Miren del Rio

List of Publications by Year
in descending order

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Version: 2024-02-01

121 papers	5,431 citations	61945 43 h-index	98753 67 g-index
124 all docs	124 docs citations	124 times ranked	3897 citing authors

#	Article	IF	Citations
1	Temperature effect on size distributions in spruce-fir-beech mixed stands across Europe. Forest Ecology and Management, 2022, 504, 119819.	1.4	6
2	Correction: Soil erodibility in European mountain beech forests. Canadian Journal of Forest Research, 2022, 52, 135-135.	0.8	0
3	Mapping forest site quality at national level. Forest Ecology and Management, 2022, 508, 120043.	1.4	8
4	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.	1.1	5
5	Tracing drought effects from the tree to the stand growth in temperate and Mediterranean forests: insights and consequences for forest ecology and management. European Journal of Forest Research, 2022, 141, 727-751.	1.1	15
6	Species-specific and generalized biomass models for estimating carbon stocks of young reforestations. Biomass and Bioenergy, 2022, 161, 106453.	2.9	7
7	Regional climate moderately influences species-mixing effect on tree growth-climate relationships and drought resistance for beech and pine across Europe. Forest Ecology and Management, 2022, 520, 120317.	1.4	4
8	With increasing site quality asymmetric competition and mortality reduces Scots pine (Pinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.4	11
9	Species stratification and weather conditions drive tree growth in Scots pine and Norway spruce mixed stands along Europe. Forest Ecology and Management, 2021, 481, 118697.	1.4	15
10	European beech stem diameter grows better in mixed than in mono-specific stands at the edge of its distribution in mountain forests. European Journal of Forest Research, 2021, 140, 127-145.	1.1	23
11	Effects of elevation-dependent climate warming on intra- and inter-specific growth synchrony in mixed mountain forests. Forest Ecology and Management, 2021, 479, 118587.	1.4	15
12	Differences in stem radial variation between Pinus pinaster Ait. and Quercus pyrenaica Willd. may release inter-specific competition. Forest Ecology and Management, 2021, 481, 118779.	1.4	12
13	Mixture mitigates the effect of climate change on the provision of relevant ecosystem services in managed Pinus pinea L. forests. Forest Ecology and Management, 2021, 481, 118782.	1.4	6
14	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.	1.4	20
15	Mixing effects on Scots pine (Pinus sylvestris L.) and Norway spruce (Picea abies (L.) Karst.) productivity along a climatic gradient across Europe. Forest Ecology and Management, 2021, 482, 118834.	1.4	23
16	The greater resilience of mixed forests to drought mainly depends on their composition: Analysis along a climate gradient across Europe. Forest Ecology and Management, 2021, 481, 118687.	1.4	104
17	Improving tree biomass models through crown ratio patterns and incomplete data sources. European Journal of Forest Research, 2021, 140, 675-689.	1.1	8
18	Simulating the effects of thinning and species mixing on stands of oak (Quercus petraea (Matt.)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 109406.	1.2	6

