Justin P Wright

List of Publications by Year
in descending order

77 papers	11,280 citations	71102 41 h-index	69250 77 g-index
84 all docs	84 docs citations	84 times ranked	15471 citing authors

#	Article	IF	Citations
1	Saltwater intrusion in context: soil factors regulate impacts of salinity on soil carbon cycling. Biogeochemistry, 2022, 157, 215-226.	3.5	8
2	Salinity thresholds for understory plants in coastal wetlands. Plant Ecology, 2022, 223, 323-337.	1.6	15
3	Nitrogen increases earlyâ€stage and slows lateâ€stage decomposition across diverse grasslands. Journal of Ecology, 2022, 110, 1376-1389.	4.0	12
4	Intraspecific trait variability shapes leaf trait response to altered fire regimes. Annals of Botany, 2021, 127, 543-552.	2.9	8
5	Changes in Prescribed Fire Frequency Alter Ecosystem Carbon Dynamics. Ecosystems, 2021, 24, 640-651.	3.4	7
6	Global root traits (GRooT) database. Global Ecology and Biogeography, 2021, 30, 25-37.	5.8	90
7	Rapid deforestation of a coastal landscape driven by seaâ€level rise and extreme events. Ecological Applications, 2021, 31, e02339.	3.8	52
8	Succession, regression and loss: does evidence of saltwater exposure explain recent changes in the tree communities of North Carolinaâ€™s Coastal Plain?. Annals of Botany, 2020, 125, 255-264.	2.9	17
9	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
10	Rare microbial taxa emerge when communities collide: freshwater and marine microbiome responses to experimental mixing. Ecology, 2020, 101, e02956.	3.2	57
11	Impacts of female body size on cannibalism and juvenile abundance in a dominant arctic spider. Journal of Animal Ecology, 2020, 89, 1788-1798.	2.8	19
12	Global gradients in intraspecific variation in vegetative and floral traits are partially associated with climate and species richness. Global Ecology and Biogeography, 2020, 29, 992-1007.	5.8	51
13	Functional trait similarity predicts survival in rare plant reintroductions. Ecological Applications, 2020, 30, e02087.	3.8	8
14	In search of microbial indicator taxa: shifts in stream bacterial communities along an urbanization gradient. Environmental Microbiology, 2019, 21, 3653-3668.	3.8	61
15	Impacts of an invasive grass on soil organic matter pools vary across a tree-mycorrhizal gradient. Biogeochemistry, 2019, 144, 149-164.	3.5	16
16	Belowground Biomass Response to Nutrient Enrichment Depends on Light Limitation Across Globally Distributed Grasslands. Ecosystems, 2019, 22, 1466-1477.	3.4	34
17	Nitrogen uptake and biomass resprouting show contrasting relationships with resource acquisitive and conservative plant traits. Journal of Vegetation Science, 2019, 30, 65-74.	2.2	9
18	Leaf nutrients, not specific leaf area, are consistent indicators of elevated nutrient inputs. Nature Ecology and Evolution, 2019, 3, 400-406.	7.8	97

