Catherine Collet

List of Publications by Year
in descending order

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46 papers	1,586 citations	279798 23 h-index	315739 38 g-index
46 all docs	46 docs citations	46 times ranked	2111 citing authors

#	Article	IF	Citations
1	Beech and hornbeam dominate oak 20Âyears after the creation of storm-induced gaps. Forest Ecology and Management, 2022, 503, 119758.	3.2	3
2	Examination of aboveground attributes to predict belowground biomass of young trees. Forest Ecology and Management, 2022, 505, 119942.	3.2	12
3	The distribution of carbon stocks between tree woody biomass and soil differs between Scots pine and broadleaved species (beech, oak) in European forests. European Journal of Forest Research, 2022, 141, 467-480.	2.5	5
4	Effects of different site preparation methods on the root development of planted Quercus petraea and Pinus nigra. New Forests, 2021, 52, 17-30.	1.7	4
5	Mixing increases drought exposure through a faster growth in beech, but not in oak. Forest Ecology and Management, 2021, 479, 118593.	3.2	4
6	Mixing has limited impacts on the foliar nutrition of European beech and Scots pine trees across Europe. Forest Ecology and Management, 2021, 479, 118551.	3.2	4
7	Tree species identity drives soil organic carbon storage more than species mixing in major two-species mixtures (pine, oak, beech) in Europe. Forest Ecology and Management, 2021, 481, 118752.	3.2	20
8	Cultivation profile: a visual evaluation method of soil structure adapted to the analysis of the impacts of mechanical site preparation in forest plantations. European Journal of Forest Research, 2021, 140, 65-76.	2.5	5
9	Canopy openness and exclusion of wild ungulates act synergistically to improve oak natural regeneration. Forest Ecology and Management, 2021, 487, 118976.	3.2	17
10	Do trait responses to simulated browsing in Quercus robur saplings affect their attractiveness to Capreolus capreolus the following year?. Environmental and Experimental Botany, 2021, , 104743.	4.2	2
11	Windstormâ€induced canopy openings accelerate temperate forest adaptation to global warming. Global Ecology and Biogeography, 2020, 29, 2067-2077.	5.8	28
12	Lack of effect of admixture proportion and tree density on water acquisition depth for European beech (Fagus sylvatica L.) and sycamore maple (Acer pseudoplatanus L.). Annals of Forest Science, 2020, 77, 1.	2.0	5
13	How does oak mast seeding affect the feeding behavior of sympatric red and roe deer?. Basic and Applied Ecology, 2020, 47, 83-94.	2.7	10
14	Annotation data about multi criteria assessment methods used in the agri-food research: The french national institute for agricultural research (INRA) experience. Data in Brief, 2019, 25, 104204.	1.0	2
15	Biomechanical control of beech pole verticality (Fagus sylvatica) before and after thinning: theoretical modelling and groundâ€truth data using terrestrial Li<scp>DAR</scp>. American Journal of Botany, 2019, 106, 187-198.	1.7	4
16	When do dendrometric rules fail? Insights from 20â€¯years of experimental thinnings on sessile oak in the GIS Coop network. Forest Ecology and Management, 2019, 433, 276-286.	3.2	9
17	Time shifts in height and diameter growth allocation in understory European beech (Fagus sylvatica) Tj ETQq1 1 0.784314 rgBT /Over	1.9	9
18	Knowledge gaps about mixed forests: What do European forest managers want to know and what answers can science provide?. Forest Ecology and Management, 2018, 407, 106-115.	3.2	90

