evolution, 2021, 5, 965-973.	3.4	24
17	Chemical Similarity of Co-occurring Trees Decreases With Precipitation and Temperature in North American Forests. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	13
18	Arbuscular mycorrhizal trees influence the latitudinal beta-diversity gradient of tree communities in forests worldwide. Nature Communications, 2021, 12, 3137.	5.8	28

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19	Seasonality affects specialisation of a temperate forest herbivore community. Oikos, 2021, 130, 1450-1461.	1.2	8
20	Global transpiration data from sap flow measurements: the SAPFLUXNET database. Earth System Science Data, 2021, 13, 2607-2649.	3.7	65
21	Hydraulicallyâ€vulnerable trees survive on deepâ€water access during droughts in a tropical forest. New Phytologist, 2021, 231, 1798-1813.	3.5	51
22	Climatic Aridity Shapes Post-Fire Interactions between Ceanothus spp. and Douglas-Fir (Pseudotsuga) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	0
23	Temporal population variability in local forest communities has mixed effects on tree species richness across a latitudinal gradient. Ecology Letters, 2020, 23, 160-171.	3.0	11
24	Vertical stratification of a temperate forest caterpillar community in eastern North America. Oecologia, 2020, 192, 501-514.	0.9	12
25	Spatial covariance of herbivorous and predatory guilds of forest canopy arthropods along a latitudinal gradient. Ecology Letters, 2020, 23, 1499-1510.	3.0	12
26	Mapping carbon accumulation potential from global natural forest regrowth. Nature, 2020, 585, 545-550.	13.7	278
27	Pervasive shifts in forest dynamics in a changing world. Science, 2020, 368, .	6.0	576
28	Protecting irrecoverable carbon in Earthâ€™s ecosystems. Nature Climate Change, 2020, 10, 287-295.	8.1	159
29	Direct and indirect effects of climate on richness drive the latitudinal diversity gradient in forest trees. Ecology Letters, 2019, 22, 245-255.	3.0	92
30	Alternative stable equilibria and critical thresholds created by fire regimes and plant responses in a fireâ€prone community. Ecography, 2019, 42, 55-66.	2.1	28
31	Estimating aboveground net biomass change for tropical and subtropical forests: Refinement of IPCC default rates using forest plot data. Global Change Biology, 2019, 25, 3609-3624.	4.2	78
32	Quantitative assessment of plant-arthropod interactions in forest canopies: A plot-based approach. PLoS ONE, 2019, 14, e0222119.	1.1	20
33	Precipitation mediates sap flux sensitivity to evaporative demand in the neotropics. Oecologia, 2019, 191, 519-530.	0.9	14
34	Growing season moisture drives interannual variation in woody productivity of a temperate deciduous forest. New Phytologist, 2019, 223, 1204-1216.	3.5	21
35	NO SIGNIFICANT INCREASE IN TREE MORTALITY FOLLOWING CORING IN A TEMPERATE HARDWOOD FOREST. Tree-Ring Research, 2019, 75, 67.	0.4	5
36	ForC: a global database of forest carbon stocks and fluxes. Ecology, 2018, 99, 1507-1507.	1.5	37

