

# Thierry Dutoit

## List of Publications by Year in descending order

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112  
papers

3,156  
citations

117625

34  
h-index

197818

49  
g-index

125  
all docs

125  
docs citations

125  
times ranked

2982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Restoration and Rehabilitation of Species-Rich Grassland Ecosystems in France: a Review. <i>Restoration Ecology</i> , 1998, 6, 94-101.	2.9	134
2	Plant root traits affecting the resistance of soils to concentrated flow erosion. <i>Earth Surface Processes and Landforms</i> , 2012, 37, 1463-1470.	2.5	134
3	Influence of former cultivation on the unique Mediterranean steppe of France and consequences for conservation management. <i>Biological Conservation</i> , 2005, 121, 21-33.	4.1	95
4	Adapting green roof irrigation practices for a sustainable future: A review. <i>Sustainable Cities and Society</i> , 2015, 19, 74-90.	10.4	90
5	Germination traits explain soil seed persistence across species: the case of Mediterranean annual plants in cereal fields. <i>Annals of Botany</i> , 2011, 107, 415-426.	2.9	88
6	Gardens in urbanizing rural areas reveal an unexpected floral diversity related to housing density. <i>Comptes Rendus - Biologies</i> , 2008, 331, 452-465.	0.2	81
7	The implications of seed rain and seed bank patterns for plant succession at the edges of abandoned fields in Mediterranean landscapes. <i>Agriculture, Ecosystems and Environment</i> , 2006, 115, 6-14.	5.3	78
8	Title is missing!. <i>Biodiversity and Conservation</i> , 2001, 10, 119-135.	2.6	75
9	The seed bank longevity index revisited: limited reliability evident from a burial experiment and database analyses. <i>Annals of Botany</i> , 2009, 104, 715-724.	2.9	75
10	The age and history of the French Mediterranean steppe revisited by soil wood charcoal analysis. <i>Holocene</i> , 2010, 20, 25-34.	1.7	69
11	From the backyard to the backcountry: how ecological and biological traits explain the escape of garden plants into Mediterranean old fields. <i>Biological Invasions</i> , 2010, 12, 761-779.	2.4	65
12	Plant functional traits and species ability for sediment retention during concentrated flow erosion. <i>Plant and Soil</i> , 2012, 353, 135-144.	3.7	61
13	Permanent seed banks in chalk grassland under various management regimes: their role in the restoration of species-rich plant communities. <i>Biodiversity and Conservation</i> , 1995, 4, 939-950.	2.6	59
14	Plant trait analysis delivers an extensive list of potential green roof species for Mediterranean France. <i>Ecological Engineering</i> , 2014, 67, 48-59.	3.6	59
15	Linking plant morphological traits to uprooting resistance in eroded marly lands (Southern Alps). <i>Journal of Environmental Management</i> , 2014, 121, 107-114.	3.7	58
16	Mediterranean open habitat vegetation offers great potential for extensive green roof design. <i>Landscape and Urban Planning</i> , 2014, 121, 81-91.	7.5	57
17	Selection of native plants with phytoremediation potential for highly contaminated Mediterranean soil restoration: Tools for a non-destructive and integrative approach. <i>Journal of Environmental Management</i> , 2016, 183, 850-863.	7.8	57
18	Creation of the natural reserve of La Crau: Implications for the creation and management of protected areas. <i>Journal of Environmental Management</i> , 2006, 80, 318-326.	7.8	56

