Elise Buisson

List of Publications by Year
in descending order

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99 papers	4,323 citations	126708 33 h-index	123241 61 g-index
104 all docs	104 docs citations	104 times ranked	4437 citing authors

#	Article	IF	Citations
1	Ecology and evolution of plant diversity in the endangered campo rupestre: a neglected conservation priority. Plant and Soil, 2016, 403, 129-152.	1.8	467
2	Toward an oldâ€growth concept for grasslands, savannas, and woodlands. Frontiers in Ecology and the Environment, 2015, 13, 154-162.	1.9	349
3	Where Tree Planting and Forest Expansion are Bad for Biodiversity and Ecosystem Services. BioScience, 2015, 65, 1011-1018.	2.2	298
4	Linking plant phenology to conservation biology. Biological Conservation, 2016, 195, 60-72.	1.9	260
5	Resilience and restoration of tropical and subtropical grasslands, savannas, and grassy woodlands. Biological Reviews, 2019, 94, 590-609.	4.7	205
6	Comment on â€œThe global tree restoration potentialâ€• Science, 2019, 366, .	6.0	185
7	Tyranny of trees in grassy biomes. Science, 2015, 347, 484-485.	6.0	140
8	Influence of former cultivation on the unique Mediterranean steppe of France and consequences for conservation management. Biological Conservation, 2005, 121, 21-33.	1.9	95
9	Step back from the forest and step up to the Bonn Challenge: how a broad ecological perspective can promote successful landscape restoration. Restoration Ecology, 2019, 27, 705-719.	1.4	93
10	Restoration of <scp>N</scp>eotropical grasslands degraded by quarrying using hay transfer. Applied Vegetation Science, 2014, 17, 482-492.	0.9	86
11	Priority effects: Emerging principles for invasive plant species management. Ecological Engineering, 2019, 127, 48-57.	1.6	82
12	The implications of seed rain and seed bank patterns for plant succession at the edges of abandoned fields in Mediterranean landscapes. Agriculture, Ecosystems and Environment, 2006, 115, 6-14.	2.5	78
13	Monographs of invasive plants in Europe:Carpobrotus. Botany Letters, 2018, 165, 440-475.	0.7	78
14	Diversity of germination strategies and seed dormancy in herbaceous species of campo rupestre grasslands. Austral Ecology, 2015, 40, 537-546.	0.7	75
15	Linking plant morphological traits to uprooting resistance in eroded marly lands (Southern Alps,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	58
16	Plant phenological research enhances ecological restoration. Restoration Ecology, 2017, 25, 164-171.	1.4	57
17	Creation of the natural reserve of La Crau: Implications for the creation and management of protected areas. Journal of Environmental Management, 2006, 80, 318-326.	3.8	56
18	Species introduction â€“ a major topic in vegetation restoration. Applied Vegetation Science, 2012, 15, 161-165.	0.9	56

