

Simon Pierce

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

6,184
citations

136740

32
h-index

102304

66
g-index

72
all docs

72
docs citations

72
times ranked

8414
citing authors

#	ARTICLE	IF	CITATIONS
1	The global spectrum of plant form and function. <i>Nature</i> , 2016, 529, 167-171.	13.7	2,022
2	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
3	A global method for calculating plant <scp>CSR</scp> ecological strategies applied across biomes worldwide. <i>Functional Ecology</i> , 2017, 31, 444-457.	1.7	330
4	Allocating <scp>CSR</scp> plant functional types: the use of leaf economics and size traits to classify woody and herbaceous vascular plants. <i>Functional Ecology</i> , 2013, 27, 1002-1010.	1.7	223
5	The functional basis of a primary succession resolved by CSR classification. <i>Oikos</i> , 2006, 112, 10-20.	1.2	196
6	Stomatal vs. genome size in angiosperms: the somatic tail wagging the genomic dog?. <i>Annals of Botany</i> , 2010, 105, 573-584.	1.4	121
7	Disturbance is the principal \pm -scale filter determining niche differentiation, coexistence and biodiversity in an alpine community. <i>Journal of Ecology</i> , 2007, 95, 698-706.	1.9	101
8	Can CSR classification be generally applied outside Britain?. <i>Plant Ecology</i> , 2010, 210, 253-261.	0.7	98
9	Hydrophobic trichome layers and epicuticular wax powders in Bromeliaceae. <i>American Journal of Botany</i> , 2001, 88, 1371-1389.	0.8	93
10	Pladias Database of the Czech flora and vegetation. <i>Preslia</i> , 2021, 93, 1-87.	1.1	86
11	Ontogenetic shifts in plant ecological strategies. <i>Functional Ecology</i> , 2018, 32, 2730-2741.	1.7	82
12	Combined use of leaf size and economics traits allows direct comparison of hydrophyte and terrestrial herbaceous adaptive strategies. <i>Annals of Botany</i> , 2012, 109, 1047-1053.	1.4	78
13	Carbon isotope ratio and the extent of daily CAM use by Bromeliaceae. <i>New Phytologist</i> , 2002, 156, 75-83.	3.5	77
14	The role of adaptive strategies in plant naturalization. <i>Ecology Letters</i> , 2018, 21, 1380-1389.	3.0	69
15	Seed germination and conservation of endangered species from the Italian Alps: <i>Physoplexis comosa</i> and <i>Primula glaucescens</i> . <i>Biological Conservation</i> , 2004, 117, 351-356.	1.9	68
16	The role of CAM in high rainfall cloud forests: an in situ comparison of photosynthetic pathways in Bromeliaceae. <i>Plant, Cell and Environment</i> , 2002, 25, 1181-1189.	2.8	66
17	From ancient genes to modern communities: the cellular stress response and the evolution of plant strategies. <i>Functional Ecology</i> , 2005, 19, 763-776.	1.7	60
18	Plant adaptive responses during primary succession are associated with functional adaptations in ground beetles on deglaciated terrain. <i>Community Ecology</i> , 2010, 11, 223-231.	0.5	54