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19	Stand-level biomass models for predicting C stock for the main Spanish pine species. Forest Ecosystems, 2021, 8, .	1.3	7
20	Soil erodibility in European mountain beech forests. Canadian Journal of Forest Research, 2021, 51, 1846-1855.	0.8	4
21	Short- and long-term growth response to climate in mixed and monospecific forests of Pinus pinea and Pinus pinaster. European Journal of Forest Research, 2021, 140, 387-402.	1.1	9
22	Stand growth and structure of mixed-species and monospecific stands of Scots pine (Pinus sylvestris) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Europe. European Journal of Forest Research, 2020, 139, 349-367.	1.1	59
23	Density regulation of mixed and mono-specific forest stands as a continuum: a new concept based on species-specific coefficients for density equivalence and density modification. Forestry, 2020, 93, 1-15.	1.2	19
24	Importance of tree species size dominance and heterogeneity on the productivity of spruce-fir-beech mountain forest stands in Europe. Forest Ecology and Management, 2020, 457, 117716.	1.4	31
25	What is Climate-Smart Forestry? A definition from a multinational collaborative process focused on mountain regions of Europe. Ecosystem Services, 2020, 43, 101113.	2.3	100
26	Implications of Reduced Stand Density on Tree Growth and Drought Susceptibility: A Study of Three Species under Varying Climate. Forests, 2020, 11, 627.	0.9	27
27	Crown plasticity of five pine species in response to competition along an aridity gradient. Forest Ecology and Management, 2020, 473, 118302.	1.4	14
28	Evidence of elevation-specific growth changes of spruce, fir, and beech in European mixed mountain forests during the last three centuries. Canadian Journal of Forest Research, 2020, 50, 689-703.	0.8	35
29	Species mixing reduces drought susceptibility of Scots pine (Pinus sylvestris L.) and oak (Quercus) Tj ETQq1 1 0.784314 rgBT /Overlock Forest Ecology and Management, 2020, 461, 117908.	1.4	65
30	Entresaca por bosquetes pequeÃ±os y corta a hecho en dos tiempos sobre repoblaciones de Pinus pinaster Ait.. Cuadernos De La Sociedad EspaÃ±ola De Ciencias Forestales, 2020, 45, 59-76.	0.1	0
31	PatrÃ³n de la regeneraciÃ³n tras cortas a hecho en dos tiempos sobre masas de repoblaciÃ³n de Pinus pinaster Ait. con presencia variable de frondosas (Sierra Madrona). Cuadernos De La Sociedad EspaÃ±ola De Ciencias Forestales, 2020, 46, 197-210.	0.1	0
32	Tree diversity reduces pine infestation by mistletoe. Forest Ecology and Management, 2019, 449, 117470.	1.4	13
33	The productivity of mixed mountain forests comprised of Fagus sylvatica, Picea abies, and Abies alba across Europe. Forestry, 2019, 92, 512-522.	1.2	46
34	Productivity Estimations for Monospecific and Mixed Pine Forests along the Iberian Peninsula Aridity Gradient. Forests, 2019, 10, 430.	0.9	20
35	Climate-mediated regeneration occurrence in Mediterranean pine forests: A modeling approach. Forest Ecology and Management, 2019, 446, 10-19.	1.4	15
36	Species Mixing Effects on Heightâ€“Diameter and Basal Area Increment Models for Scots Pine and Maritime Pine. Forests, 2019, 10, 249.	0.9	25

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37	Maintenance of long-term experiments for unique insights into forest growth dynamics and trends: review and perspectives. European Journal of Forest Research, 2019, 138, 165-185.	1.1	68
38	Spatio-temporal variation of natural regeneration in Pinus pinea and Pinus pinaster Mediterranean forests in Spain. European Journal of Forest Research, 2019, 138, 313-326.	1.1	21
39	Tree allometry variation in response to intra- and inter-specific competitions. Trees - Structure and Function, 2019, 33, 121-138.	0.9	59
40	Modelling approaches for mixed forests dynamics prognosis. Research gaps and opportunities. Forest Systems, 2019, 28, eR002.	0.1	29
41	Species-specific weather response in the daily stem variation cycles of Mediterranean pine-oak mixed stands. Agricultural and Forest Meteorology, 2018, 256-257, 220-230.	1.9	20
42	Intra- and inter-specific variation of the maximum size-density relationship along an aridity gradient in Iberian pinewoods. Forest Ecology and Management, 2018, 411, 90-100.	1.4	37
43	Mixed short rotation plantations of Populus alba and Robinia pseudoacacia for biomass yield. Forest Ecology and Management, 2018, 410, 48-55.	1.4	20
44	Resin-tapped pine forests in Spain: Ecological diversity and economic valuation. Science of the Total Environment, 2018, 625, 1146-1155.	3.9	44
45	Species and soil effects on overyielding of tree species mixtures in the Netherlands. Forest Ecology and Management, 2018, 409, 105-118.	1.4	23
46	Long-term impacts of drought on growth and forest dynamics in a temperate beech-oak-birch forest. Agricultural and Forest Meteorology, 2018, 259, 48-59.	1.9	32
47	Maximum stand density strongly depends on species-specific wood stability, shade and drought tolerance. Forestry, 2018, 91, 459-469.	1.2	24
48	Effects of crown architecture and stand structure on light absorption in mixed and monospecific Fagus sylvatica and Pinus sylvestris forests along a productivity and climate gradient through Europe. Journal of Ecology, 2018, 106, 746-760.	1.9	125
49	Species Mixing Effects on Forest Productivity: A Case Study at Stand-, Species- and Tree-Level in the Netherlands. Forests, 2018, 9, 713.	0.9	13
50	Characterization of Mixed Forests. Managing Forest Ecosystems, 2018, , 27-71.	0.4	12
51	Estimation and Uncertainty of the Mixing Effects on Scots Pineâ€"European Beech Productivity from National Forest Inventories Data. Forests, 2018, 9, 518.	0.9	15
52	Drought modifies tree competitiveness in an oak-beech temperate forest. Forest Ecology and Management, 2018, 429, 7-17.	1.4	35
53	The symmetry of competitive interactions in mixed Norway spruce, silver fir and European beech forests. Journal of Vegetation Science, 2018, 29, 775-787.	1.1	39
54	Mixed Forestsâ€™ Future. Managing Forest Ecosystems, 2018, , 397-412.	0.4	2