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19	Species introduction "a major topic in vegetation restoration. <i>Applied Vegetation Science</i> , 2012, 15, 161-165.	1.9	56
20	Patterns of secondary succession in calcareous grasslands: can we distinguish the influence of former land uses from present vegetation data?. <i>Basic and Applied Ecology</i> , 2005, 6, 161-173.	2.7	49
21	New synthetic indicators to assess community resilience and restoration success. <i>Ecological Indicators</i> , 2013, 29, 468-477.	6.3	49
22	Environmental impact assessment of development projects improved by merging species distribution and habitat connectivity modelling. <i>Journal of Environmental Management</i> , 2019, 241, 439-449.	7.8	48
23	Species Traits as Practical Tools for Ecological Restoration of Marly Eroded Lands. <i>Restoration Ecology</i> , 2014, 22, 633-640.	2.9	45
24	Functional diversity as a framework for novel ecosystem design: The example of extensive green roofs. <i>Landscape and Urban Planning</i> , 2015, 136, 165-173.	7.5	44
25	Integrating a landscape connectivity approach into mitigation hierarchy planning by anticipating urban dynamics. <i>Landscape and Urban Planning</i> , 2020, 202, 103871.	7.5	44
26	Discrimination between agricultural management and the hedge effect in pear orchards (south-eastern France). <i>Annals of Applied Biology</i> , 2006, 149, 347-355.	2.5	42
27	The status of transitions between cultivated fields and their boundaries: ecotones, ecoclines or edge effects?. <i>Acta Oecologica</i> , 2007, 31, 127-136.	1.1	42
28	Effect of Seed Source, Topsoil Removal, and Plant Neighbor Removal on Restoring California Coastal Prairies. <i>Restoration Ecology</i> , 2006, 14, 569-577.	2.9	41
29	Sampling soil wood charcoals at a high spatial resolution: a new methodology to investigate the origin of grassland plant communities. <i>Journal of Vegetation Science</i> , 2009, 20, 349-358.	2.2	40
30	Factors influencing soil macrofaunal communities in post-pastoral successions of western France. <i>Applied Soil Ecology</i> , 1998, 9, 361-367.	4.3	39
31	Are old Mediterranean grasslands resilient to human disturbances?. <i>Acta Oecologica</i> , 2012, 43, 86-94.	1.1	38
32	Can ecological engineering restore Mediterranean rangeland after intensive cultivation? A large-scale experiment in southern France. <i>Ecological Engineering</i> , 2014, 64, 202-212.	3.6	38
33	Plant Functional Traits Show Non-Linear Response to Grazing. <i>Folia Geobotanica</i> , 2010, 45, 239-252.	0.9	37
34	Colonisation by native species of abandoned farmland adjacent to a remnant patch of Mediterranean steppe. <i>Plant Ecology</i> , 2004, 174, 371-384.	1.6	36
35	Hay Transfer Promotes Establishment of Mediterranean Steppe Vegetation on Soil Disturbed by Pipeline Construction. <i>Restoration Ecology</i> , 2011, 19, 214-222.	2.9	35
36	Vegetation development on different extensive green roof types in a Mediterranean and temperate maritime climate. <i>Ecological Engineering</i> , 2015, 82, 571-582.	3.6	34

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37	Bridging Human and Natural Sciences for a Better Understanding of Urban Floral Patterns: the Role of Planting Practices in Mediterranean Gardens. <i>Ecology and Society</i> , 2010, 15, .	2.3	32
38	Maximizing habitat connectivity in the mitigation hierarchy. A case study on three terrestrial mammals in an urban environment. <i>Journal of Environmental Management</i> , 2019, 243, 340-349.	7.8	31
39	Reintroduction of <i>Nassella pulchrata</i> California coastal grasslands: Effects of topsoil removal, plant neighbour removal and grazing. <i>Applied Vegetation Science</i> , 2008, 11, 195-204.	1.9	30
40	Ecological restoration by soil transfer: impacts on restored soil profiles and topsoil functions. <i>Restoration Ecology</i> , 2017, 25, 354-366.	2.9	30
41	Harvester ants as ecological engineers for Mediterranean grassland restoration: Impacts on soil and vegetation. <i>Biological Conservation</i> , 2020, 245, 108547.	4.1	30
42	Land use history and botanical changes in the calcareous hillsides of Upper-Normandy (north-western France): new implications for their conservation management. <i>Biological Conservation</i> , 2004, 115, 1-19.	4.1	29
43	Respective influence of habitat conditions and management regimes on prealpine calcareous grasslands. <i>Journal of Environmental Management</i> , 2004, 72, 261-275.	7.8	27
44	Topsoil removal improves various restoration treatments of a Mediterranean steppe (La Crau, southeast France). <i>Applied Vegetation Science</i> , 2014, 17, 236-245.	1.9	26
45	A comparison of different soil transfer strategies for restoring a Mediterranean steppe after a pipeline leak (La Crau plain, South-Eastern France). <i>Ecological Engineering</i> , 2014, 71, 690-702.	3.6	25
46	Vegetation and soil seed bank in a 23-year grazing exclusion chronosequence in a Mediterranean dry grassland. <i>Plant Biosystems</i> , 2018, 152, 1020-1030.	1.6	25
47	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
48	Recovery of Mediterranean steppe vegetation after cultivation: Legacy effects on plant composition, soil properties and functional traits. <i>Applied Vegetation Science</i> , 2019, 22, 71-84.	1.9	24
49	Pooling biodiversity offsets to improve habitat connectivity and species conservation. <i>Journal of Environmental Management</i> , 2021, 277, 111425.	7.8	23
50	Using a two-phase sowing approach in restoration: sowing foundation species to restore, and subordinate species to evaluate restoration success. <i>Applied Vegetation Science</i> , 2012, 15, 277-289.	1.9	22
51	Long-term effects of topsoil transfer assessed thirty years after rehabilitation of dry alluvial quarries in Southeastern France. <i>Ecological Engineering</i> , 2017, 99, 1-12.	3.6	22
52	Key issues in Northwestern Mediterranean dry grassland restoration. <i>Restoration Ecology</i> , 2021, 29, e13258.	2.9	22
53	First-year results of a multi-treatment steppe restoration experiment in La Crau (Provence, France). <i>Plant Ecology and Evolution</i> , 2012, 145, 13-23.	0.7	21
54	Vegetation, soils and seed banks of limestone grasslands are still impacted by former cultivation one century after abandonment. <i>Community Ecology</i> , 2012, 13, 194-202.	0.9	21

