

Robert K Peet

List of Publications by Year in descending order

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Version: 2024-02-01

134
papers

10,652
citations

50566

48
h-index

40945

97
g-index

150
all docs

150
docs citations

150
times ranked

14118
citing authors

#	ARTICLE	IF	CITATIONS
1	Factors Influencing Succession: Lessons from Large, Infrequent Natural Disturbances. <i>Ecosystems</i> , 1998, 1, 511-523.	1.6	614
2	Plant species richness: the world records. <i>Journal of Vegetation Science</i> , 2012, 23, 796-802.	1.1	600
3	Streamlined microwave-assisted preparation of narrow-bandgap conjugated polymers for high-performance bulk heterojunction solar cells. <i>Nature Chemistry</i> , 2009, 1, 657-661.	6.6	577
4	Global trait-environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018, 2, 1906-1917.	3.4	397
5	The taxonomic name resolution service: an online tool for automated standardization of plant names. <i>BMC Bioinformatics</i> , 2013, 14, 16.	1.2	386
6	How global biodiversity hotspots may go unrecognized: lessons from the North American Coastal Plain. <i>Diversity and Distributions</i> , 2015, 21, 236-244.	1.9	357
7	Competition and Tree Death. <i>BioScience</i> , 1987, 37, 586-595.	2.2	345
8	Functional trait space and the latitudinal diversity gradient. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13745-13750.	3.3	319
9	DIVERSITY AND INVASIBILITY OF SOUTHERN APPALACHIAN PLANT COMMUNITIES. <i>Ecology</i> , 2003, 84, 32-39.	1.5	283
10	Convergence During Secondary Forest Succession. <i>Journal of Ecology</i> , 1984, 72, 25.	1.9	264
11	Succession: A population process. <i>Plant Ecology</i> , 1980, 43, 131-140.	1.2	256
12	The Global Index of Vegetation-Plot Databases (GIVD): a new resource for vegetation science. <i>Journal of Vegetation Science</i> , 2011, 22, 582-597.	1.1	251
13	The <code>bien</code> package: A tool to access the Botanical Information and Ecology Network (BIEN) database. <i>Methods in Ecology and Evolution</i> , 2018, 9, 373-379.	2.2	241
14	Composition and species diversity of pine-wiregrass savannas of the Green Swamp, North Carolina. <i>Plant Ecology</i> , 1984, 55, 163-179.	1.2	237
15	Changes in chalk-grassland structure and species richness resulting from selective nutrient additions. <i>Journal of Vegetation Science</i> , 1993, 4, 203-212.	1.1	205
16	The commonness of rarity: Global and future distribution of rarity across land plants. <i>Science Advances</i> , 2019, 5, eaaz0414.	4.7	194
17	Forest vegetation of the Colorado Front Range: Patterns of species diversity. <i>Plant Ecology</i> , 1978, 37, 65-78.	1.2	189
18	Putting Things in Order: The Advantages of Detrended Correspondence Analysis. <i>American Naturalist</i> , 1988, 131, 924-934.	1.0	188