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19	Temperature accelerates the rate fields become forests. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4702-4706.	7.1	22
20	Plant community and soil conditions individually affect soil microbial community assembly in experimental mesocosms. Ecology and Evolution, 2018, 8, 1196-1205.	1.9	31
21	Speciesâ€™ traits do not converge on optimum values in preferred habitats. Oecologia, 2018, 186, 719-729.	2.0	13
22	Site conditions are more important than abundance for explaining plant invasion impacts on soil nitrogen cycling. Ecosphere, 2018, 9, e02454.	2.2	5
23	Microbial nitrogen limitation in the mammalian large intestine. Nature Microbiology, 2018, 3, 1441-1450.	13.3	107
24	Spatial heterogeneity in species composition constrains plant community responses to herbivory and fertilisation. Ecology Letters, 2018, 21, 1364-1371.	6.4	38
25	Antibiotic-induced changes in the microbiota disrupt redox dynamics in the gut. ELife, 2018, 7, .	6.0	121
26	Warming reverses top-down effects of predators on belowground ecosystem function in Arctic tundra. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7541-E7549.	7.1	49
27	Pulling apart the urbanization axis: patterns of physiochemical degradation and biological response across stream ecosystems. Freshwater Science, 2018, 37, 653-672.	1.8	24
28	Evaluating the effects of land-use change and future climate change on vulnerability of coastal landscapes to saltwater intrusion. Elementa, 2018, 6, .	3.2	45
29	Revisiting the <scp>H</scp>oly <scp>G</scp>rail: using plant functional traits to understand ecological processes. Biological Reviews, 2017, 92, 1156-1173.	10.4	557
30	Functional traits of the understory plant community of a pyrogenic longleaf pine forest across environmental gradients. Ecology, 2017, 98, 2225-2225.	3.2	4
31	Increased grassland arthropod production with mammalian herbivory and eutrophication: a test of mediation pathways. Ecology, 2017, 98, 3022-3033.	3.2	40
32	Boomâ€bust dynamics in biological invasions: towards an improved application of the concept. Ecology Letters, 2017, 20, 1337-1350.	6.4	143
33	Invasive speciesâ€™ leaf traits and dissimilarity from natives shape their impact on nitrogen cycling: a metaâ€analysis. New Phytologist, 2017, 213, 128-139.	7.3	69
34	Trait space of rare plants in a fireâ€dependent ecosystem. Conservation Biology, 2017, 31, 903-911.	4.7	18
35	Intraspecific variability improves environmental matching, but does not increase ecological breadth along a wetâ€toâ€dry ecotone. Oikos, 2017, 126, 988-995.	2.7	23
36	Contributions of microbial activity and ash deposition to post-fire nitrogen availability in a pine savanna. Biogeosciences, 2017, 14, 241-255.	3.3	16

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37	Effects of fire frequency on litter decomposition as mediated by changes to litter chemistry and soil environmental conditions. PLoS ONE, 2017, 12, e0186292.	2.5	24
38	Variation in Plant Response to Herbivory Underscored by Functional Traits. PLoS ONE, 2016, 11, e0166714.	2.5	14
39	Multiple environmental drivers structure plant traits at the community level in a pyrogenic ecosystem. Functional Ecology, 2016, 30, 789-798.	3.6	34
40	The more things change, the more they stay the same? When is trait variability important for stability of ecosystem function in a changing environment. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150272.	4.0	44
41	Joint effects of nutrient addition and enemy exclusion on exotic plant success. Ecology, 2016, 97, 3337-3345.	3.2	32
42	Plant-soil feedbacks: a comparative study on the relative importance of soil feedbacks in the greenhouse versus the field. Oecologia, 2016, 181, 559-569.	2.0	88
43	Annual growth in longleaf (Pinus palustris) and pond pine (P. serotina) in the Sandhills of North Carolina is driven by interactions between fire and climate. Forest Ecology and Management, 2015, 340, 1-8.	3.2	14
44	Plant speciesâ€™ origin predicts dominance and response to nutrient enrichment and herbivores in global grasslands. Nature Communications, 2015, 6, 7710.	12.8	143
45	Herbivores and nutrients control grassland plant diversity via light limitation. Nature, 2014, 508, 517-520.	27.8	669
46	Urban stream denitrifier communities are linked to lower functional resistance to multiple stressors associated with urbanization. Hydrobiologia, 2014, 726, 13-23.	2.0	8
47	Different plant traits affect two pathways of riparian nitrogen removal in a restored freshwater wetland. Plant and Soil, 2013, 365, 41-57.	3.7	30
48	Predicting invasion in grassland ecosystems: is exotic dominance the real embarrassment of richness?. Global Change Biology, 2013, 19, 3677-3687.	9.5	70
49	Low Concentrations of Silver Nanoparticles in Biosolids Cause Adverse Ecosystem Responses under Realistic Field Scenario. PLoS ONE, 2013, 8, e57189.	2.5	284
50	Transitions from Functionalization to Fragmentation Reactions of Laboratory Secondary Organic Aerosol (SOA) Generated from the OH Oxidation of Alkane Precursors. Environmental Science & Technology, 2012, 46, 5430-5437.	10.0	181
51	Does the leaf economic spectrum hold within local species pools across varying environmental conditions?. Functional Ecology, 2012, 26, 1390-1398.	3.6	115
52	Drivers of secondary succession rates across temperate latitudes of the Eastern USA: climate, soils, and species pools. Oecologia, 2012, 168, 1069-1077.	2.0	51
53	Effects of Silver Nanoparticle Exposure on Germination and Early Growth of Eleven Wetland Plants. PLoS ONE, 2012, 7, e47674.	2.5	288
54	Productivity Is a Poor Predictor of Plant Species Richness. Science, 2011, 333, 1750-1753.	12.6	463