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55	Using stone cover patches and grazing exclusion to restore ground-active beetle communities in a degraded pseudo-steppe. <i>Journal of Insect Conservation</i> , 2011, 15, 561-572.	1.4	20
56	Conceptual and methodological issues in estimating the success of ecological restoration. <i>Ecological Indicators</i> , 2021, 123, 107362.	6.3	20
57	Consequences of the cessation of 3000 years of grazing on dry Mediterranean grassland ground-active beetle assemblages. <i>Comptes Rendus - Biologies</i> , 2008, 331, 532-546.	0.2	19
58	Substrate Composition and Depth Affect Soil Moisture Behavior and Plant-Soil Relationship on Mediterranean Extensive Green Roofs. <i>Water (Switzerland)</i> , 2017, 9, 817.	2.7	19
59	Species transfer via topsoil translocation: lessons from two large Mediterranean restoration projects. <i>Restoration Ecology</i> , 2018, 26, S179.	2.9	19
60	Fire increases the reproduction of the dominant grass <i>Brachypodium retusum</i> and Mediterranean steppe diversity in a combined burning and grazing experiment. <i>Applied Vegetation Science</i> , 2019, 22, 127-137.	1.9	19
61	Orthoptera prove good indicators of grassland rehabilitation success in the first French Natural Asset Reserve. <i>Journal for Nature Conservation</i> , 2018, 44, 1-11.	1.8	18
62	Short-Term Effects on Diversity and Biomass on Grasslands from Artificial Dykes under Grazing and Mowing Treatments. <i>Environmental Conservation</i> , 2019, 46, 132-139.	1.3	18
63	Dynamique de la biodiversité dans un espace en mutation. Le cas des pelouses calcicoles de la basse vallée de Seine. <i>Acta Oecologica</i> , 1998, 19, 275-284.	1.1	16
64	Limiting processes for perennial plant reintroduction to restore dry grasslands. <i>Restoration Ecology</i> , 2015, 23, 947-954.	2.9	16
65	Agroecological engineering. <i>Agronomy for Sustainable Development</i> , 2015, 35, 1191-1198.	5.3	16
66	Above- and below-ground effects of an ecosystem engineer ant in Mediterranean dry grasslands. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201840.	2.6	16
67	Dynamique d'une communauté d'adventices dans un champ de céréales après le labour d'une prairie semi-naturelle : rôles de la banque de graines permanente. <i>Ecoscience</i> , 2003, 10, 225-235.	1.4	15
68	Fostering the use of soil invertebrate traits to restore ecosystem functioning. <i>Geoderma</i> , 2022, 424, 116019.	5.1	15
69	Spatial distribution of an arthropod community in a pear orchard (southern France). <i>Agriculture, Ecosystems and Environment</i> , 2008, 127, 166-176.	5.3	14
70	Impact of quarry exploitation and disuse on pedogenesis. <i>Catena</i> , 2018, 160, 354-365.	5.0	14
71	Field boundary effects on soil seed banks and weed vegetation distribution in an arable field without weed control (Vaucluse, France). <i>Agronomy for Sustainable Development</i> , 1999, 19, 579-590.	0.8	14
72	Rponses fonctionnelles des communautés de pelouses calcicoles aux facteurs agroécologiques dans les Préalpes françaises. <i>Canadian Journal of Botany</i> , 2000, 78, 1010-1020.	1.1	13