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19	Vegetation composition and structure of some Neotropical mountain grasslands in Brazil. Journal of Mountain Science, 2015, 12, 864-877.	0.8	56
20	Restoring Brazilian savanna ground layer vegetation by topsoil and hay transfer. Restoration Ecology, 2018, 26, 73-81.	1.4	50
21	Mythâ€busting tropical grassy biome restoration. Restoration Ecology, 2020, 28, 1067-1073.	1.4	50
22	New synthetic indicators to assess community resilience and restoration success. Ecological Indicators, 2013, 29, 468-477.	2.6	49
23	Beyond the species pool: modification of species dispersal, establishment, and assembly by habitat restoration. Restoration Ecology, 2018, 26, S65.	1.4	45
24	A research agenda for the restoration of tropical and subtropical grasslands and savannas. Restoration Ecology, 2021, 29, e13292.	1.4	45
25	The role of native woody species in the restoration of <scp>Campos Rupestres</scp> in quarries. Applied Vegetation Science, 2014, 17, 109-120.	0.9	44
26	Discrimination between agricultural management and the hedge effect in pear orchards (south-eastern France). Annals of Applied Biology, 2006, 149, 347-355.	1.3	42
27	The status of transitions between cultivated fields and their boundaries: ecotones, ecoclines or edge effects?. Acta Oecologica, 2007, 31, 127-136.	0.5	42
28	Effect of Seed Source, Topsoil Removal, and Plant Neighbor Removal on Restoring California Coastal Prairies. Restoration Ecology, 2006, 14, 569-577.	1.4	41
29	Sampling soil wood charcoals at a high spatial resolution: a new methodology to investigate the origin of grassland plant communities. Journal of Vegetation Science, 2009, 20, 349-358.	1.1	40
30	Vegetation dynamics in a corridor between protected areas after slash-and-burn cultivation in south-eastern Madagascar. Agriculture, Ecosystems and Environment, 2012, 159, 1-8.	2.5	39
31	Are old Mediterranean grasslands resilient to human disturbances?. Acta Oecologica, 2012, 43, 86-94.	0.5	38
32	Can ecological engineering restore Mediterranean rangeland after intensive cultivation? A large-scale experiment in southern France. Ecological Engineering, 2014, 64, 202-212.	1.6	38
33	Biome Awareness Disparity is BAD for tropical ecosystem conservation and restoration. Journal of Applied Ecology, 2022, 59, 1967-1975.	1.9	38
34	Colonisation by native species of abandoned farmland adjacent to a remnant patch of Mediterranean steppe. Plant Ecology, 2004, 174, 371-384.	0.7	36
35	Hay Transfer Promotes Establishment of Mediterranean Steppe Vegetation on Soil Disturbed by Pipeline Construction. Restoration Ecology, 2011, 19, 214-222.	1.4	35
36	Regeneration after fire in campo rupestre: Short- and long-term vegetation dynamics. Flora: Morphology, Distribution, Functional Ecology of Plants, 2018, 238, 191-200.	0.6	33

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37	Reintroduction ofNassella pulchrato California coastal grasslands: Effects of topsoil removal, plant neighbour removal and grazing. Applied Vegetation Science, 2008, 11, 195-204.	0.9	30
38	Land use history and botanical changes in the calcareous hillsides of Upper-Normandy (north-western France): new implications for their conservation management. Biological Conservation, 2004, 115, 1-19.	1.9	29
39	Eradications as scientific experiments: progress in simultaneous eradications of two major invasive taxa from a Mediterranean island. Pest Management Science, 2015, 71, 189-198.	1.7	29
40	Reproductive phenology of two coâ€•occurring Neotropical mountain grasslands. Journal of Vegetation Science, 2018, 29, 15-24.	1.1	29
41	Urgent need for updating the slogan of global climate actions from â€œtree plantingâ€•to â€œrestore native vegetationâ€• Restoration Ecology, 2022, 30, e13594.	1.4	27
42	Topsoil removal improves various restoration treatments of a <scp>M</scp>editerranean steppe (<scp>L</scp>a <scp>C</scp>rau, southeast <scp>F</scp>rance). Applied Vegetation Science, 2014, 17, 236-245.	0.9	26
43	No recovery of campo rupestre grasslands after gravel extraction: implications for conservation and restoration. Restoration Ecology, 2018, 26, S151.	1.4	26
44	Fire and the reproductive phenology of endangered Madagascar sclerophyllous tapia woodlands. South African Journal of Botany, 2014, 94, 79-87.	1.2	25
45	A set of PCRs for rapid identification and characterization of Pseudomonas syringae phylogroups. Journal of Applied Microbiology, 2016, 120, 714-723.	1.4	23
46	Using a twoâ€•phase sowing approach in restoration: sowing foundation species to restore, and subordinate species to evaluate restoration success. Applied Vegetation Science, 2012, 15, 277-289.	0.9	22
47	Long-term effects of topsoil transfer assessed thirty years after rehabilitation of dry alluvial quarries in Southeastern France. Ecological Engineering, 2017, 99, 1-12.	1.6	22
48	Key issues in Northwestern Mediterranean dry grassland restoration. Restoration Ecology, 2021, 29, e13258.	1.4	22
49	First-year results of a multi-treatment steppe restoration experiment in La Crau (Provence, France). Plant Ecology and Evolution, 2012, 145, 13-23.	0.3	21
50	Using stone cover patches and grazing exclusion to restore ground-active beetle communities in a degraded pseudo-steppe. Journal of Insect Conservation, 2011, 15, 561-572.	0.8	20
51	Using limiting similarity to enhance invasion resistance: Theoretical and practical concerns. Journal of Applied Ecology, 2020, 57, 559-565.	1.9	20
52	Conceptual and methodological issues in estimating the success of ecological restoration. Ecological Indicators, 2021, 123, 107362.	2.6	20
53	Consequences of the cessation of 3000 years of grazing on dry Mediterranean grassland ground-active beetle assemblages. Comptes Rendus - Biologies, 2008, 331, 532-546.	0.1	19
54	Substrate Composition and Depth Affect Soil Moisture Behavior and Plant-Soil Relationship on Mediterranean Extensive Green Roofs. Water (Switzerland), 2017, 9, 817.	1.2	19