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19	Soil-mediated filtering organizes tree assemblages in regenerating tropical forests. <i>Journal of Ecology</i> , 2018, 106, 137-147.	1.9	54
20	An evolutionary perspective on leaf economics: phylogenetics of leaf mass per area in vascular plants. <i>Ecology and Evolution</i> , 2014, 4, 2799-2811.	0.8	53
21	Comment on "Productivity Is a Poor Predictor of Plant Species Richness". <i>Science</i> , 2012, 335, 1441-1441.	6.0	49
22	Plant-environment interactions through a functional traits perspective: a review of Italian studies. <i>Plant Biosystems</i> , 2019, 153, 853-869.	0.8	48
23	Domestic gardens play a dominant role in selecting alien species with adaptive strategies that facilitate naturalization. <i>Global Ecology and Biogeography</i> , 2019, 28, 628-639.	2.7	47
24	Linking plant strategies and plant traits derived by radiative transfer modelling. <i>Journal of Vegetation Science</i> , 2017, 28, 717-727.	1.1	43
25	Pseudoviviparous Reproduction of <i>Poa alpina</i> var. <i>vivipara</i> L. (Poaceae) during Long-term Exposure to Elevated Atmospheric CO ₂ . <i>Annals of Botany</i> , 2003, 91, 613-622.	1.4	40
26	The leaf economics spectrum of Poaceae reflects variation in survival strategies. <i>Plant Biosystems</i> , 2007, 141, 337-343.	0.8	39
27	Why are many anthropogenic agroecosystems particularly species-rich?. <i>Plant Biosystems</i> , 2016, 150, 550-557.	0.8	39
28	Soil Application of Effective Microorganisms (EM) Maintains Leaf Photosynthetic Efficiency, Increases Seed Yield and Quality Traits of Bean (<i>Phaseolus vulgaris</i> L.) Plants Grown on Different Substrates. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2327.	1.8	39
29	How well do seed production traits correlate with leaf traits, whole-plant traits and plant ecological strategies?. <i>Plant Ecology</i> , 2014, 215, 1351-1359.	0.7	38
30	Species evenness affects ecosystem processes in situ via diversity in the adaptive strategies of dominant species. <i>Plant Ecology</i> , 2010, 207, 333-345.	0.7	37
31	Cytotoxic constituents of <i>Alectra</i> and <i>Striga</i> species. <i>Weed Research</i> , 2004, 44, 265-270.	0.8	36
32	Implications for biodiversity conservation of the lack of consensus regarding the humped-back model of species richness and biomass production. <i>Functional Ecology</i> , 2014, 28, 253-257.	1.7	36
33	Differential biodiversity responses between kingdoms (plants, fungi, bacteria and metazoa) along an Alpine succession gradient. <i>Molecular Ecology</i> , 2018, 27, 3671-3685.	2.0	33
34	Community-level variation in plant functional traits and ecological strategies shapes habitat structure along succession gradients in alpine environment. <i>Community Ecology</i> , 2020, 21, 55-65.	0.5	33
35	Plant community attributes affect dry grassland orchid establishment. <i>Plant Ecology</i> , 2016, 217, 1533-1543.	0.7	31
36	Alien plant species invade by occupying similar functional spaces to native species. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 257, 151419.	0.6	28

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37	Xenognosin production and tolerance to <i>Striga asiatica</i> infection of high-yielding maize cultivars. <i>Weed Research</i> , 2003, 43, 139-145.	0.8	27
38	The intimacy between sexual traits and Grime's CSR strategies for orchids coexisting in semi-natural calcareous grassland at the Olive Lawn. <i>Plant Ecology</i> , 2014, 215, 495-505.	0.7	24
39	Enzymatic scarification of <i>Anacamptis morio</i> (Orchidaceae) seed facilitates lignin degradation, water uptake and germination. <i>Plant Biology</i> , 2019, 21, 409-414.	1.8	23
40	The Jeweled Armor of <i>Tillandsia</i> —Multifaceted or Elongated Trichomes Provide Photoprotection. <i>Aliso</i> , 2007, 23, 44-52.	0.4	22
41	Plant trait variation along environmental indicators to infer global change impacts. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 254, 113-121.	0.6	20
42	Climatic and evolutionary contexts are required to infer plant life history strategies from functional traits at a global scale. <i>Ecology Letters</i> , 2021, 24, 970-983.	3.0	19
43	Quantifying Relative Extinction Risks and Targeting Intervention for the Orchid Flora of a Natural Park in the European Prealps. <i>Conservation Biology</i> , 2006, 20, 1804-1810.	2.4	18
44	Functional biogeography of Neotropical moist forests: Trait-climate relationships and assembly patterns of tree communities. <i>Global Ecology and Biogeography</i> , 2021, 30, 1430-1446.	2.7	18
45	Are endemic species necessarily ecological specialists? Functional variability and niche differentiation of two threatened <i>Dianthus</i> species in the montane steppes of northeastern Iran. <i>Scientific Reports</i> , 2020, 10, 11774.	1.6	16
46	Outbreeding and asymbiotic germination in the conservation of the endangered Italian endemic orchid <i>Ophrys benacensis</i> . <i>Plant Biosystems</i> , 2010, 144, 121-127.	0.8	15
47	Asymbiotic germination of the White Mountain Orchid (<i>Pseudorchis albida</i>) from immature seed on media enriched with complex organics or phytohormones. <i>Seed Science and Technology</i> , 2011, 39, 199-203.	0.6	15
48	The association of leaf sulfur content with the leaf economics spectrum and plant adaptive strategies. <i>Functional Plant Biology</i> , 2021, 48, 924-935.	1.1	14
49	Hydrophobic trichome layers and epicuticular wax powders in Bromeliaceae. <i>American Journal of Botany</i> , 2001, 88, 1371-89.	0.8	14
50	The survival strategy of the alpine endemic <i>Primula glaucescens</i> is fundamentally unchanged throughout its climate envelope despite superficial phenotypic variability. <i>Plant Ecology</i> , 2009, 204, 1-10.	0.7	12
51	General allometric scaling of net primary production agrees with plant adaptive strategy theory and has tipping points. <i>Journal of Ecology</i> , 2017, 105, 1094-1104.	1.9	11
52	Architectural and physiological heterogeneity within the synflorescence of the pseudoviviparous grass <i>Poa alpina</i> var. <i>vivipara</i> L.. <i>Journal of Experimental Botany</i> , 2000, 51, 1705-1712.	2.4	10
53	Are morpho-functional traits reliable indicators of inherent relative growth rate for prealpine calcareous grassland species?. <i>Plant Biosystems</i> , 2008, 142, 60-65.	0.8	10
54	Role of environmental filtering and functional traits for species coexistence in a harsh tropical montane ecosystem. <i>Biological Journal of the Linnean Society</i> , 2021, 133, 546-560.	0.7	9