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55	Data Platforms for Mixed Forest Research: Contributions from the EuMIXFOR Network. Managing Forest Ecosystems, 2018, , 73-101.	0.4	6
56	Silviculture of Mixed Forests: A European Overview of Current Practices and Challenges. Managing Forest Ecosystems, 2018, , 185-253.	0.4	11
57	Climate effects on growth differ according to height and diameter along the stem in Pinus pinaster Ait.. IForest, 2018, 11, 237-242.	0.5	13
58	Climate influences on the maximum size-density relationship in Scots pine (Pinus sylvestris L.) and European beech (Fagus sylvatica L.) stands. Forest Ecology and Management, 2017, 385, 295-307.	1.4	59
59	Thinning enhances the species-specific radial increment response to drought in Mediterranean pine-oak stands. Agricultural and Forest Meteorology, 2017, 237-238, 371-383.	1.9	60
60	Thinning alters the early-decomposition rate and nutrient immobilization-release pattern of foliar litter in Mediterranean oak-pine mixed stands. Forest Ecology and Management, 2017, 391, 309-320.	1.4	34
61	Mediterranean Pine Forests: Management Effects on Carbon Stocks. Managing Forest Ecosystems, 2017, , 301-327.	0.4	23
62	Forest Carbon Sequestration: The Impact of Forest Management. Managing Forest Ecosystems, 2017, , 251-275.	0.4	5
63	Species interactions increase the temporal stability of community productivity in Pinus sylvestrisâ€“Fagus sylvatica mixtures across Europe. Journal of Ecology, 2017, 105, 1032-1043.	1.9	140
64	Dynamics of ecosystem services in Pinus sylvestris stands under different managements and site quality classes. European Journal of Forest Research, 2017, 136, 983-996.	1.1	5
65	Changes in structural heterogeneity and stand productivity by mixing Scots pine and Maritime pine. Forest Ecology and Management, 2017, 405, 219-228.	1.4	41
66	Predicting the spatial and temporal dynamics of species interactions in Fagus sylvatica and Pinus sylvestris forests across Europe. Forest Ecology and Management, 2017, 405, 112-133.	1.4	40
67	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.	1.4	80
68	EuMIXFOR empirical forest mensuration and ring width data from pure and mixed stands of Scots pine (Pinus sylvestris L.) and European beech (Fagus sylvatica L.) through Europe. Annals of Forest Science, 2017, 74, 1.	0.8	27
69	Tree ring wood density of Scots pine and European beech lower in mixed-species stands compared with monocultures. Forest Ecology and Management, 2017, 400, 363-374.	1.4	51
70	Effects of Drought on Xylem Anatomy and Water-Use Efficiency of Two Co-Occurring Pine Species. Forests, 2017, 8, 332.	0.9	49
71	Forest management and carbon sequestration in the Mediterranean region: A review. Forest Systems, 2017, 26, eR04S.	0.1	65
72	A review of thinning effects on Scots pine stands: From growth and yield to new challenges under global change. Forest Systems, 2017, 26, eR03S.	0.1	66