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19	Aboveground overyielding in a mixed temperate forest is not explained by belowground processes. Oecologia, 2018, 188, 1183-1193.	2.0	5
20	Coexistence, association and competitive ability of Quercus petraea and Quercus robur seedlings in naturally regenerated mixed stands. Forest Ecology and Management, 2017, 390, 36-46.	3.2	15
21	Tree size and local neighbourhood affect foliar nutrient content in a mixed plantation of beech (Fagus sylvatica) and maple (Acer pseudoplatanus). Forest Ecology and Management, 2017, 400, 159-172.	3.2	4
22	Terrestrial laser scanning reveals differences in crown structure of Fagus sylvatica in mixed vs. pure European forests. Forest Ecology and Management, 2017, 405, 381-390.	3.2	80
23	Radial growth resilience of sessile oak after drought is affected by site water status, stand density, and social status. Trees - Structure and Function, 2017, 31, 517-529.	1.9	44
24	Species-specific and generic biomass equations for seedlings and saplings of European tree species. European Journal of Forest Research, 2016, 135, 313-329.	2.5	67
25	Manipulating seed availability, plant competition and litter accumulation by soil preparation and canopy opening to ensure regeneration success in temperate low-mountain forest stands. European Journal of Forest Research, 2015, 134, 247-259.	2.5	6
26	Crown responses to neighbor density and species identity in a young mixed deciduous stand. Trees - Structure and Function, 2014, 28, 1751-1765.	1.9	39
27	Estimating light climate in forest with the convex densiometer: operator effect, geometry and relation to diffuse light. European Journal of Forest Research, 2014, 133, 101-110.	2.5	29
28	Response of tree growth and species coexistence to density and species evenness in a young forest plantation with two competing species. Annals of Botany, 2014, 113, 711-719.	2.9	22
29	Growth partitioning in forest stands is affected by stand density and summer drought in sessile oak and Douglas-fir. Forest Ecology and Management, 2014, 334, 358-368.	3.2	32
30	Can species distribution models be used to describe plant abundance patterns?. Ecography, 2013, 36, 665-674.	4.5	46
31	Light and competition gradients fail to explain the coexistence of shade-tolerant Fagus sylvatica and shade-intermediate Quercus petraea seedlings. Annals of Botany, 2013, 112, 1421-1430.	2.9	25
32	When should exotic forest plantation tree species be considered as an invasive threat and how should we treat them?. Biological Invasions, 2012, 14, 1765-1778.	2.4	88
33	Abundance response of western European forest species along canopy openness and soil pH gradients. Forest Ecology and Management, 2011, 262, 1483-1490.	3.2	23
34	Growth and posture control strategies in Fagus sylvatica and Acer pseudoplatanus saplings in response to canopy disturbance. Annals of Botany, 2011, 107, 1345-1353.	2.9	36
35	Response to canopy opening does not act as a filter to Fagus sylvatica and Acer sp. advance regeneration in a mixed temperate forest. Annals of Forest Science, 2010, 67, 105-105.	2.0	38
36	Beech regeneration research: From ecological to silvicultural aspects. Forest Ecology and Management, 2010, 259, 2172-2182.	3.2	171

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37	Gap partitioning among temperate tree species across a regional soil gradient in windstorm-disturbed forests. Forest Ecology and Management, 2010, 260, 146-154.	3.2	43
38	Root System Development of Oak Seedlings Analysed using an Architectural Model. Effects of Competition with Grass. Plant and Soil, 2006, 279, 367-383.	3.7	46
39	Reconstructing crown shape from stem diameter and tree position to supply light models. I. Algorithms and comparison of light simulations. Annals of Forest Science, 2005, 62, 645-657.	2.0	30
40	Root Typ: a generic model to depict and analyse the root system architecture. Plant and Soil, 2004, 258, 103-119.	3.7	191
41	Effects of canopy opening on the morphology and anatomy of naturally regenerated beech seedlings. Trees - Structure and Function, 2002, 16, 291-298.	1.9	37
42	Effects of canopy opening on height and diameter growth in naturally regenerated beech seedlings. Annals of Forest Science, 2001, 58, 127-134.	2.0	122
43	Modifying the microclimate around young oaks through vegetation manipulation: Effects on seedling growth and branching. Forest Ecology and Management, 1998, 110, 249-262.	3.2	25
44	Effects of interspecific competition on periodic shoot elongation in oak seedlings. Canadian Journal of Forest Research, 1996, 26, 1934-1942.	1.7	31
45	Growth dynamics and water uptake of two forest grasses differing in their growth strategy and potentially competing with forest seedlings. Canadian Journal of Botany, 1996, 74, 1555-1561.	1.1	13
46	Effect of two forest grasses differing in their growth dynamics on the water relations and the growth of Quercus petraea seedlings. Canadian Journal of Botany, 1996, 74, 1562-1571.	1.1	45