Jordi Garcia-Gonzalo

List of Publications by Year
in descending order

63 papers	3,598 citations	236925 25 h-index	133252 59 g-index
64 all docs	64 docs citations	64 times ranked	4852 citing authors

#	Article	IF	Citations
1	Nationwide climate-sensitive models for stand dynamics and forest scenario simulation. Forest Ecology and Management, 2022, 505, 119909.	3.2	9
2	An integer programming method for the design of multi-criteria multi-action conservation plans. Omega, 2020, 92, 102147.	5.9	6
3	Regional Level Data Server for Fire Hazard Evaluation and Fuel Treatments Planning. Remote Sensing, 2020, 12, 4124.	4.0	5
4	A Progressive Hedging Approach to Solve Harvest Scheduling Problem under Climate Change. Forests, 2020, 11, 224.	2.1	9
5	A mixed integer programming approach for multi-action planning for threat management. Ecological Modelling, 2020, 418, 108901.	2.5	5
6	Linking forest policy issues and decision support tools in Europe. Forest Policy and Economics, 2019, 103, 4-16.	3.4	11
7	A Decision Support Tool for Assessing the Impact of Climate Change on Multiple Ecosystem Services. Forests, 2019, 10, 440.	2.1	18
8	Strategic and tactical planning to improve suppression efforts against large forest fires in the Catalonia region of Spain. Forest Ecology and Management, 2019, 432, 612-622.	3.2	28
9	A multicriteria stochastic optimization framework for sustainable forest decision making under uncertainty. Forest Policy and Economics, 2019, 103, 112-122.	3.4	16
10	A multicriteria optimization model for sustainable forest management under climate change uncertainty: An application in Portugal. European Journal of Operational Research, 2018, 269, 79-98.	5.7	27
11	Decision Support Approaches in Adaptive Forest Management. Forests, 2018, 9, 215.	2.1	11
12	Coupling fire behaviour modelling and stand characteristics to assess and mitigate fire hazard in a maritime pine landscape in Portugal. European Journal of Forest Research, 2017, 136, 527-542.	2.5	20
13	Effects of Forest Age Structure, Management and Gradual Climate Change on Carbon Sequestration and Timber Production in Finnish Boreal Forests. Managing Forest Ecosystems, 2017, , 277-298.	0.9	8
14	Are forest disturbances amplifying or canceling out climate change-induced productivity changes in European forests?. Environmental Research Letters, 2017, 12, 034027.	5.2	142
15	Adaptive management rules for Pinus nigra Arnold ssp. salzmannii stands under risk of fire. Annals of Forest Science, 2017, 74, 1.	2.0	4
16	Modeling Post-Fire Mortality in Pure and Mixed Forest Stands in Portugalâ€"A Forest Planning-Oriented Model. Sustainability, 2017, 9, 390.	3.2	20
17	Decision Support Tools and Strategies to Simulate Forest Landscape Evolutions Integrating Forest Owner Behaviour: A Review from the Case Studies of the European Project, INTEGRAL. Sustainability, 2017, 9, 599.	3.2	23
18	A framework for modeling adaptive forest management and decision making under climate change. Ecology and Society, 2017, 22, .	2.3	72

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19	A Multiple Criteria Approach for Negotiating Ecosystem Services Supply Targets and Forest Owners' Programs. Forest Science, 2017, 63, 49-61.	1.0	65
20	Accounting for climate change in a forest planning stochastic optimization model. Canadian Journal of Forest Research, 2016, 46, 1111-1121.	1.7	15
21	A climate change adaptive dynamic programming approach to optimize eucalypt stand management scheduling: a Portuguese application. Canadian Journal of Forest Research, 2016, 46, 1000-1008.	1.7	11
22	Regional effects of alternative climate change and management scenarios on timber production, economic profitability, and carbon stocks in Norway spruce forests in Finland. Canadian Journal of Forest Research, 2016, 46, 274-283.	1.7	5
23	Institutional factors and opportunities for adapting European forest management to climate change. Regional Environmental Change, 2015, 15, 1595-1609.	2.9	20
24	Addressing Wildfire Risk in a Landscape-Level Scheduling Model: An Application in Portugal. Forest Science, 2015, 61, 266-277.	1.0	15
25	Decision Support for the Provision of Ecosystem Services under Climate Change: An Editorial. Forests, 2015, 6, 3212-3217.	2.1	19
26	A Decision Support System for Assessing Trade-Offs between Ecosystem Management Goals: An Application in Portugal. Forests, 2015, 6, 65-87.	2.1	42
27	How Sensitive Are Ecosystem Services in European Forest Landscapes to Silvicultural Treatment?. Forests, 2015, 6, 1666-1695.	2.1	103
28	A model of shrub biomass accumulation as a tool to support management of Portuguese forests. IForest, 2015, 8, 114-125.	1.4	31
29	Adaptive management and debarking schedule optimization of Quercus suber L. stands under climate change: case study in Chamusca, Portugal. Regional Environmental Change, 2015, 15, 1569-1580.	2.9	30
30	Effects of climate change on optimised stand management in the boreal forests of central Finland. European Journal of Forest Research, 2015, 134, 273-280.	2.5	12
31	Analysis of the performance of different implementations of a heuristic method to optimize forest harvest scheduling. Silva Fennica, 2015, 49, .	1.3	16
32	Studying the use of forest management decision support systems: an initial synthesis of lessons learned from case studies compiled using a semantic wiki. Scandinavian Journal of Forest Research, 2014, 29, 44-55.	1.4	12
33	A web-based ToolBox approach to support adaptive forest management under climate change. Scandinavian Journal of Forest Research, 2014, 29, 96-107.	1.4	23
34	Integrating fire risk in stand management scheduling. An application to Maritime pine stands in Portugal. Annals of Operations Research, 2014, 219, 379-395.	4.1	29
35	A decision support system for management planning of Eucalyptus plantations facing climate change. Annals of Forest Science, 2014, 71, 187-199.	2.0	35
36	Addressing Multicriteria Forest Management With Pareto Frontier Methods: An Application in Portugal. Forest Science, 2014, 60, 63-72.	1.0	63

