

# Jordi Vayreda

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

3,074  
citations

186209

28  
h-index

289141

40  
g-index

43  
all docs

43  
docs citations

43  
times ranked

4685  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal changes in Mediterranean forest ecosystem services are driven by stand development, rather than by climate-related disturbances. <i>Forest Ecology and Management</i> , 2021, 480, 118623.	1.4	29
2	Characterizing forest vulnerability and risk to climate change hazards. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 126-133.	1.9	45
3	Low forest productivity associated with increasing drought-tolerant species is compensated by an increase in drought-tolerance richness. <i>Global Change Biology</i> , 2021, 27, 2113-2127.	4.2	24
4	A Battery of Soil and Plant Indicators of NBS Environmental Performance in the Context of Global Change. <i>Sustainability</i> , 2021, 13, 1913.	1.6	3
5	Predicting the potential distribution and forest impact of the invasive species <i>Cydalima perspectalis</i> in Europe. <i>Ecology and Evolution</i> , 2021, 11, 5713-5727.	0.8	13
6	Assessing the Risk of Losing Forest Ecosystem Services Due to Wildfires. <i>Ecosystems</i> , 2021, 24, 1687-1701.	1.6	14
7	Spatial and temporal variations of overstory and understory fuels in Mediterranean landscapes. <i>Forest Ecology and Management</i> , 2021, 490, 119094.	1.4	6
8	Recent dynamics of pine and oak forests in Mexico. <i>European Journal of Forest Research</i> , 2020, 139, 179-187.	1.1	2
9	Are protected areas preserving ecosystem services and biodiversity? Insights from Mediterranean forests and shrublands. <i>Landscape Ecology</i> , 2019, 34, 2307-2321.	1.9	31
10	Agricultural soil organic carbon stocks in the north-eastern Iberian Peninsula: Drivers and spatial variability. <i>Science of the Total Environment</i> , 2019, 668, 283-294.	3.9	40
11	A quantitative assessment of mid-term risks of global change on forests in Western Mediterranean Europe. <i>Regional Environmental Change</i> , 2019, 19, 819-831.	1.4	5
12	Forest diversity plays a key role in determining the stand carbon stocks of Mexican forests. <i>Forest Ecology and Management</i> , 2018, 415-416, 160-171.	1.4	34
13	Species-specific, pan-European diameter increment models based on data of 2.3 million trees. <i>Forest Ecosystems</i> , 2018, 5, .	1.3	27
14	The spatial level of analysis affects the patterns of forest ecosystem services supply and their relationships. <i>Science of the Total Environment</i> , 2018, 626, 1270-1283.	3.9	61
15	Climate Change Could Negate Positive Tree Diversity Effects on Forest Productivity: A Study Across Five Climate Types in Spain and Canada. <i>Ecosystems</i> , 2018, 21, 960-970.	1.6	43
16	Actual European forest management by region, tree species and owner based on 714,000 re-measured trees in national forest inventories. <i>PLoS ONE</i> , 2018, 13, e0207151.	1.1	39
17	Calibrating the Severity of Forest Defoliation by Pine Processionary Moth with Landsat and UAV Imagery. <i>Sensors</i> , 2018, 18, 3278.	2.1	30
18	Assessing the distribution of forest ecosystem services in a highly populated Mediterranean region. <i>Ecological Indicators</i> , 2018, 93, 986-997.	2.6	41

#	ARTICLE	IF	CITATIONS
19	“New Forests” from the Twentieth Century are a Relevant Contribution for C Storage in the Iberian Peninsula. <i>Ecosystems</i> , 2017, 20, 130-143.	1.6	39
20	Climate influences on the maximum size-density relationship in Scots pine ( <i>Pinus sylvestris</i> L.) and European beech ( <i>Fagus sylvatica</i> L.) stands. <i>Forest Ecology and Management</i> , 2017, 385, 295-307.	1.4	59
21	The Role of Climatic Anomalies and Soil Moisture in the Decline of Drought-Prone Forests. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 503-514.	2.3	21
22	Anthropogenic-driven rapid shifts in tree distribution lead to increased dominance of broadleaf species. <i>Global Change Biology</i> , 2016, 22, 3984-3995.	4.2	51
23	Positive biodiversity-productivity relationship predominant in global forests. <i>Science</i> , 2016, 354, .	6.0	864
24	Self-thinning in four pine species: an evaluation of potential climate impacts. <i>Annals of Forest Science</i> , 2016, 73, 1025-1034.	0.8	29
25	The Ecological Forest Inventory of Catalonia: a tool for functional ecology. , 2016, 25, 70-79.		1
26	SMOS and climate data applicability for analyzing forest decline and forest fires. , 2014, , .		5
27	Large-scale recruitment limitation in Mediterranean pines: the role of <i>Quercus ilex</i> and forest successional advance as key regional drivers. <i>Global Ecology and Biogeography</i> , 2014, 23, 371-384.	2.7	86
28	Patterns and drivers of regeneration of tree species in forests of peninsular Spain. <i>Journal of Biogeography</i> , 2013, 40, 1252-1265.	1.4	44
29	Disentangling Biodiversity and Climatic Determinants of Wood Production. <i>PLoS ONE</i> , 2013, 8, e53530.	1.1	202
30	Stoichiometry of potassium is largely determined by water availability and growth in Catalanian forests. <i>Functional Ecology</i> , 2012, 26, 1077-1089.	1.7	68
31	Spatial Patterns and Predictors of Forest Carbon Stocks in Western Mediterranean. <i>Ecosystems</i> , 2012, 15, 1258-1270.	1.6	35
32	Patterns of fuel types and crown fire potential in <i>Pinus halepensis</i> forests in the Western Mediterranean Basin. <i>Forest Ecology and Management</i> , 2012, 270, 282-290.	1.4	33
33	Recent climate changes interact with stand structure and management to determine changes in tree carbon stocks in Spanish forests. <i>Global Change Biology</i> , 2012, 18, 1028-1041.	4.2	123
34	Structural and climatic determinants of demographic rates of Scots pine forests across the Iberian Peninsula. , 2011, 21, 1162-1172.		101
35	Loss of water availability and stream biodiversity under land abandonment and climate change in a Mediterranean catchment (Olzinelles, NE Spain). <i>Land Use Policy</i> , 2011, 28, 207-218.	2.5	51
36	Interspecific variation in functional traits, not climatic differences among species ranges, determines demographic rates across 44 temperate and Mediterranean tree species. <i>Journal of Ecology</i> , 2010, 98, 1462-1475.	1.9	92

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37	Determinants of woody species richness in Scot pine and beech forests: climate, forest patch size and forest structure. <i>Acta Oecologica</i> , 2007, 31, 325-331.	0.5	15
38	Species richness and wood production: a positive association in Mediterranean forests. <i>Ecology Letters</i> , 2007, 10, 241-250.	3.0	261
39	Fire regenerative syndromes of forest woody species across fire and climatic gradients. <i>Oecologia</i> , 2005, 146, 461-468.	0.9	76
40	Biodiversity correlates with regional patterns of forest litter pools. <i>Oecologia</i> , 2004, 139, 641-646.	0.9	35
41	Does tree diversity increase wood production in pine forests?. <i>Oecologia</i> , 2003, 135, 299-303.	0.9	115
42	Large-scale environmental correlates of forest tree distributions in Catalonia (NE Spain). <i>Global Ecology and Biogeography</i> , 2003, 12, 313-325.	2.7	127
43	Determinants of distribution of six <i>Pinus</i> species in Catalonia, Spain. <i>Journal of Vegetation Science</i> , 2001, 12, 491-502.	1.1	54