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55	The putative niche requirements and landscape dynamics of Microstegium vimineum: an invasive Asian grass. Biological Invasions, 2011, 13, 471-483.	2.4	59
56	Environmental Conditions Influence the Plant Functional Diversity Effect on Potential Denitrification. PLoS ONE, 2011, 6, e16584.	2.5	24
57	Watershed Urbanization Alters the Composition and Function of Stream Bacterial Communities. PLoS ONE, 2011, 6, e22972.	2.5	57
58	Dynamic interactions of life and its landscape: feedbacks at the interface of geomorphology and ecology. Earth Surface Processes and Landforms, 2010, 35, 78-101.	2.5	161
59	Ecosystem engineers maintain a rare species of butterfly and increase plant diversity. Oikos, 2010, 119, 883-890.	2.7	56
60	Biogeographic synthesis of secondary succession rates in eastern North America. Journal of Biogeography, 2010, 37, 1584-1596.	3.0	34
61	Plant Trait Diversity Buffers Variability in Denitrification Potential over Changes in Season and Soil Conditions. PLoS ONE, 2010, 5, e11618.	2.5	42
62	Linking populations to landscapes: richness scenarios resulting from changes in the dynamics of an ecosystem engineer. Ecology, 2009, 90, 3418-3429.	3.2	34
63	Diversity has stronger topâ€down than bottomâ€up effects on decomposition. Ecology, 2009, 90, 1073-1083.	3.2	187
64	Effects of biodiversity on the functioning of ecosystems: a summary of 164 experimental manipulations of species richness. Ecology, 2009, 90, 854-854.	3.2	36
65	11 Community responses to environmental change: Results of Lotka-Volterra community theory. Theoretical Ecology Series, 2007, 4, 211-227.	0.2	0
66	Impacts of plant diversity on biomass production increase through time because of species complementarity. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18123-18128.	7.1	1,175
67	The Concept of Organisms as Ecosystem Engineers Ten Years On: Progress, Limitations, and Challenges. BioScience, 2006, 56, 203.	4.9	445
68	Assessing impacts of ecosystem engineers on community organization: a general approach illustrated by effects of a high-Andean cushion plant. Oikos, 2006, 115, 369-385.	2.7	120
69	Conventional functional classification schemes underestimate the relationship with ecosystem functioning. Ecology Letters, 2006, 9, 111-120.	6.4	236
70	Predictability of ecosystem engineering effects on species richness across environmental variability and spatial scales. Journal of Ecology, 2006, 94, 815-824.	4.0	106
71	Effects of biodiversity on the functioning of trophic groups and ecosystems. Nature, 2006, 443, 989-992.	27.8	1,516
72	Patch dynamics in a landscape modified by ecosystem engineers. Oikos, 2004, 105, 336-348.	2.7	122

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73	PREDICTING EFFECTS OF ECOSYSTEM ENGINEERS ON PATCH-SCALE SPECIES RICHNESS FROM PRIMARY PRODUCTIVITY. Ecology, 2004, 85, 2071-2081.	3.2	127
74	Deforesting the riverscape: the effects of wood on fish diversity in a Venezuelan piedmont stream. Biological Conservation, 2004, 120, 439-447.	4.1	105
75	Disentangling biodiversity effects on ecosystem functioning: deriving solutions to a seemingly insurmountable problem. Ecology Letters, 2003, 6, 567-579.	6.4	570
76	LOCAL VS. LANDSCAPE CONTROLS ON PLANT SPECIES RICHNESS IN BEAVER MEADOWS. Ecology, 2003, 84, 3162-3173.	3.2	81
77	An ecosystem engineer, the beaver, increases species richness at the landscape scale. Oecologia, 2002, 132, 96-101.	2.0	500