

Richard Michalet

List of Publications by Year in descending order

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86
papers

8,081
citations

87888

38
h-index

53230

85
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docs citations

89
times ranked

6593
citing authors

#	ARTICLE	IF	CITATIONS
1	Rainfall continentality, via the winter Gams angle, provides a new dimension to biogeographical distributions in the western United States. <i>Global Ecology and Biogeography</i> , 2021, 30, 384-397.	5.8	16
2	A Regional Assessment of Changes in Plant-Plant Interactions Along Topography Gradients in Tunisian Sebkhâs. <i>Ecosystems</i> , 2021, 24, 1024-1037.	3.4	8
3	Direct and indirect facilitation affect community productivity through changes in functional diversity in an alpine system. <i>Annals of Botany</i> , 2021, 127, 241-249.	2.9	8
4	Shift from short-term competition to facilitation with drought stress is due to a decrease in long-term facilitation. <i>Oikos</i> , 2021, 130, 29-40.	2.7	10
5	Contrasting responses of different functional groups stabilize community responses to a dominant shrub under global change. <i>Journal of Ecology</i> , 2021, 109, 1676-1689.	4.0	11
6	Are complementarity effects of species richness on productivity the strongest in species-rich communities?. <i>Journal of Ecology</i> , 2021, 109, 2038-2046.	4.0	21
7	Fire slightly decreases the competitive effects of a thorny cushion shrub in a semi-arid mountain steppe in the short term. <i>Applied Vegetation Science</i> , 2021, 24, e12575.	1.9	6
8	The role of physical disturbance for litter decomposition and nutrient cycling in coastal sand dunes. <i>Ecological Engineering</i> , 2021, 162, 106181.	3.6	4
9	Benefit versus cost trade-offs of masting across seed-to-seedling transition for a dominant subtropical forest species. <i>Journal of Ecology</i> , 2021, 109, 3087-3098.	4.0	9
10	Observations of Tidal Flat Sedimentation within a Native and an Exotic <i>Spartina</i> Species. <i>Water (Switzerland)</i> , 2021, 13, 1566.	2.7	2
11	<i>Artemisia sieberi</i> shrubs have contrasting specific effects on understory species in Iranian steppes. <i>Journal of Vegetation Science</i> , 2021, 32, e13067.	2.2	3
12	Morphological and ecological responses of a managed coastal sand dune to experimental notches. <i>Science of the Total Environment</i> , 2021, 782, 146813.	8.0	17
13	Species stress tolerance and community competitive effects drive differences in species composition between calcareous and siliceous plant communities. <i>Journal of Ecology</i> , 2021, 109, 4132-4142.	4.0	8
14	Dominant woody plants alter soil microbial community composition during succession. <i>Global Ecology and Conservation</i> , 2021, 31, e01852.	2.1	3
15	Variation in biomass and nutrients allocation of <i>Corydalis hendersonii</i> on the Tibetan Plateau with increasing rainfall continentality and altitude. <i>Ecological Indicators</i> , 2021, 132, 108244.	6.3	4
16	Tree genotypes affect rock lichens and understory plants: examples of trophic-independent interactions. <i>Ecology</i> , 2021, , e03589.	3.2	2
17	The consistency of home-field advantage effects with varying climate conditions. <i>Soil Biology and Biochemistry</i> , 2020, 149, 107934.	8.8	10
18	Disentangling Large- and Small-Scale Abiotic and Biotic Factors Shaping Soil Microbial Communities in an Alpine Cushion Plant System. <i>Frontiers in Microbiology</i> , 2020, 11, 925.	3.5	25