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19	sPlot “ A new tool for global vegetation analyses. <i>Journal of Vegetation Science</i> , 2019, 30, 161-186.	1.1	185
20	Relative Diversity Indices. <i>Ecology</i> , 1975, 56, 496-498.	1.5	154
21	Standards for associations and alliances of the U.S. National Vegetation Classification. <i>Ecological Monographs</i> , 2009, 79, 173-199.	2.4	144
22	Habitat area and climate stability determine geographical variation in plant species range sizes. <i>Ecology Letters</i> , 2013, 16, 1446-1454.	3.0	130
23	A comparative framework for broad-scale plot-based vegetation classification. <i>Applied Vegetation Science</i> , 2015, 18, 543-560.	0.9	126
24	Co-occurrence based assessment of habitat generalists and specialists: a new approach for the measurement of niche width. <i>Journal of Ecology</i> , 2007, 95, 707-722.	1.9	124
25	Population Dynamics in Loblolly Pine Stands: Changes in Skewness and Size Inequality. <i>Ecology</i> , 1989, 70, 1153-1167.	1.5	117
26	A Gradient Analysis of Southern Wisconsin Forests. <i>Ecology</i> , 1977, 58, 485-499.	1.5	115
27	High-elevation rock outcrop vegetation of the Southern Appalachian Mountains. <i>Journal of Vegetation Science</i> , 1996, 7, 703-722.	1.1	110
28	A network approach for inferring species associations from co-occurrence data. <i>Ecography</i> , 2016, 39, 1139-1150.	2.1	96
29	High species mobility in species-rich plant communities: An intercontinental comparison. <i>Folia Geobotanica Et Phytotaxonomica</i> , 1994, 29, 439-448.	0.4	93
30	PREDICTION OF RARE-PLANT OCCURRENCE: A SOUTHERN APPALACHIAN EXAMPLE. , 1998, 8, 909-920.		93
31	Spatial patterns and climate relationships of major plant traits in the New World differ between woody and herbaceous species. <i>Journal of Biogeography</i> , 2018, 45, 895-916.	1.4	92
32	Limited sampling hampers “big data” estimation of species richness in a tropical biodiversity hotspot. <i>Ecology and Evolution</i> , 2015, 5, 807-820.	0.8	91
33	Shifts in trait means and variances in North American tree assemblages: species richness patterns are loosely related to the functional space. <i>Ecography</i> , 2015, 38, 649-658.	2.1	89
34	CONNECTING FINE- AND BROAD-SCALE SPECIES-AREA RELATIONSHIPS OF SOUTHEASTERN U.S. FLORA. <i>Ecology</i> , 2005, 86, 1172-1177.	1.5	88
35	Megafauna extinction, tree species range reduction, and carbon storage in Amazonian forests. <i>Ecography</i> , 2016, 39, 194-203.	2.1	86
36	Gradient Analysis of Latitudinal Variation in Southern Rocky Mountain Forests. <i>Journal of Biogeography</i> , 1991, 18, 123.	1.4	74

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37	Long-term change in ground-layer vegetation of deciduous forests of the North Carolina Piedmont, USA. <i>Journal of Ecology</i> , 2005, 93, 202-213.	1.9	71
38	Gradient analysis of forests of the Sangre de Cristo Range, Colorado. <i>Canadian Journal of Botany</i> , 1990, 68, 193-201.	1.2	70
39	THE ECOLOGICAL SIGNIFICANCE OF LOBED AND TOOTHED LEAVES IN TEMPERATE FOREST TREES. <i>Ecology</i> , 1997, 78, 1250-1255.	1.5	70
40	Tree damage risk factors associated with large, infrequent wind disturbances of Carolina forests. <i>Forestry</i> , 2008, 81, 317-334.	1.2	67
41	Perspectives: Towards a language for mapping relationships among taxonomic concepts. <i>Systematics and Biodiversity</i> , 2009, 7, 5-20.	0.5	67
42	Prediction of manâ€™s impact on plant species diversity. , 1983, , 41-54.		66
43	Latitudinal Variation in Southern Rocky Mountain Forests. <i>Journal of Biogeography</i> , 1978, 5, 275.	1.4	64
44	Multi-scale environmental heterogeneity as a predictor of plant species richness. <i>Landscape Ecology</i> , 2011, 26, 851-864.	1.9	64
45	Time and space in the community structure of a species-rich limestone grassland. <i>Journal of Vegetation Science</i> , 1995, 6, 729-740.	1.1	63
46	Patterns and drivers of plant functional group dominance across the Western Hemisphere: a macroecological re-assessment based on a massive botanical dataset. <i>Botanical Journal of the Linnean Society</i> , 2016, 180, 141-160.	0.8	59
47	Global patterns and drivers of alpine plant species richness. <i>Global Ecology and Biogeography</i> , 2021, 30, 1218-1231.	2.7	59
48	Change in pattern diversity during secondary succession in Estonian forests. <i>Journal of Vegetation Science</i> , 1993, 4, 489-498.	1.1	56
49	Ecological Classification of Longleaf Pine Woodlands. , 2007, , 51-93.		55
50	Integration of Local and Regional Speciesâ€™Area Relationships from Spaceâ€™Time Species Accumulation. <i>American Naturalist</i> , 2006, 168, 133-143.	1.0	51
51	Natural disturbances and the physiognomy of pine savannas: A phenomenological model. <i>Applied Vegetation Science</i> , 2006, 9, 83-96.	0.9	49
52	sPlotOpen â€“ An environmentally balanced, openâ€™access, global dataset of vegetation plots. <i>Global Ecology and Biogeography</i> , 2021, 30, 1740-1764.	2.7	49
53	VegBank â€“ a permanent, open-access archive for vegetation-plot data. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 233-241.	0.2	45
54	A plant growth form dataset for the New World. <i>Ecology</i> , 2016, 97, 3243-3243.	1.5	44