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73	A comparative review of soil charcoal data: Spatiotemporal patterns of origin and long-term dynamics of Western European nutrient-poor grasslands. <i>Holocene</i> , 2018, 28, 1313-1324.	1.7	12
74	Using Different Grazing Practices for Increasing Plant Biodiversity in the Dykes and Embankments Along the Rhône River (Southern France). <i>Environmental Management</i> , 2016, 58, 984-997.	2.7	11
75	Using Shrub Clearing, Draining, and Herbivory to Control Bramble Invasion in Mediterranean Dry Grasslands. <i>Environmental Management</i> , 2015, 56, 933-945.	2.7	10
76	Ecosystem services in conventional farming systems. A review. <i>Agronomy for Sustainable Development</i> , 2022, 42, 1.	5.3	10
77	Past cultivation is a factor driving organization of dry grassland ground-active beetle communities. <i>Environmental Conservation</i> , 2007, 34, 132-139.	1.3	9
78	Responses of five woody species to burial by marly sediment: the role of biomass allocation pattern flexibility. <i>Journal of Plant Ecology</i> , 2012, 5, 287-293.	2.3	9
79	Effects of ecological restoration on Orthoptera assemblages in a Mediterranean steppe rangeland. <i>Journal of Insect Conservation</i> , 2014, 18, 1073-1085.	1.4	9
80	Adaptive differentiation among populations of the Mediterranean dry grassland species <i>Brachypodium retusum</i> : The role of soil conditions, grazing, and humidity. <i>American Journal of Botany</i> , 2018, 105, 1123-1132.	1.7	9
81	Extensive horse grazing improves grassland vegetation diversity, seed bank and forage quality of artificial embankments (Rhône River - southern France). <i>Journal for Nature Conservation</i> , 2020, 56, 125865.	1.8	9
82	Romans Shape Today's Vegetation and Soils: Two Millennia of Land-Use Legacy Dynamics in Mediterranean Grasslands. <i>Ecosystems</i> , 2021, 24, 1268-1280.	3.4	9
83	Rabbits are more effective than cattle for limiting shrub colonization in Mediterranean xero-halophytic meadows. <i>Ecoscience</i> , 2011, 18, 37-41.	1.4	7
84	Biodiversité actuelle et potentielle des écosystèmes prairiaux calcicoles: influence de la gestion sur les phytocénoses et les banques de graines. <i>Acta Botanica Gallica</i> , 1996, 143, 431-440.	0.9	6
85	Successional changes and diversity of soil macrofaunal communities on chalk grasslands in Upper-Normandy (France). <i>Acta Oecologica</i> , 1997, 18, 135-149.	1.1	6
86	Réponses fonctionnelles des communautés de pelouses calcicoles aux facteurs agro-écologiques dans les Préalpes françaises. <i>Canadian Journal of Botany</i> , 2000, 78, 1010-1020.	1.1	6
87	Conservation of grassland patches failed to enhance colonization of ground-active beetles on formerly cultivated plots. <i>Environmental Conservation</i> , 2008, 35, 109-116.	1.3	6
88	Effects of ecological restoration on beetle assemblages: results from a large-scale experiment in a Mediterranean steppe rangeland. <i>Biodiversity and Conservation</i> , 2018, 27, 2155-2172.	2.6	6
89	Factors limiting early establishment of the Mediterranean grassland species <i>Brachypodium retusum</i> at disturbed sites. <i>Basic and Applied Ecology</i> , 2019, 37, 10-19.	2.7	6
90	Teneurs en minéraux des fourrages de chaume et de leurs adventices : l'exemple d'une exploitation agricole du sud-est de la France (Vaucluse). <i>Animal Research</i> , 2001, 50, 495-505.	0.6	5