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19	Species specificity challenges the predictability of facilitation along a regional desert gradient. <i>Journal of Vegetation Science</i> , 2020, 31, 887-898.	2.2	11
20	Coastal Dune Morphology Evolution Combining Lidar and UAV Surveys, Truc Vert beach 2011-2019. <i>Journal of Coastal Research</i> , 2020, 95, 163.	0.3	7
21	Beach-dune Recovery from the Extreme 2013-2014 Storms Erosion at Truc Vert Beach, Southwest France: New Insights from Ground-penetrating Radar. <i>Journal of Coastal Research</i> , 2020, 95, 588.	0.3	11
22	Intraspecific facilitation explains the spread of the invasive engineer <i>Spartina anglica</i> in Atlantic salt marshes. <i>Journal of Vegetation Science</i> , 2019, 30, 212-223.	2.2	14
23	Responses of different herb life-history groups to a dominant shrub species along a dune stabilization gradient. <i>Basic and Applied Ecology</i> , 2019, 38, 1-12.	2.7	11
24	Potential of High-Resolution PlanetSat Imagery to Monitor Salt Marsh Evolution After <i>Spartina</i> Invasion. <i>Remote Sensing</i> , 2019, 11, 968.	4.0	14
25	Low-Cost UAV for High-Resolution and Large-Scale Coastal Dune Change Monitoring Using Photogrammetry. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 63.	2.6	104
26	Stature of dependent forbs is more related to the direct and indirect above- and below-ground effects of a subalpine shrub than are foliage traits. <i>Journal of Vegetation Science</i> , 2019, 30, 403-412.	2.2	8
27	Interactive effects of climate and topography on soil salinity and vegetation zonation in North African continental saline depressions. <i>Journal of Vegetation Science</i> , 2019, 30, 312-321.	2.2	13
28	Phenotypic effects of the nurse <i>Thylacospermum caespitosum</i> on dependent plant species along regional climate stress gradients. <i>Oikos</i> , 2018, 127, 252-263.	2.7	18
29	Harnessing positive species interactions as a tool against climate-driven loss of coastal biodiversity. <i>PLoS Biology</i> , 2018, 16, e2006852.	5.6	91
30	The balance of canopy and soil effects determines intraspecific differences in foundation species effects on associated plants. <i>Functional Ecology</i> , 2018, 32, 2253-2263.	3.6	19
31	Benefactor facilitation and beneficiary feedback effects drive shrub-dominated community succession in a semi-arid dune ecosystem. <i>Applied Vegetation Science</i> , 2018, 21, 595-606.	1.9	24
32	Direct litter interference and indirect soil competitive effects of two contrasting phenotypes of a spiny legume shrub drive the forb composition of an oromediterranean community. <i>Oikos</i> , 2017, 126, 1090-1100.	2.7	18
33	Contrasting understorey species responses to the canopy and root effects of a dominant shrub drive community composition. <i>Journal of Vegetation Science</i> , 2017, 28, 1118-1127.	2.2	14
34	Facilitation in communities: underlying mechanisms, community and ecosystem implications. <i>Functional Ecology</i> , 2016, 30, 3-9.	3.6	94
35	Disentangling canopy and soil effects of a savanna tree species on its understorey. <i>Journal of Vegetation Science</i> , 2016, 27, 771-779.	2.2	11
36	The relative contribution of short-term versus long-term effects in shrub-understorey species interactions under arid conditions. <i>Oecologia</i> , 2016, 180, 529-542.	2.0	34

