

Bruno Cerabolini

List of Publications by Year in descending order

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84
papers

8,063
citations

117625

34
h-index

64796

79
g-index

93
all docs

93
docs citations

93
times ranked

10287
citing authors

#	ARTICLE	IF	CITATIONS
1	Small and slow is safe: On the drought tolerance of tropical tree species. <i>Global Change Biology</i> , 2022, 28, 2622-2638.	9.5	35
2	Climatic and soil factors explain the two-dimensional spectrum of global plant trait variation. <i>Nature Ecology and Evolution</i> , 2022, 6, 36-50.	7.8	89
3	Identifying typical and early warning species by the combination of functional-based diagnostic species and dark diversity. <i>Biodiversity and Conservation</i> , 2022, 31, 1735-1753.	2.6	6
4	Global relationships in tree functional traits. <i>Nature Communications</i> , 2022, 13, .	12.8	29
5	High exposure of global tree diversity to human pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	18
6	Different functional characteristics can explain different dimensions of plant invasion success. <i>Journal of Ecology</i> , 2021, 109, 1524-1536.	4.0	14
7	The Consequences of Glacier Retreat Are Uneven Between Plant Species. <i>Frontiers in Ecology and Evolution</i> , 2021, 8, .	2.2	29
8	The association of leaf sulfur content with the leaf economics spectrum and plant adaptive strategies. <i>Functional Plant Biology</i> , 2021, 48, 924-935.	2.1	14
9	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.	6.4	19
10	Different sets of traits explain abundance and distribution patterns of European plants at different spatial scales. <i>Journal of Vegetation Science</i> , 2021, 32, e13016.	2.2	15
11	A new method for indicator species analysis in the framework of multivariate analysis of variance. <i>Journal of Vegetation Science</i> , 2021, 32, e13013.	2.2	3
12	Plant functional and taxonomic diversity in European grasslands along climatic gradients. <i>Journal of Vegetation Science</i> , 2021, 32, e13027.	2.2	15
13	Dimensions of invasiveness: Links between local abundance, geographic range size, and habitat breadth in Europe's alien and native floras. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	47
14	Shedding light on typical species: implications for habitat monitoring. <i>Plant Sociology</i> , 2021, 58, 157-166.	2.4	26
15	Habitat type and island identity as drivers of community assembly in an archipelago. <i>Journal of Vegetation Science</i> , 2021, 32, .	2.2	6
16	TRY plant trait database "enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
17	Implementation of IUCN criteria for the definition of the Red List of Ecosystems in Italy. <i>Plant Biosystems</i> , 2020, 154, 1007-1011.	1.6	11
18	From abundance-based to functional-based indicator species. <i>Ecological Indicators</i> , 2020, 118, 106761.	6.3	9

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19	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.	0.9	33
20	Role of photo- and biodegradation of two PAHs on leaves: Modelling the impact on air quality ecosystem services provided by urban trees. <i>Science of the Total Environment</i> , 2020, 739, 139893.	8.0	14
21	Allometric variation of xylem and stomata across diverse woody seedlings. <i>Plant, Cell and Environment</i> , 2020, 43, 2301-2310.	5.7	13
22	Assessing the reliability of predicted plant trait distributions at the global scale. <i>Global Ecology and Biogeography</i> , 2020, 29, 1034-1051.	5.8	36
23	Global plant trait relationships extend to the climatic extremes of the tundra biome. <i>Nature Communications</i> , 2020, 11, 1351.	12.8	52
24	New national and regional Annex I Habitat records: from #13 to #15. <i>Plant Sociology</i> , 2020, 57, 65-74.	2.4	8
25	Plant-environment interactions through a functional traits perspective: a review of Italian studies. <i>Plant Biosystems</i> , 2019, 153, 853-869.	1.6	48
26	Alien plant species invade by occupying similar functional spaces to native species. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 257, 151419.	1.2	28
27	The functional trait spectrum of European temperate grasslands. <i>Journal of Vegetation Science</i> , 2019, 30, 777-788.	2.2	17
28	Plant trait variation along environmental indicators to infer global change impacts. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2019, 254, 113-121.	1.2	20
29	Traditional plant functional groups explain variation in economic but not size-related traits across the tundra biome. <i>Global Ecology and Biogeography</i> , 2019, 28, 78-95.	5.8	49
30	A low-cost and repeatable procedure for modelling the regional distribution of Natura 2000 terrestrial habitats. <i>Journal of Maps</i> , 2019, 15, 79-88.	2.0	8
31	Inter- and intraspecific variation in leaf economic traits in wheat and maize. <i>AoB PLANTS</i> , 2018, 10, p1y006.	2.3	31
32	A new method for quantifying the phylogenetic redundancy of biological communities. <i>Oecologia</i> , 2018, 186, 339-346.	2.0	10
33	A methodology to derive global maps of leaf traits using remote sensing and climate data. <i>Remote Sensing of Environment</i> , 2018, 218, 69-88.	11.0	104
34	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018, 562, 57-62.	27.8	451
35	Multiple facets of biodiversity drive the diversity-stability relationship. <i>Nature Ecology and Evolution</i> , 2018, 2, 1579-1587.	7.8	296
36	Growth form and spatiality driving the functional difference of native and alien aquatic plants in Europe. <i>Ecology and Evolution</i> , 2017, 7, 950-963.	1.9	35