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55	Forest structure as a predictor of tree species diversity in the North Carolina Piedmont. <i>Journal of Vegetation Science</i> , 2016, 27, 1151-1163.	1.1	44
56	Size and Age Structure of Conifers Forests. <i>Ecology</i> , 1984, 65, 1685-1689.	1.5	42
57	Species-area relationships in continuous vegetation: Evidence from Palaeartic grasslands. <i>Journal of Biogeography</i> , 2020, 47, 72-86.	1.4	42
58	Variation in species richness and species pool size across a pH gradient in forests of the southern Blue Ridge Mountains. <i>Folia Geobotanica</i> , 2003, 38, 391-401.	0.4	41
59	Circumpolar Arctic Vegetation Classification. <i>Phytocoenologia</i> , 2018, 48, 181-201.	1.2	40
60	Resolving relationships and phylogeographic history of the <i>Nyssa sylvatica</i> complex using data from RAD-seq and species distribution modeling. <i>Molecular Phylogenetics and Evolution</i> , 2018, 126, 1-16.	1.2	39
61	Plant Functional Diversity and the Biogeography of Biomes in North and South America. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	38
62	Multi-scale phylogenetic structure in coastal dune plant communities across the globe. <i>Journal of Plant Ecology</i> , 2014, 7, 101-114.	1.2	37
63	Patterns of floodplain sediment deposition along the regulated lower Roanoke River, North Carolina: Annual, decadal, centennial scales. <i>Geomorphology</i> , 2015, 228, 666-680.	1.1	35
64	A Vegetation Classification of Fire-Dependent Pinelands of Florida. <i>Castanea</i> , 2010, 75, 153-189.	0.2	34
65	Changes in plant species richness following reduced fire frequency and drought in one of the most species-rich savannas in North America. <i>Journal of Vegetation Science</i> , 2014, 25, 1426-1437.	1.1	34
66	Benchmarking plant diversity of Palaeartic grasslands and other open habitats. <i>Journal of Vegetation Science</i> , 2021, 32, e13050.	1.1	34
67	Vegâ€X â€“ an exchange standard for plot-based vegetation data. <i>Journal of Vegetation Science</i> , 2011, 22, 598-609.	1.1	33
68	The EcoVeg approach in the Americas: U.S., Canadian and International Vegetation Classifications. <i>Phytocoenologia</i> , 2018, 48, 215-237.	1.2	33
69	Bank erosion along the dam-regulated lower Roanoke River, North Carolina. , 2009, , .		33
70	A model of geographical, environmental and regional variation in vegetation composition of pyrogenic grasslands of Florida. <i>Journal of Biogeography</i> , 2009, 36, 1600-1612.	1.4	30
71	A review of the heterogeneous landscape of biodiversity databases: Opportunities and challenges for a synthesized biodiversity knowledge base. <i>Global Ecology and Biogeography</i> , 2022, 31, 1242-1260.	2.7	29
72	Herbaceous Layer Species Richness of Southeastern Forests and Woodlands. , 2014, , 255-276.		27