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37	Drivers and mechanisms of tree mortality in moist tropical forests. New Phytologist, 2018, 219, 851-869.	3.5	341
38	Ecological drivers of spatial community dissimilarity, species replacement and species nestedness across temperate forests. Global Ecology and Biogeography, 2018, 27, 581-592.	2.7	48
39	Disequilibrium of fire-prone forests sets the stage for a rapid decline in conifer dominance during the 21st century. Scientific Reports, 2018, 8, 6749.	1.6	85
40	Influences of fireâ€"vegetation feedbacks and postâ€fire recovery rates on forest landscape vulnerability to altered fire regimes. Journal of Ecology, 2018, 106, 1925-1940.	1.9	114
41	Terrestrial LiDAR-derived non-destructive woody biomass estimates for 10 hardwood species in Virginia. Data in Brief, 2018, 19, 1560-1569.	0.5	5
42	Assessing terrestrial laser scanning for developing non-destructive biomass allometry. Forest Ecology and Management, 2018, 427, 217-229.	1.4	69
43	Prioritizing biodiversity and carbon. Nature Climate Change, 2018, 8, 667-668.	8.1	6
44	Global importance of largeâ€diameter trees. Global Ecology and Biogeography, 2018, 27, 849-864.	2.7	330
45	Climate sensitive size-dependent survival in tropical trees. Nature Ecology and Evolution, 2018, 2, 1436-1442.	3.4	41
46	Body size shifts influence effects of increasing temperatures on ectotherm metabolism. Global Ecology and Biogeography, 2018, 27, 958-967.	2.7	18
47	Role of tree size in moist tropical forest carbon cycling and water deficit responses. New Phytologist, 2018, 219, 947-958.	3.5	73
48	Vulnerability to forest loss through altered postfire recovery dynamics in a warming climate in the Klamath Mountains. Global Change Biology, 2017, 23, 4117-4132.	4.2	154
49	Sapling growth rates reveal conspecific negative density dependence in a temperate forest. Ecology and Evolution, 2017, 7, 7661-7671.	0.8	23
50	Root volume distribution of maturing perennial grasses revealed by correcting for minirhizotron surface effects. Plant and Soil, 2017, 419, 391-404.	1.8	17
51	Tree Circumference Dynamics in Four Forests Characterized Using Automated Dendrometer Bands. PLoS ONE, 2016, 11, e0169020.	1.1	25
52	Carbon dynamics of mature and regrowth tropical forests derived from a pantropical database (<scp>T</scp>rop<scp>F</scp>or<scp>C</scp>â€db). Global Change Biology, 2016, 22, 1690-1709.	4.2	85
53	Traits of dominant tree species predict local scale variation in forest aboveground and topsoil carbon stocks. Plant and Soil, 2016, 409, 435-446.	1.8	47
54	Patterns of tree mortality in a temperate deciduous forest derived from a large forest dynamics plot. Ecosphere, 2016, 7, e01595.	1.0	32

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55	Alteration of forest succession and carbon cycling under elevated CO₂. Global Change Biology, 2016, 22, 351-363.	4.2	30
56	Larger trees suffer most during drought in forests worldwide. Nature Plants, 2015, 1, 15139.	4.7	622
57	Sizeâ€related scaling of tree form and function in a mixedâ€age forest. Functional Ecology, 2015, 29, 1587-1602.	1.7	39
58	<scp>CTFS</scp>â€Forest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. Global Change Biology, 2015, 21, 528-549.	4.2	473
59	Role of arthropod communities in bioenergy crop litter decompositionâ€. Insect Science, 2013, 20, 671-678.	1.5	5
60	Altered dynamics of forest recovery under a changing climate. Global Change Biology, 2013, 19, 2001-2021.	4.2	246
61	Water use efficiency of perennial and annual bioenergy crops in central Illinois. Journal of Geophysical Research G: Biogeosciences, 2013, 118, 581-589.	1.3	71
62	Altered Belowground Carbon Cycling Following Land-Use Change to Perennial Bioenergy Crops. Ecosystems, 2013, 16, 508-520.	1.6	132
63	Gap filling strategies and error in estimating annual soil respiration. Global Change Biology, 2013, 19, 1941-1952.	4.2	54
64	Reduced Nitrogen Losses after Conversion of Row Crop Agriculture to Perennial Biofuel Crops. Journal of Environmental Quality, 2013, 42, 219-228.	1.0	171
65	Predicting Greenhouse Gas Emissions and Soil Carbon from Changing Pasture to an Energy Crop. PLoS ONE, 2013, 8, e72019.	1.1	30
66	Biofuels on the landscape: Is â€œland sharingâ€•preferable to â€œland sparingâ€?. Ecological Applications, 2012, 22, 2035-2048.	1.8	39
67	Climate-regulation services of natural and agricultural ecoregions of the Americas. Nature Climate Change, 2012, 2, 177-181.	8.1	165
68	Ethanol from sugarcane in <scp>B</scp>razil: a â€˜midwayâ€™ strategy for increasing ethanol production while maximizing environmental benefits. GCB Bioenergy, 2012, 4, 119-126.	2.5	52
69	The greenhouse gas value of ecosystems. Global Change Biology, 2011, 17, 425-438.	4.2	60
70	Differential responses of production and respiration to temperature and moisture drive the carbon balance across a climatic gradient in New Mexico. Global Change Biology, 2011, 17, 410-424.	4.2	148
71	Carbon exchange by establishing biofuel crops in Central Illinois. Agriculture, Ecosystems and Environment, 2011, 144, 319-329.	2.5	115
72	Life-cycle analysis and the ecology of biofuels. Trends in Plant Science, 2009, 14, 140-146.	4.3	218

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73	Changes in soil organic carbon under biofuel crops. GCB Bioenergy, 2009, 1, 75-96.	2.5	343
74	Amplified temperature dependence in ecosystems developing on the lava flows of Mauna Loa, Hawai'i. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 228-233.	3.3	40