

Jose G Borges

List of Publications by Year in descending order

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89
papers

2,177
citations

218677

26
h-index

276875

41
g-index

93
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93
docs citations

93
times ranked

1917
citing authors

#	ARTICLE	IF	CITATIONS
1	An optimization approach to design forest road networks and plan timber transportation. <i>Operational Research</i> , 2022, 22, 2973-3001.	2.0	2
2	A Systematic Review of Applications of Machine Learning Techniques for Wildfire Management Decision Support. <i>Inventions</i> , 2022, 7, 15.	2.5	33
3	An Ecological-Economic Approach to Assess Impacts of the Expansion of Eucalyptus Plantations in Agroforest Landscapes of Northern Ethiopia. <i>Forests</i> , 2022, 13, 686.	2.1	2
4	Multicriteria Decision Analysis and Group Decision-Making to Select Stand-Level Forest Management Models and Support Landscape-Level Collaborative Planning. <i>Forests</i> , 2021, 12, 399.	2.1	11
5	Ecosystem Services Auctions: The Last Decade of Research. <i>Forests</i> , 2021, 12, 578.	2.1	8
6	Power analysis as a tool to analyse trade-offs between ecosystem services in forest management: A case study from nine European countries. <i>Ecosystem Services</i> , 2021, 49, 101290.	5.4	17
7	A Participatory and Spatial Multicriteria Decision Approach to Prioritize the Allocation of Ecosystem Services to Management Units. <i>Land</i> , 2021, 10, 747.	2.9	10
8	Forest management for optimizing soil protection: a landscape-level approach. <i>Forest Ecosystems</i> , 2021, 8, .	3.1	10
9	Building Pareto Frontiers for Ecosystem Services Tradeoff Analysis in Forest Management Planning Integer Programs. <i>Forests</i> , 2021, 12, 1244.	2.1	8
10	Management of Multiple Ecosystem Services under Climate Change, Bioeconomy and Participation. <i>Forests</i> , 2021, 12, 104.	2.1	4
11	Combining Tree Species Composition and Understory Coverage Indicators with Optimization Techniques to Address Concerns with Landscape-Level Biodiversity. <i>Land</i> , 2021, 10, 126.	2.9	10
12	A Web-Based Approach for Visualizing Interactive Decision Maps. <i>Information (Switzerland)</i> , 2021, 12, 9.	2.9	2
13	Bi-Level Participatory Forest Management Planning Supported by Pareto Frontier Visualization. <i>Forest Science</i> , 2020, 66, 490-500.	1.0	9
14	Appraisal framework for actor interest and power analysis in forest management - Insights from Northern Portugal. <i>Forest Policy and Economics</i> , 2020, 111, 102049.	3.4	25
15	An approach to assess actors' preferences and social learning to enhance participatory forest management planning. <i>Trees, Forests and People</i> , 2020, 2, 100026.	1.9	11
16	Integrating ecosystem services in power analysis in forest governance: A comparison across nine European countries. <i>Forest Policy and Economics</i> , 2020, 121, 102317.	3.4	9
17	Forest Biodiversity, Carbon Sequestration, and Wood Production: Modeling Synergies and Trade-Offs for Ten Forest Landscapes Across Europe. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	36
18	A Design for Addressing Multiple Ecosystem Services in Forest Management Planning. <i>Forests</i> , 2020, 11, 1108.	2.1	27