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73	Presentation of the Special Section â€˜Mediterranean Silviculture: Homage to Gregorio Monteroâ€™. Forest Systems, 2017, 26, eP1.	0.1	2
74	â€˜Carbon stocks in a Scots pine afforestation under different thinning intensities managementâ€™. Mitigation and Adaptation Strategies for Global Change, 2016, 21, 1059.	1.0	24
75	Mixing of Scots pine (Pinus sylvestris L.) and European beech (Fagus sylvatica L.) enhances structural heterogeneity, and the effect increases with water availability. Forest Ecology and Management, 2016, 373, 149-166.	1.4	115
76	Characterization of the structure, dynamics, and productivity of mixed-species stands: review and perspectives. European Journal of Forest Research, 2016, 135, 23-49.	1.1	170
77	Shrub biomass accumulation and growth rate models to quantify carbon stocks and fluxes for the Mediterranean region. European Journal of Forest Research, 2015, 134, 537-553.	1.1	43
78	Climate modifies tree interactions in terms of basal area growth and mortality in monospecific and mixed Fagus sylvatica and Pinus sylvestris forests. European Journal of Forest Research, 2015, 134, 1095-1108.	1.1	62
79	Growth and yield of mixed versus pure stands of Scots pine (Pinus sylvestris L.) and European beech (Fagus sylvatica L.) analysed along a productivity gradient through Europe. European Journal of Forest Research, 2015, 134, 927-947.	1.1	257
80	Temporal variation of competition and facilitation in mixed species forests in <scp>C</scp>entral <scp>E</scp>urope. Plant Biology, 2014, 16, 166-176.	1.8	132
81	New approaches to modelling cross-sectional area to height allometry in four Mediterranean pine species. Forestry, 2014, 87, 399-406.	1.2	7
82	Aleppo pine vulnerability to climate stress is independent of site productivity of forest stands in southeastern Spain. Trees - Structure and Function, 2014, 28, 1209-1224.	0.9	15
83	Analyzing size-symmetric vs. size-asymmetric and intra- vs. inter-specific competition in beech (Fagus) Tj ETQq1 1 0.784314 rgBT /Ove	1.4	90
84	Effect of species proportion definition on the evaluation of growth in pure vs. mixed stands. Forest Systems, 2014, 23, 547.	0.1	45
85	European Mixed Forests: definition and research perspectives. Forest Systems, 2014, 23, 518.	0.1	107
86	Do thinnings influence biomass and soil carbon stocks in Mediterranean maritime pinewoods?. European Journal of Forest Research, 2013, 132, 253-262.	1.1	69
87	Mixing effect on volume growth of Fagus sylvatica and Pinus sylvestris is modulated by stand density. Forest Ecology and Management, 2013, 292, 86-95.	1.4	115
88	Using stand-scale forest models for estimating indicators of sustainable forest management. Forest Ecology and Management, 2012, 285, 164-178.	1.4	48
89	Dynamic growth and yield model for Black pine stands in Spain. Forest Systems, 2012, 21, 439.	0.1	5
90	Biomass models to estimate carbon stocks for hardwood tree species. Forest Systems, 2012, 21, 42.	0.1	106