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37	SoilPlusVeg: An integrated air-plant-litter-soil model to predict organic chemical fate and recycling in forests. <i>Science of the Total Environment</i> , 2017, 595, 169-177.	8.0	36
38	Ecology and floristic composition of heathlands in the Po basin and the Southern Alps (NW Italy). <i>Botany Letters</i> , 2017, 164, 433-444.	1.4	3
39	Mapping local and global variability in plant trait distributions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10937-E10946.	7.1	159
40	A global method for calculating plant <sc>CSR</sc> ecological strategies applied across biomes worldwide. <i>Functional Ecology</i> , 2017, 31, 444-457.	3.6	330
41	Why are many anthropogenic agroecosystems particularly species-rich?. <i>Plant Biosystems</i> , 2016, 150, 550-557.	1.6	39
42	Measuring the functional redundancy of biological communities: a quantitative guide. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1386-1395.	5.2	197
43	The global spectrum of plant form and function. <i>Nature</i> , 2016, 529, 167-171.	27.8	2,022
44	Integrating the Water Framework Directive into the Habitats Directive: Analysis of distribution patterns of lacustrine EU habitats in lakes of Lombardy (northern Italy). <i>Journal of Limnology</i> , 2016, 76, .	1.1	14
45	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.	1.6	4
46	A classical measure of phylogenetic dissimilarity and its relationship with beta diversity. <i>Basic and Applied Ecology</i> , 2015, 16, 10-18.	2.7	15
47	Estimation of Polycyclic Aromatic Hydrocarbon Variability in Air Using High Volume, Film, and Vegetation as Samplers. <i>Environmental Science & Technology</i> , 2015, 49, 5520-5528.	10.0	19
48	Towards more ecologically realistic scenarios of plant uptake modelling for chemicals: PAHs in a small forest. <i>Science of the Total Environment</i> , 2015, 505, 329-337.	8.0	44
49	An evolutionary perspective on leaf economics: phylogenetics of leaf mass per area in vascular plants. <i>Ecology and Evolution</i> , 2014, 4, 2799-2811.	1.9	53
50	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.	1.6	38
51	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.	1.6	24
52	Litter quality, decomposition rates and saprotrophic mycoflora in <i>Fallopia japonica</i> (Houtt.) Ronse Decraene and in adjacent native grassland vegetation. <i>Acta Oecologica</i> , 2014, 54, 29-35.	1.1	55
53	Forest Filter Effect: Role of leaves in capturing/releasing air particulate matter and its associated PAHs. <i>Atmospheric Environment</i> , 2013, 74, 378-384.	4.1	188
54	Allocating <sc>CSR</sc> 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.	3.6	223