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37	Beneficiary feedback effects on alpine cushion benefactors become more negative with increasing cover of graminoids and in dry conditions. <i>Functional Ecology</i> , 2016, 30, 79-87.	3.6	38
38	Disentangling the heritable and plastic components of the competitive and facilitative effects of an alpine foundation species. <i>Journal of Ecology</i> , 2015, 103, 1172-1182.	4.0	20
39	Weak Evidence of Regeneration Habitat but Strong Evidence of Regeneration Niche for a Leguminous Shrub. <i>PLoS ONE</i> , 2015, 10, e0130886.	2.5	11
40	The effects of foundation species on community assembly: a global study on alpine cushion plant communities. <i>Ecology</i> , 2015, 96, 2064-2069.	3.2	53
41	Disentangling direct and indirect effects of a legume shrub on its understorey community. <i>Oikos</i> , 2015, 124, 1251-1262.	2.7	53
42	Limitations to the use of facilitation as a restoration tool in arid grazed savanna: a case study. <i>Applied Vegetation Science</i> , 2015, 18, 391-401.	1.9	35
43	Competition, facilitation and environmental severity shape the relationship between local and regional species richness in plant communities. <i>Ecography</i> , 2015, 38, 335-345.	4.5	64
44	Differential effects of contrasting phenotypes of a foundation legume shrub drive plant-plant interactions in a Mediterranean mountain. <i>Journal of Vegetation Science</i> , 2015, 26, 373-384.	2.2	19
45	Communities: are they groups of hidden interactions?. <i>Journal of Vegetation Science</i> , 2015, 26, 207-218.	2.2	58
46	The context dependence of beneficiary feedback effects on benefactors in plant facilitation. <i>New Phytologist</i> , 2014, 204, 386-396.	7.3	37
47	Facilitation displaces hotspots of diversity and allows communities to persist in heavily stressed and disturbed environments. <i>Journal of Vegetation Science</i> , 2014, 25, 66-76.	2.2	33
48	Phenotypic differentiation within a foundation grass species correlates with species richness in a subalpine community. <i>Oecologia</i> , 2014, 176, 533-544.	2.0	25
49	Partitioning net interactions among plants along altitudinal gradients to study community responses to climate change. <i>Functional Ecology</i> , 2014, 28, 75-86.	3.6	120
50	Importance, but not intensity of plant interactions relates to species diversity under the interplay of stress and disturbance. <i>Oikos</i> , 2014, 123, 777-785.	2.7	48
51	A global analysis of bidirectional interactions in alpine plant communities shows facilitators experiencing strong reciprocal fitness costs. <i>New Phytologist</i> , 2014, 202, 95-105.	7.3	79
52	Two alternatives to the stress-gradient hypothesis at the edge of life: the collapse of facilitation and the switch from facilitation to competition. <i>Journal of Vegetation Science</i> , 2014, 25, 609-613.	2.2	157
53	Facilitative plant interactions and climate simultaneously drive alpine plant diversity. <i>Ecology Letters</i> , 2014, 17, 193-202.	6.4	274
54	Do indirect interactions always contribute to net indirect facilitation?. <i>Ecological Modelling</i> , 2013, 268, 1-8.	2.5	11

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55	Ecological resistance to <i>Acer negundo</i> invasion in a European riparian forest: relative importance of environmental and biotic drivers. <i>Applied Vegetation Science</i> , 2013, 16, 184-192.	1.9	11
56	Disentangling the effects of water and nutrients for studying the outcome of plant interactions in sand dune ecosystems. <i>Journal of Vegetation Science</i> , 2013, 24, 375-383.	2.2	40
57	The role of biotic interactions for the early establishment of oak seedlings in coastal dune forest communities. <i>Forest Ecology and Management</i> , 2013, 297, 67-74.	3.2	45
58	The interplay of stress and mowing disturbance for the intensity and importance of plant interactions in dry calcareous grasslands. <i>Annals of Botany</i> , 2012, 110, 821-828.	2.9	62
59	Integrating climate change into calcareous grassland management. <i>Journal of Applied Ecology</i> , 2012, 49, 795-802.	4.0	21
60	Phenotypic variation in nurse traits and community feedbacks define an alpine community. <i>Ecology Letters</i> , 2011, 14, 433-443.	6.4	115
61	Does disturbance drive the collapse of biotic interactions at the severe end of a diversity-biomass gradient?. <i>Plant Ecology</i> , 2010, 206, 287-295.	1.6	48
62	<i>Acer negundo</i> invasion along a successional gradient: early direct facilitation by native pioneers and late indirect facilitation by conspecifics. <i>New Phytologist</i> , 2010, 187, 831-842.	7.3	109
63	Facilitation of <i>Quercus ilex</i> in Mediterranean shrubland is explained by both direct and indirect interactions mediated by herbs. <i>Journal of Ecology</i> , 2010, 98, 687-696.	4.0	116
64	Biotic Interactions, Biodiversity, and Community Productivity. , 2010, , 59-78.		6
65	Grass-to-tree facilitation in an arid grazed environment (Aïr Mountains, Sahara). <i>Basic and Applied Ecology</i> , 2009, 10, 437-446.	2.7	57
66	The interplay between species' positive and negative interactions shapes the community biomass-species richness relationship. <i>Oikos</i> , 2009, 118, 1343-1348.	2.7	47
67	The role of biotic interactions in altering tree seedling responses to an extreme climatic event. <i>Journal of Vegetation Science</i> , 2009, 20, 403-414.	2.2	62
68	Don't Diss Integrate: A Comment on Ricklefs's Disintegrating Communities. <i>American Naturalist</i> , 2009, 174, 919-927.	2.1	83
69	Facilitation in plant communities: the past, the present, and the future. <i>Journal of Ecology</i> , 2008, 96, 18-34.	4.0	788
70	The relative importance of disturbance and environmental stress at local and regional scales in French coastal sand dunes. <i>Journal of Vegetation Science</i> , 2008, 19, 493-502.	2.2	87
71	Highlighting the multiple drivers of change in interactions along stress gradients. <i>New Phytologist</i> , 2007, 173, 3-6.	7.3	96
72	Do biotic interactions shape both sides of the humped-back model of species richness in plant communities?. <i>Ecology Letters</i> , 2006, 9, 767-773.	6.4	517