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91	Growth responses of West-Mediterranean Pinus nigra to climate change are modulated by competition and productivity: Past trends and future perspectives. Forest Ecology and Management, 2011, 262, 1030-1040.	1.4	96
92	New models for estimating the carbon sink capacity of Spanish softwood species. Forest Systems, 2011, 20, 176.	0.1	110
93	Modelling silviculture alternatives for managing Pinus pinea L.. Forest Systems, 2011, 20, 3.	0.1	11
94	Environmental variability and its relationship to site index in Mediterranean maritime pine. Forest Systems, 2011, 20, 50.	0.1	19
95	Growth and yield models in Spain: Historical overview, Contemporary Examples and perspectives. Forest Systems, 2011, 20, 315.	0.1	28
96	Black pine (Pinus nigra Arn.) growth divergence along a latitudinal gradient in Western Mediterranean mountains. Annals of Forest Science, 2010, 67, 401-401.	0.8	70
97	Modeling individual-tree mortality in Pyrenean oak (Quercus pyrenaica Willd.) stands. Annals of Forest Science, 2010, 67, 810-810.	0.8	25
98	Ingrowth model for pyrenean oak stands in north-western Spain using continuous forest inventory data. European Journal of Forest Research, 2010, 129, 669-678.	1.1	15
99	Regional changes of Pinus pinaster site index in Spain using a climate-based dominant height model. Canadian Journal of Forest Research, 2010, 40, 2036-2048.	0.8	30
100	Response of climate-growth relationships and water use efficiency to thinning in a Pinus nigra afforestation. Forest Ecology and Management, 2010, 259, 967-975.	1.4	151
101	Comparaison de la croissance en volume dans des peuplements purs et des peuplements mixtes de Pinus sylvestris et de Quercus pyrenaica. Annals of Forest Science, 2009, 66, 502-502.	0.8	108
102	Growth response to climate and drought in Pinus nigra Arn. trees of different crown classes. Trees - Structure and Function, 2008, 22, 363-373.	0.9	212
103	IntensitÃ© dâ€™Ã©claircie et croissance dans des peuplements de pin sylvestre du sud ouest de lâ€™Europe. Annals of Forest Science, 2008, 65, 308-308.	0.8	70
104	Individual-tree diameter growth model for rebollo oak (Quercus pyrenaica Willd.) coppices. Forest Ecology and Management, 2008, 255, 1011-1022.	1.4	77
105	A mixed nonlinear heightâ€“diameter model for pyrenean oak (Quercus pyrenaica Willd.). Forest Ecology and Management, 2008, 256, 88-98.	1.4	75
106	Long-term trends in dominant-height growth of black pine using dynamic models. Forest Ecology and Management, 2008, 256, 1230-1238.	1.4	25
107	Adapting a model for even-aged Pinus pinea L. stands to complex multi-aged structures. Forest Ecology and Management, 2008, 256, 1390-1399.	1.4	16
108	Dominant height growth equations including site attributes in the generalized algebraic difference approach. Canadian Journal of Forest Research, 2008, 38, 2348-2358.	0.8	50

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109	Geographic variation and parameter assessment in generalized algebraic difference site index modelling. Forest Ecology and Management, 2007, 247, 107-119.	1.4	33
110	Competition-induced mortality for Mediterranean Pinus pinaster Ait. and P. sylvestris L.. Forest Ecology and Management, 2006, 222, 88-98.	1.4	73
111	Distance independent tree diameter growth model for cork oak stands. Forest Ecology and Management, 2006, 225, 262-270.	1.4	34
112	Modelling dominant height growth and site index curves for rebollo oak (Quercus pyrenaicaWilld.). Annals of Forest Science, 2006, 63, 929-940.	0.8	38
113	Using historic management records to characterize the effects of management on the structural diversity of forests. Forest Ecology and Management, 2005, 207, 279-293.	1.4	59
114	Litter fall in Mediterranean Pinus pinaster Ait. stands under different thinning regimes. Forest Ecology and Management, 2005, 206, 179-190.	1.4	76
115	Growth response to thinning in Quercus pyrenaica Willd. coppice stands in Spanish central mountain. Annals of Forest Science, 2004, 61, 243-250.	0.8	99
116	Site index curves and growth model for Mediterranean maritime pine (Pinus pinaster Ait.) in Spain. Forest Ecology and Management, 2004, 201, 187-197.	1.4	38
117	Influence of individual tree and stand attributes in stem straightness inPinus pinasterAit. stands. Annals of Forest Science, 2004, 61, 141-148.	0.8	16
118	The effects of thinning on the structural diversity of coppice forests. Annals of Forest Science, 2004, 61, 771-779.	0.8	41
119	Analysis of diameterâ€“density relationships and self-thinning in non-thinned even-aged Scots pine stands. Forest Ecology and Management, 2001, 142, 79-87.	1.4	76
120	Results from a thinning experiment in a Scots pine (Pinus sylvestris L.) natural regeneration stand in the Sistema IbÃ©rico Mountain Range (Spain). Forest Ecology and Management, 2001, 145, 151-161.	1.4	42
121	Mixing effects on growth efficiency in mixed pine forests. Forestry, 0, , .	1.2	25