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55	Comment on "Productivity Is a Poor Predictor of Plant Species Richness". <i>Science</i> , 2012, 335, 1441-1441.	12.6	49
56	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.	2.9	78
57	Is leaf dry matter content a better predictor of soil fertility than specific leaf area?. <i>Annals of Botany</i> , 2011, 108, 1337-1345.	2.9	219
58	Species evenness affects ecosystem processes in situ via diversity in the adaptive strategies of dominant species. <i>Plant Ecology</i> , 2010, 207, 333-345.	1.6	37
59	Can CSR classification be generally applied outside Britain?. <i>Plant Ecology</i> , 2010, 210, 253-261.	1.6	98
60	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.	1.6	15
61	Stomatal vs. genome size in angiosperms: the somatic tail wagging the genomic dog?. <i>Annals of Botany</i> , 2010, 105, 573-584.	2.9	121
62	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.	0.9	54
63	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.	1.6	12
64	Ecological factors affecting plant species and travertine deposition in petrifying springs from an Italian "Natura 2000" site. <i>Botanica Helvetica</i> , 2009, 119, 113-123.	1.1	7
65	Are morpho-functional traits reliable indicators of inherent relative growth rate for prealpine calcareous grassland species?. <i>Plant Biosystems</i> , 2008, 142, 60-65.	1.6	10
66	Seed germination in a narrow endemic species (<i>Telekia speciosissima</i> , Asteraceae): Implications for ex situ conservation. <i>Plant Biosystems</i> , 2007, 141, 56-61.	1.6	13
67	The leaf economics spectrum of Poaceae reflects variation in survival strategies. <i>Plant Biosystems</i> , 2007, 141, 337-343.	1.6	39
68	Disturbance is the principal β -scale filter determining niche differentiation, coexistence and biodiversity in an alpine community. <i>Journal of Ecology</i> , 2007, 95, 698-706.	4.0	101
69	Accumulation of Persistent Organic Pollutants in Canopies of Different Forest Types: A Role of Species Composition and Altitudinal-Temperature Gradient. <i>Environmental Science & Technology</i> , 2006, 40, 6580-6586.	10.0	33
70	The functional basis of a primary succession resolved by CSR classification. <i>Oikos</i> , 2006, 112, 10-20.	2.7	196
71	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.	4.7	18
72	From ancient genes to modern communities: the cellular stress response and the evolution of plant strategies. <i>Functional Ecology</i> , 2005, 19, 763-776.	3.6	60

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73	A functional method for classifying European grasslands for use in joint ecological and economic studies. <i>Basic and Applied Ecology</i> , 2005, 6, 119-131.	2.7	24
74	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.	4.1	68
75	Seed size, shape and persistence in soil: a test on Italian flora from Alps to Mediterranean coasts. <i>Seed Science Research</i> , 2003, 13, 75-85.	1.7	106
76	Conifer needles as passive biomonitors of the spatial and temporal distribution of DDT from a point source. <i>Chemosphere</i> , 2003, 52, 789-797.	8.2	66
77	Vegetation and environmental factors during primary succession on glacier forelands: Some outlines from the Italian Alps. <i>Plant Biosystems</i> , 2001, 135, 295-310.	1.6	39
78	Leaf structure and defence control litter decomposition rate across species and life forms in regional floras on two continents. <i>New Phytologist</i> , 1999, 143, 191-200.	7.3	424
79	Grado di Naturalit� e Fattori Antropici in Una Zona di Particolare Rilevanza Ambientale: Il Caso della Bassa Val Bregaglia. <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1996, 130, 440-440.	0.0	0
80	Elemento Boreale e Vegetazione di <i>Vaccinio-Piceetea</i> sul Versante Meridionale delle Alpi Orobie. <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1996, 130, 480-480.	0.0	0
81	Le Fitocenosi a <i>Fagus Sylvatica</i> L. Dell'Alto Lario Occidentale: Caratterizzazione e Significato Fitogeografico (Nota Preliminare). <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1996, 130, 479-479.	0.0	0
82	Studio Delle Variazioni Recenti del Limite Degli Alberi in val Ventina (Alpi Centrali, Sondrio). <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1996, 130, 512-512.	0.0	1
83	Vegetazione. <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1993, 127, 705-725.	0.0	0
84	Vegetazione. <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1992, 126, 438-454.	0.0	0