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73	Bootstrapped ordination: a method for estimating sampling effects in indirect gradient analysis. <i>Plant Ecology</i> , 1989, 80, 153-165.	1.2	26
74	Twenty-Six Years of Change in a <i>Pinus strobus</i> , <i>Acer saccharum</i> Forest, Lake Itasca, Minnesota. <i>Bulletin of the Torrey Botanical Club</i> , 1984, 111, 61.	0.6	25
75	The relationship between niche breadth and range size of beech (<i>Fagus</i>) species worldwide. <i>Journal of Biogeography</i> , 2021, 48, 1240-1253.	1.4	25
76	The influence of carbon - nutrient balance on herb and woody plant abundance in temperate forest understories. <i>Journal of Vegetation Science</i> , 2006, 17, 217.	1.1	25
77	Vegetation-plot database of the Carolina Vegetation Survey. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 243-253.	0.2	25
78	Alien species pool influences the level of habitat invasion in intercontinental exchange of alien plants. <i>Global Ecology and Biogeography</i> , 2014, 23, 1366-1375.	2.7	23
79	Intercontinental comparison of habitat levels of invasion between temperate North America and Europe. <i>Ecology</i> , 2015, 96, 3363-3373.	1.5	23
80	Hurricane disturbances, tree diversity, and succession in North Carolina Piedmont forests, USA. <i>Journal of Forestry Research</i> , 2019, 30, 219-231.	1.7	23
81	Robert H. Whittaker (1920-1980): The man and his work. <i>Plant Ecology</i> , 1982, 48, 97-122.	1.2	21
82	Classification and description of alluvial plant communities of the Piedmont region, North Carolina, USA. <i>Applied Vegetation Science</i> , 2011, 14, 485-505.	0.9	21
83	Similar factors underlie tree abundance in forests in native and alien ranges. <i>Global Ecology and Biogeography</i> , 2020, 29, 281-294.	2.7	21
84	The influence of carbon-nutrient balance on herb and woody plant abundance in temperate forest understories. <i>Journal of Vegetation Science</i> , 2006, 17, 217-226.	1.1	19
85	A MULTISCALE STUDY OF VASCULAR PLANTS IN A NORTH CAROLINA PIEDMONT FOREST. <i>Ecology</i> , 2007, 88, 2674-2674.	1.5	19
86	Niche expansion after competitor extinction? A comparative assessment of habitat generalists and specialists in the tree floras of south-eastern North America and south-eastern Europe. <i>Journal of Biogeography</i> , 2011, 38, 840-853.	1.4	19
87	Scale-dependent responses of longleaf pine vegetation to fire frequency and environmental context across two decades. <i>Journal of Ecology</i> , 2015, 103, 998-1008.	1.9	19
88	Progress in vegetation science: Trends over the past three decades and new horizons. <i>Journal of Vegetation Science</i> , 2019, 30, 1-4.	1.1	19
89	The plant diversity sampling design for The National Ecological Observatory Network. <i>Ecosphere</i> , 2019, 10, e02603.	1.0	19
90	Shade tolerance and mycorrhizal type may influence sapling susceptibility to conspecific negative density dependence. <i>Journal of Ecology</i> , 2020, 108, 325-336.	1.9	19

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91	Disentangling native and alien plant diversity in coastal sand dune ecosystems worldwide. <i>Journal of Vegetation Science</i> , 2021, 32, .	1.1	19
92	<i>PlantAtlas</i> : a dynamic and mobile guide to all plants of the Americas. <i>Methods in Ecology and Evolution</i> , 2016, 7, 960-965.	2.2	18
93	A multiple-scale assessment of long-term aspen persistence and elevational range shifts in the Colorado Front Range. <i>Ecological Monographs</i> , 2016, 86, 244-260.	2.4	18
94	The relationship of woody plant size and leaf nutrient content to large-scale productivity for forests across the Americas. <i>Journal of Ecology</i> , 2019, 107, 2278-2290.	1.9	18
95	Fine-grain beta diversity of Palaearctic grassland vegetation. <i>Journal of Vegetation Science</i> , 2021, 32, e13045.	1.1	18
96	Succession, regression and loss: does evidence of saltwater exposure explain recent changes in the tree communities of North Carolina's Coastal Plain?. <i>Annals of Botany</i> , 2020, 125, 255-264.	1.4	17
97	Global functional variation in alpine vegetation. <i>Journal of Vegetation Science</i> , 2021, 32, e13000.	1.1	17
98	The adaptive challenge of extreme conditions shapes evolutionary diversity of plant assemblages at continental scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
99	Ordination as a Tool for Analyzing Complex Data Sets. , 1980, , 171-174.		15
100	The Alaska Arctic Vegetation Archive (AVA-AK). <i>Phytocoenologia</i> , 2016, 46, 221-229.	1.2	14
101	Vegetation Structure of Field Margins and Adjacent Forests in Agricultural Landscapes of the North Carolina Piedmont. <i>Castanea</i> , 2009, 74, 327-339.	0.2	13
102	Predicting <i>Microstegium vimineum</i> invasion in natural plant communities of the southern Blue Ridge Mountains, USA. <i>Biological Invasions</i> , 2013, 15, 1217-1230.	1.2	13
103	Ecosystem Convergence. <i>American Naturalist</i> , 1978, 112, 441-444.	1.0	13
104	The native-exotic species richness relationship varies with spatial grain of measurement and environmental conditions. <i>Ecology</i> , 2017, 98, 3086-3095.	1.5	12
105	Fire-Maintained Pine Savannas and Woodlands of the Southeastern United States Coastal Plain. , 2018, , 39-62.		12
106	Carolina Vegetation Survey: an initiative to improve regional implementation of the U.S. National Vegetation Classification. <i>Phytocoenologia</i> , 2018, 48, 171-179.	1.2	12
107	The <i>Journal of Vegetation Science</i> in 1995 " with some remarks on citation statistics. <i>Journal of Vegetation Science</i> , 1995, 6, 1-4.	1.1	11
108	Ecoinformatics and global change " an overdue liaison. <i>Journal of Vegetation Science</i> , 2011, 22, 577-581.	1.1	10