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55	Species transfer via topsoil translocation: lessons from two large Mediterranean restoration projects. Restoration Ecology, 2018, 26, S179.	1.4	19
56	Eradication of invasive Carpobrotus sp.: effects on soil and vegetation. Restoration Ecology, 2018, 26, 106-113.	1.4	18
57	Consequences of iceplant (Carpobrotus) invasion on the vegetation and seed bank structure on a Mediterranean island: response elements for their local eradication. Acta Botanica Gallica, 2014, 161, 301-308.	0.9	17
58	Limiting processes for perennial plant reintroduction to restore dry grasslands. Restoration Ecology, 2015, 23, 947-954.	1.4	16
59	Overcoming challenges on using native seeds for restoration of megadiverse resourceâ€poor environments: a reply to Madsen et al.. Restoration Ecology, 2016, 24, 710-713.	1.4	16
60	Identifying reference communities in ecological restoration: the use of environmental conditions driving vegetation composition. Restoration Ecology, 2020, 28, 1445-1453.	1.4	16
61	Dynamique dâ€™une communautÃ© dâ€™adventices dans un champ de cÃ©rÃ©ales crÃ©Ã© aprÃ¨s le labour dâ€™une prairie semi-naturelle : rÃ1es de la banque de graines permanente. Ecoscience, 2003, 10, 225-235.	0.6	15
62	Phenology Patterns Across a Rupestrian Grassland Altitudinal Gradient. , 2016, , 275-289.		15
63	Native plant community recovery after Carpobrotus (ice plant) removal on an island â€" results of a 10â€year project. Applied Vegetation Science, 2021, 24, .	0.9	15
64	Spatial distribution of an arthropod community in a pear orchard (southern France). Agriculture, Ecosystems and Environment, 2008, 127, 166-176.	2.5	14
65	Achieving Sustainable Conservation in Madagascar: The Case of the Newly Established Ibity Mountain Protected Area. Tropical Conservation Science, 2015, 8, 367-395.	0.6	14
66	How have we studied seed rain in grasslands and what do we need to improve for better restoration?. Restoration Ecology, 2018, 26, S84.	1.4	14
67	Impact of quarry exploitation and disuse on pedogenesis. Catena, 2018, 160, 354-365.	2.2	14
68	Using Microwave Soil Heating to Inhibit Invasive Species Seed Germination. Invasive Plant Science and Management, 2017, 10, 262-270.	0.5	13
69	Comparison of plant communities on the Ibity and Itremo massifs, Madagascar, with contrasting conservation histories and current status. Plant Ecology and Diversity, 2014, 7, 497-508.	1.0	12
70	Immediate response to translocation without acclimation from captivity to the wild in Hermannâ€™s tortoise. European Journal of Wildlife Research, 2014, 60, 897-907.	0.7	11
71	Microwave soil heating reduces seedling emergence of a wide range of species including invasives. Restoration Ecology, 2018, 26, S160.	1.4	10
72	Promoting ecological restoration in France: issues and solutions. Restoration Ecology, 2018, 26, 36-44.	1.4	10