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91	Dossier : La fabrique de la compensation écologique : controverses et pratiques " Une définition opérationnelle de la nature ordinaire adaptée à la compensation écologique. Le cas contrasté des régions Centre, Champagne-Ardenne et Paca. Natures Sciences Societes, 2018, 26, 170-188.	0.4	5
92	Transférer le sol pour restaurer des communautés végétales: quelles leçons pour mesurer la résilience des pelouses sèches ? (Plaine de La Crau, Sud-Est de la France).. Acta Botanica Gallica, 2014, 161, 287-300.	0.9	4
93	Impacts of water stress removal and disturbance regimes on Mediterranean dry grasslands diversity and succession. Plant Ecology, 2015, 216, 1351-1369.	1.6	4
94	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.	0.9	4
95	Grazing intensity gradient inherited from traditional herding still explains Mediterranean grassland characteristics despite current land-use changes. Agriculture, Ecosystems and Environment, 2022, 338, 108085.	5.3	4
96	Photoperiod buffers responses to salt and temperature during germination of two coastal salt marsh colonizers <i>Juncus acutus</i> and <i>Juncus maritimus</i> . Plant Biosystems, 2016, 150, 1156-1164.	1.6	3
97	Plant traits and population characteristics predict extinctions in a long-term survey of Mediterranean annual plants. Biodiversity and Conservation, 2018, 27, 2527-2540.	2.6	3
98	Using mechanical clearing and goat grazing for restoring understory plant diversity of embankments in the Rhône valley (Southern France). Plant Biosystems, 2020, 154, 746-756.	1.6	3
99	Comparison of neutral and adaptive differentiation in the Mediterranean grass <i>Brachypodium retusum</i> . Botanical Journal of the Linnean Society, 2020, 192, 536-549.	1.6	3
100	Grazing and the vanishing complexity of plant association networks in grasslands. Oikos, 2021, 130, 541-552.	2.7	3
101	Using various artificial soil mixtures to restore dry grasslands in quarries. Restoration Ecology, 2022, 30, .	2.9	2
102	Impacts de différents régimes de perturbations et niveaux de ressource hydrique pour contrôler une espèce proliférante dans un écosystème pseudo-steppique: le cas de <i>Rubus ulmifolius</i> Schott. dans la plaine de la Crau (Bouches-du-Rhône, France). Acta Botanica Gallica, 2014, 161, 261-275.	0.9	1
103	Dossier : La fabrique de la compensation écologique : controverses et pratiques " Regards d'écologues sur le premier site naturel de compensation français. Natures Sciences Societes, 2018, 26, 215-222.	0.4	1
104	L'écopastoralisme comme outil de gestion des digues artificielles: le cas de la réserve de chasse et de faune sauvage de Donzère-Mondragon. Sciences Eaux & Territoires, 2021, Numéro hors-série, 1c-7.	0.0	1
105	Grazing in temporary paddocks with hardy breed horses ( <i>Konik polski</i> ) improved species-rich grasslands restoration in artificial embankments of the Rhône river (Southern France). Global Ecology and Conservation, 2021, 31, e01874.	2.1	1
106	Hay transfer and sowing structuring species: Two complementary ecological engineering techniques to restore dry grassland communities. Procedia Environmental Sciences, 2011, 9, 33-39.	1.4	0
107	River ecological restoration across frontiers. Knowledge and Management of Aquatic Ecosystems, 2011, , 19.	1.1	0
108	Environmental drivers of plant diversity of chalk grasslands in north-western France. , 0, , .		0

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109	Améliorer la prise en compte des fonctionnalités écologiques dans la séquence Éviter-Réduire-Compenser. Sciences Eaux & Territoires, 2021, Numéro hors-série, 1a-8.	0.0	0
110	2008-2019, plus d'une décennie d'écobats et de débats autour de la restauration écologique en France. Naturae, 2021, , .	0.1	0
111	Quels facteurs limitent l'installation d'une graminée perenne dominante pour la restauration écologique des pelouses sèches méditerranéennes? Naturae, 2021, , .	0.1	0
112	Hydroseeding for Restoring Degraded Semi-Arid Mediterranean Environments: A Review of Challenges.. Lebanese Science Journal, 2020, 22, 38-67.	0.0	0