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109	News from the Global Index of Vegetation-Plot Databases (GIVD): the metadata platform, available data, and their properties. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 77-82.	0.2	10
110	What constitutes evidence of community structure? A reply to van der Maarel, Noest & Palmer. <i>Journal of Vegetation Science</i> , 1995, 6, 753-758.	1.1	9
111	Hurricane Effects on the Piedmont Forests: Patterns and Implications. <i>Ecological Restoration</i> , 2008, 26, 295-298.	0.6	9
112	Tree canopy cover constrains the fertility-diversity relationship in plant communities of the southeastern United States. <i>Ecology</i> , 2020, 101, e03119.	1.5	8
113	Interaction of herbs and tree saplings is mediated by soil fertility and stand evergreenness in southern Appalachian forests. <i>Journal of Vegetation Science</i> , 2020, 31, 95-106.	1.1	7
114	Temporal Patterns in Herbaceous Layer Communities of the North Carolina Piedmont. , 2014, , 277-293.		6
115	Environmental context alters the magnitude of conspecific negative density dependence in a temperate forest. <i>Ecosphere</i> , 2021, 12, e03406.	1.0	5
116	Succession: A Population Process. , 1980, , 131-140.		4
117	The Journal of Vegetation Science: Volume 4. <i>Journal of Vegetation Science</i> , 1993, 4, 1-4.	1.1	4
118	The Ecological Significance of Lobed and Toothed Leaves in Temperature Forest Trees. <i>Ecology</i> , 1997, 78, 1250.	1.5	4
119	A Community Analysis for Forest Ecosystems with Natural Growth of <i>Persea</i> spp. in the Southeastern United States. <i>Castanea</i> , 2018, 83, 3-27.	0.2	4
120	Facilitating access to vegetation data - Introduction to the Special Volume. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 9-13.	0.2	4
121	Database Species-Area Relationships in Palaeartic Grasslands. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 321-322.	0.2	4
122	The Role of Fire in the Dynamics of Piedmont Vegetation. <i>Managing Forest Ecosystems</i> , 2021, , 31-62.	0.4	3
123	A Multi-scale Analysis of Plant Diversity Along Soil Nutrient Gradients. <i>Geobotany Studies</i> , 2016, , 425-444.	0.2	2
124	A Theory of Plant Communities: The Second Approximation. <i>Ecology</i> , 1989, 70, 520-521.	1.5	1
125	The Journal of Vegetation Science: Volume 3. <i>Journal of Vegetation Science</i> , 1992, 3, 1-2.	1.1	1
126	A Personal Perspective on Biodiversity. <i>Conservation Biology</i> , 1996, 10, 691-692.	2.4	1

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127	Long-term understory vegetation dynamics of mixed aspen forests in Rocky Mountain National Park, USA. <i>Journal of Vegetation Science</i> , 2019, 30, 121-133.	1.1	1
128	Composition and species diversity of pine-wiregrass savannas of the Green Swamp, North Carolina. , 1985, , 303-319.		1
129	Guide to GIVD's Fact Sheets. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 83-88.	0.2	1
130	Fine-grain beta diversity in Palaearctic open vegetation: variability within and between biomes and vegetation types. <i>Vegetation Classification and Survey</i> , 0, 2, 293-304.	0.0	1
131	Ecology of Temperate Evergreen Forests. <i>Ecology</i> , 1984, 65, 1334-1334.	1.5	0
132	ROBERT NEUHÄUSL DEAD. <i>Journal of Vegetation Science</i> , 1991, 2, 429-432.	1.1	0
133	The Journal of Vegetation Science: Volume 5. <i>Journal of Vegetation Science</i> , 1994, 5, 1-4.	1.1	0
134	Resolution of Respect: Michael G. Barbour (1942–2021). <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01882.	0.2	0