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73	Past cultivation is a factor driving organization of dry grassland ground-active beetle communities. Environmental Conservation, 2007, 34, 132-139.	0.7	9
74	Giving recipient communities a greater head start and including productive species boosts early resistance to invasion. Applied Vegetation Science, 2020, 23, 340-352.	0.9	9
75	Seedling recruitment in mountain grassland restoration: Effects of soil preparation and grazing. Applied Vegetation Science, 2021, 24, .	0.9	9
76	How much leaf area do insects eat? A data set of insect herbivory sampled globally with a standardized protocol. Ecology, 2021, 102, e03301.	1.5	9
77	Mountain grassland restoration using hay and brush material transfer combined with temporary wheat cover. Ecological Engineering, 2022, 174, 106447.	1.6	9
78	Temporary wetland restoration after rice cultivation: is soil transfer required for aquatic plant colonization?. Knowledge and Management of Aquatic Ecosystems, 2013, , 03.	0.5	8
79	Effect of topsoil removal and plant material transfer on vegetation development in created ‹scp›M‹/scp›editerranean mesoâ€xeric grasslands. Applied Vegetation Science, 2014, 17, 246-261.	0.9	8
80	PremiÃ¨re expÃ©rimentation de compensation par l'offreÂ: bilan et perspective. Sciences Eaux & Territoires, 2015, NumÃ©ro 16, 64-69.	0.1	8
81	Limited seed dispersability in a megadiverse OCBIL grassland. Biological Journal of the Linnean Society, 2021, 133, 499-511.	0.7	7
82	Impacts of the removal of invasive Carpobrotus on spider assemblage dynamics. Biodiversity and Conservation, 2021, 30, 497-518.	1.2	7
83	Altering native community assembly history influences the performance of an annual invader. Basic and Applied Ecology, 2022, 59, 70-81.	1.2	7
84	Conservation of grassland patches failed to enhance colonization of ground-active beetles on formerly cultivated plots. Environmental Conservation, 2008, 35, 109-116.	0.7	6
85	Seed storage-mediated dormancy alleviation in Fabaceae from campo rupestre. Acta Botanica Brasilica, 2015, 29, 445-447.	0.8	6
86	Modeling landscape structure constraints on species dispersal with a cellular automaton: Are there convergences with empirical data?. Ecological Complexity, 2009, 6, 183-190.	1.4	5
87	Plant communities of a coastal lagoon foredune: definition of the reference and restoration after compaction. Acta Botanica Gallica, 2014, 161, 277-286.	0.9	5
88	Topsoil disturbance reshapes diaspore interactions with groundâ€foraging animals in a megadiverse grassland. Journal of Vegetation Science, 2020, 31, 1039-1052.	1.1	5
89	Beetle assemblage dynamics after invasive ice plant (‹i›Carpobrotus‹/i›) removal on a small Mediterranean island. Restoration Ecology, 2021, 29, e13387.	1.4	5
90	Recovery of arbuscular mycorrhizal fungi root colonization after severe anthropogenic disturbance: four species assessed in old-growth Mediterranean grassland. Folia Geobotanica, 2016, 51, 319-332.	0.4	4

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91	Soil compaction enhances the impact of microwave heating on seedling emergence. Flora: Morphology, Distribution, Functional Ecology of Plants, 2019, 259, 151457.	0.6	4
92	Ibity Mountain, Madagascar: Background and Perspectives for Ecological Restoration. Ecological Restoration, 2012, 30, 12-15.	0.6	4
93	Effects of heat on the germination of sclerophyllous forest species in the highlands of <scp>M</scp>adagascar. Austral Ecology, 2015, 40, 601-610.	0.7	3
94	Changes in weed species composition in irrigated agriculture in Saharan Algeria. Weed Research, 2018, 58, 424-436.	0.8	2
95	Using various artificial soil mixtures to restore dry grasslands in quarries. Restoration Ecology, 2022, 30, .	1.4	2
96	Dossierâ€‰: La fabrique de la compensation Ã©cologiqueâ€‰: controverses et pratiques â€“ Regards dâ€™Ã©cologues sur le premier site naturel de compensation franÃ§ais. Natures Sciences Societes, 2018, 26, 215-222.	0.1	1
97	A simple standardized protocol to evaluate the reliability of seed rain estimates. Seed Science Research, 2020, 30, 304-309.	0.8	1
98	Phenological patterns of herbaceous Mediterranean plant communities in spring: is there a difference between native and formerly-cultivated grasslands?. Plant Ecology and Evolution, 2022, 155, 207-220.	0.3	1
99	Hay transfer and sowing structuring species: Two complementary ecological engineering techniques to restore dry grassland communities. Procedia Environmental Sciences, 2011, 9, 33-39.	1.3	0