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19	Addressing soil protection concerns in forest ecosystem management under climate change. <i>Forest Ecosystems</i> , 2020, 7, .	3.1	15
20	Stand Structural Characteristics Are the Most Practical Biodiversity Indicators for Forest Management Planning in Europe. <i>Forests</i> , 2020, 11, 343.	2.1	31
21	Linking forest policy issues and decision support tools in Europe. <i>Forest Policy and Economics</i> , 2019, 103, 4-16.	3.4	11
22	Forest decision support systems for the analysis of ecosystem services provisioning at the landscape scale under global climate and market change scenarios. <i>European Journal of Forest Research</i> , 2019, 138, 561-581.	2.5	43
23	Web-Based Forest Resources Management Decision Support System. <i>Forests</i> , 2019, 10, 1079.	2.1	19
24	Improving silvicultural practices for Mediterranean forests through fire behaviour modelling using LiDAR-derived canopy fuel characteristics. <i>International Journal of Wildland Fire</i> , 2019, 28, 823.	2.4	38
25	A generalizable monitoring model to implement policies to promote forest restoration – A case study in São Paulo - Brazil. <i>Forest Policy and Economics</i> , 2019, 103, 123-135.	3.4	2
26	Combining Decision Support Approaches for Optimizing the Selection of Bundles of Ecosystem Services. <i>Forests</i> , 2018, 9, 438.	2.1	30
27	Coupling fire behaviour modelling and stand characteristics to assess and mitigate fire hazard in a maritime pine landscape in Portugal. <i>European Journal of Forest Research</i> , 2017, 136, 527-542.	2.5	20
28	Are forest disturbances amplifying or canceling out climate change-induced productivity changes in European forests?. <i>Environmental Research Letters</i> , 2017, 12, 034027.	5.2	142
29	Addressing Wildfire Risk in Forest Management Planning with Multiple Criteria Decision Making Methods. <i>Sustainability</i> , 2017, 9, 298.	3.2	27
30	Modeling Post-Fire Mortality in Pure and Mixed Forest Stands in Portugal – A Forest Planning-Oriented Model. <i>Sustainability</i> , 2017, 9, 390.	3.2	20
31	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. <i>Sustainability</i> , 2017, 9, 599.	3.2	23
32	A framework for modeling adaptive forest management and decision making under climate change. <i>Ecology and Society</i> , 2017, 22, .	2.3	72
33	A Multiple Criteria Approach for Negotiating Ecosystem Services Supply Targets and Forest Owners' Programs. <i>Forest Science</i> , 2017, 63, 49-61.	1.0	65
34	A climate change adaptive dynamic programming approach to optimize eucalypt stand management scheduling: a Portuguese application. <i>Canadian Journal of Forest Research</i> , 2016, 46, 1000-1008.	1.7	11
35	Usefulness and perceived usefulness of Decision Support Systems (DSSs) in participatory forest planning: the final users' point of view. <i>IForest</i> , 2016, 9, 422-429.	1.4	8
36	Institutional factors and opportunities for adapting European forest management to climate change. <i>Regional Environmental Change</i> , 2015, 15, 1595-1609.	2.9	20

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37	Addressing Wildfire Risk in a Landscape-Level Scheduling Model: An Application in Portugal. <i>Forest Science</i> , 2015, 61, 266-277.	1.0	15
38	Decision Support for the Provision of Ecosystem Services under Climate Change: An Editorial. <i>Forests</i> , 2015, 6, 3212-3217.	2.1	19
39	A Decision Support System for Assessing Trade-Offs between Ecosystem Management Goals: An Application in Portugal. <i>Forests</i> , 2015, 6, 65-87.	2.1	42
40	How Sensitive Are Ecosystem Services in European Forest Landscapes to Silvicultural Treatment?. <i>Forests</i> , 2015, 6, 1666-1695.	2.1	103
41	Adaptive management and debarking schedule optimization of <i>Quercus suber</i> L. stands under climate change: case study in Chamusca, Portugal. <i>Regional Environmental Change</i> , 2015, 15, 1569-1580.	2.9	30
42	Cohesive fire management within an uncertain environment: A review of risk handling and decision support systems. <i>Forest Ecology and Management</i> , 2015, 347, 1-17.	3.2	56
43	Linear regression on the characterization of elements of natural origin and possible implications in the use of ground. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
44	Statistical models for categorical data: Brief review for applications in ecology. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	2
45	A Bayesian Modelling of Wildfires in Portugal. <i>CIM Series in Mathematical Sciences</i> , 2015, , 723-733.	0.4	3
46	Analysis of the performance of different implementations of a heuristic method to optimize forest harvest scheduling. <i>Silva Fennica</i> , 2015, 49, .	1.3	16
47	A web-based ToolBox approach to support adaptive forest management under climate change. <i>Scandinavian Journal of Forest Research</i> , 2014, 29, 96-107.	1.4	23
48	Integrating fire risk in stand management scheduling. An application to Maritime pine stands in Portugal. <i>Annals of Operations Research</i> , 2014, 219, 379-395.	4.1	29
49	A decision support system for management planning of Eucalyptus plantations facing climate change. <i>Annals of Forest Science</i> , 2014, 71, 187-199.	2.0	35
50	The Management of Industrial Forest Plantations. <i>Managing Forest Ecosystems</i> , 2014, , .	0.9	16
51	A stochastic approach to optimize Maritime pine (<i>Pinus pinaster</i> Ait.) stand management scheduling under fire risk. An application in Portugal. <i>Annals of Operations Research</i> , 2014, 219, 359-377.	4.1	27
52	Addressing Multicriteria Forest Management With Pareto Frontier Methods: An Application in Portugal. <i>Forest Science</i> , 2014, 60, 63-72.	1.0	63
53	Economics and Management of Industrial Forest Plantations. <i>Managing Forest Ecosystems</i> , 2014, , 121-170.	0.9	1
54	Integrating Management Planning Levels with Decision Support Systems. <i>Managing Forest Ecosystems</i> , 2014, , 299-319.	0.9	0