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37	Addressing Risk in Forest Management Planning. Managing Forest Ecosystems, 2014, , 321-346.	0.9	0
38	Strategic Management Scheduling. Managing Forest Ecosystems, 2014, , 171-238.	0.9	1
39	Developing wildfire risk probability models for Eucalyptus globulus stands in Portugal. IForest, 2013, 6, 217-227.	1.4	29
40	Review. Assessing uncertainty and risk in forest planning and decision support systems: review of classical methods and introduction of new approaches. Forest Systems, 2013, 22, 282.	0.3	62
41	A participatory approach to design a toolbox to support forest management planning at regional level. Forest Systems, 2013, 22, 340.	0.3	11
42	A decision support system for a multi stakeholderâ€™s decision process in a Portuguese National Forest. Forest Systems, 2013, 22, 359.	0.3	20
43	A Stochastic Dynamic Programming Approach to Optimize Short-Rotation Coppice Systems Management Scheduling: An Application to Eucalypt Plantations under Wildfire Risk in Portugal. Forest Science, 2012, 58, 353-365.	1.0	28
44	Factors affecting wind and snow damage of individual trees in a small management unit in Finland: assessment based on inventoried damage and mechanistic modelling. Silva Fennica, 2012, 46, .	1.3	39
45	Assessing wildfire occurrence probability in Pinus pinaster Ait. stands in Portugal. Forest Systems, 2012, 21, 111.	0.3	21
46	Sustainability impact assessment of increasing resource use intensity in forest bioenergy production chains. GCB Bioenergy, 2011, 3, 91-106.	5.6	22
47	A three-step approach to post-fire mortality modelling in maritime pine (Pinus pinaster Ait) stands for enhanced forest planning in Portugal. Forestry, 2011, 84, 197-206.	2.3	19
48	Characterization of wildfires in Portugal. European Journal of Forest Research, 2011, 130, 775-784.	2.5	100
49	Developing post-fire Eucalyptus globulus stand damage and tree mortality models for enhanced forest planning in Portugal. Silva Fennica, 2011, 45, .	1.3	21
50	The effects of forest structure on the risk of wind damage at a landscape level in a boreal forest ecosystem. Annals of Forest Science, 2010, 67, 111-111.	2.0	35
51	ToSIAâ€”A tool for sustainability impact assessment of forest-wood-chains. Ecological Modelling, 2010, 221, 2197-2205.	2.5	91
52	Assigning results of the Tool for Sustainability Impact Assessment (ToSIA) to products of a forest-wood-chain. Ecological Modelling, 2010, 221, 2215-2225.	2.5	11
53	Climate change impacts, adaptive capacity, and vulnerability of European forest ecosystems. Forest Ecology and Management, 2010, 259, 698-709.	3.2	1,684
54	Assessing impacts of Common Agricultural Policy changes on regional land use patterns with a decision support system. Forest Policy and Economics, 2010, 12, 111-120.	3.4	26

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55	Multi-criteria evaluation of multi-purpose stand treatment programmes for Finnish boreal forests under changing climate. Ecological Indicators, 2008, 8, 26-45.	6.3	32
56	Analysing the Effects of Forest Structure on Carbon Stocks and Timber Production Under Changing Management and Climate. Managing Forest Ecosystems, 2008, , 195-218.	0.9	1
57	Designing a Forested Landscape in Finland Under Different Climate Scenarios. Managing Forest Ecosystems, 2008, , 215-241.	0.9	1
58	Impacts of forest landscape structure and management on timber production and carbon stocks in the boreal forest ecosystem under changing climate. Forest Ecology and Management, 2007, 241, 243-257.	3.2	59
59	Effects of climate change and management on timber yield in boreal forests, with economic implications: A case study. Ecological Modelling, 2007, 209, 220-234.	2.5	48
60	Changed thinning regimes may increase carbon stock under climate change: A case study from a Finnish boreal forest. Climatic Change, 2007, 81, 431-454.	3.6	85
61	Effects of management on timber production and carbon stock in a boreal forest ecosystem under changing climate: a model based approach. Dissertationes Forestales, 2007, 2007, .	0.1	3
62	Sensitivity of growth of Scots pine, Norway spruce and silver birch to climate change and forest management in boreal conditions. Forest Ecology and Management, 2006, 232, 152-167.	3.2	116
63	Carbon stocks and timber yield in two boreal forest ecosystems under current and changing climatic conditions subjected to varying management regimes. Environmental Science and Policy, 2006, 9, 237-252.	4.9	45