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55	Sex change in kiwifruit (<i>Actinidia chinensis</i> Planch.): a developmental framework for the bisexual to unisexual floral transition. <i>Plant Reproduction</i> , 2019, 32, 323-330.	1.3	7
56	Genetic diversity patterns of the orchid <i>Anacamptis pyramidalis</i> at the edges of its distribution range. <i>Plant Systematics and Evolution</i> , 2016, 302, 1227-1238.	0.3	6
57	Increasing the germination percentage of a declining native orchid (<i>Himantoglossum adriaticum</i>) by pollen transfer and outbreeding between populations. <i>Plant Biology</i> , 2019, 21, 935-941.	1.8	6
58	The influence of secondary senescence processes within the culm of a pseudoviviparous grass (<i>Poa</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 1067-1075.	2.4	5
59	Pea seed extracts stimulate germination of the terrestrial orchid <i>Ophrys apifera</i> Huds. during a habitat restoration project. <i>Plant Biosystems</i> , 2015, 149, 54-60.	0.8	4
60	Towards a functional phytosociology: the functional ecology of woody diagnostic species and their vegetation classes in Northern Italy. <i>IForest</i> , 2021, 14, 522-530.	0.5	4
61	Iridoid glucosides of <i>Paederota bonarota</i> and the relationships between <i>Paederota</i> and <i>Veronica</i> . <i>Biochemical Systematics and Ecology</i> , 2007, 35, 501-505.	0.6	3
62	Ecology and floristic composition of heathlands in the Po basin and the Southern Alps (NW Italy). <i>Botany Letters</i> , 2017, 164, 433-444.	0.7	3
63	Identifying population thresholds for flowering plant reproductive success: the marsh gentian (<i>Gentiana pneumonanthe</i>) as a flagship species of humid meadows and heathland. <i>Biodiversity and Conservation</i> , 2018, 27, 891-905.	1.2	3
64	Endemism in recently diverged angiosperms is associated with polyploidy. <i>Plant Ecology</i> , 2022, 223, 479.	0.7	3
65	John Philip Grime. 30 April 1935 – 19 April 2021. <i>Biographical Memoirs of Fellows of the Royal Society</i> , 2021, 71, 249-270.	0.1	2
66	Professor John Philip Grime, FRS (1935–2021). <i>Trends in Ecology and Evolution</i> , 2021, 36, 663-664.	4.2	1
67	Variety in evolutionary strategies favours biodiversity in habitats of moderate productivity. <i>Nature Precedings</i> , 2011, , .	0.1	0