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73	Is facilitation in arid environments the result of direct or complex interactions?. <i>New Phytologist</i> , 2006, 169, 3-6.	7.3	107
74	Contrasted Responses of Two Understorey Species to Direct and Indirect Effects of a Canopy Gap. <i>Plant Ecology</i> , 2006, 187, 179-187.	1.6	21
75	The importance of importance. <i>Oikos</i> , 2005, 109, 63-70.	2.7	289
76	STRESS TOLERANCE AND COMPETITIVE-RESPONSE ABILITY DETERMINE THE OUTCOME OF BIOTIC INTERACTIONS. <i>Ecology</i> , 2005, 86, 1611-1618.	3.2	369
77	Rethinking plant community theory. <i>Oikos</i> , 2004, 107, 433-438.	2.7	479
78	A test of the indirect facilitation model in a temperate hardwood forest of the northern French Alps. <i>Journal of Ecology</i> , 2003, 91, 932-940.	4.0	52
79	The relative importance of competition for two dominant grass species as affected by environmental manipulations in the field. <i>Ecoscience</i> , 2003, 10, 186-194.	1.4	50
80	Plant Community Composition and Biomass on Calcareous and Siliceous Substrates in the Northern French Alps: Comparative Effects of Soil Chemistry and Water Status. <i>Arctic, Antarctic, and Alpine Research</i> , 2002, 34, 102.	1.1	40
81	Plant Community Composition and Biomass on Calcareous and Siliceous Substrates in the Northern French Alps: Comparative Effects of Soil Chemistry and Water Status. <i>Arctic, Antarctic, and Alpine Research</i> , 2002, 34, 102-113.	1.1	62
82	Positive interactions among alpine plants increase with stress. <i>Nature</i> , 2002, 417, 844-848.	27.8	1,821
83	Niche differentiation and distribution of <i>Carex curvula</i> along a bioclimatic gradient in the southwestern Alps. <i>Journal of Vegetation Science</i> , 2002, 13, 851-858.	2.2	34
84	FACILITATION AND COMPETITION ON GRADIENTS IN ALPINE PLANT COMMUNITIES. <i>Ecology</i> , 2001, 82, 3295-3308.	3.2	579
85	Dendroécologie comparée du sapin blanc (<i>Abies alba</i>) et de l'Épicéa commun (<i>Picea abies</i>) dans une vallée alpine de France. <i>Canadian Journal of Forest Research</i> , 1998, 28, 737-748.	1.7	40
86	Effect and response traits in severe environments in the context of positive plant-plant interactions. A commentary on: "Interspecific interactions alter plant functional strategies in a revegetated shrub-dominated community in the Mu Us Desert". <i>Annals of Botany</i> , 0, , .	2.9	4