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55	Addressing Risk in Forest Management Planning. <i>Managing Forest Ecosystems</i> , 2014, , 321-346.	0.9	0
56	Strategic Management Scheduling. <i>Managing Forest Ecosystems</i> , 2014, , 171-238.	0.9	1
57	Developing wildfire risk probability models for <i>Eucalyptus globulus</i> stands in Portugal. <i>IForest</i> , 2013, 6, 217-227.	1.4	29
58	Review. Assessing uncertainty and risk in forest planning and decision support systems: review of classical methods and introduction of new approaches. <i>Forest Systems</i> , 2013, 22, 282.	0.3	62
59	A participatory approach to design a toolbox to support forest management planning at regional level. <i>Forest Systems</i> , 2013, 22, 340.	0.3	11
60	A decision support system for a multi stakeholderâ€™s decision process in a Portuguese National Forest. <i>Forest Systems</i> , 2013, 22, 359.	0.3	20
61	A Stochastic Dynamic Programming Approach to Optimize Short-Rotation Coppice Systems Management Scheduling: An Application to Eucalypt Plantations under Wildfire Risk in Portugal. <i>Forest Science</i> , 2012, 58, 353-365.	1.0	28
62	Assessing wildfire occurrence probability in <i>Pinus pinaster</i> Ait. stands in Portugal. <i>Forest Systems</i> , 2012, 21, 111.	0.3	21
63	An Enterprise Architecture Approach for Designing an Integrated Wood Supply Management System. , 2012, , 1-21.		3
64	Assessing forest management strategies using a contingent valuation approach and advanced visualisation techniques: A Portuguese case study. <i>Journal of Forest Economics</i> , 2011, 17, 399-414.	0.2	23
65	A three-step approach to post-fire mortality modelling in maritime pine (<i>Pinus pinaster</i> Ait) stands for enhanced forest planning in Portugal. <i>Forestry</i> , 2011, 84, 197-206.	2.3	19
66	Characterization of wildfires in Portugal. <i>European Journal of Forest Research</i> , 2011, 130, 775-784.	2.5	100
67	An enterprise architecture approach to forest management support systems design: an application to pulpwood supply management in Portugal. <i>European Journal of Forest Research</i> , 2011, 130, 935-948.	2.5	27
68	Developing post-fire <i>Eucalyptus globulus</i> stand damage and tree mortality models for enhanced forest planning in Portugal. <i>Silva Fennica</i> , 2011, 45, .	1.3	21
69	An approach to cork oak forest management planning: a case study in southwestern Portugal. <i>European Journal of Forest Research</i> , 2010, 129, 233-241.	2.5	18
70	Assessing impacts of Common Agricultural Policy changes on regional land use patterns with a decision support system. <i>Forest Policy and Economics</i> , 2010, 12, 111-120.	3.4	26
71	Applying Enterprise Architecture to the Design of the Integrated Forest Products Supply Chain Management System. <i>Communications in Computer and Information Science</i> , 2010, , 32-40.	0.5	1
72	Coordinating Management Decisions of Neighboring Stands with Dynamic Programming. <i>Managing Forest Ecosystems</i> , 2008, , 187-213.	0.9	12

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73	Decision Support Systems in Forest Management. , 2008, , 499-533.		34
74	A New Mixed-Integer Programming Model for Harvest Scheduling Subject to Maximum Area Restrictions. Operations Research, 2008, 56, 542-551.	1.9	82
75	Designing Green Landscapes. Managing Forest Ecosystems, 2008, , .	0.9	15
76	Addressing collaborative planning methods and tools in forest management. Forest Ecology and Management, 2007, 248, 107-118.	3.2	61
77	A real-time visualization tool for forest ecosystem management decision support. Computers and Electronics in Agriculture, 2006, 53, 3-12.	7.7	31
78	A column generation approach for solving a non-temporal forest harvest model with spatial structure constraints. European Journal of Operational Research, 2005, 161, 478-498.	5.7	32
79	Designing decision support tools for Mediterranean forest ecosystems management: a case study in Portugal. Annals of Forest Science, 2005, 62, 751-760.	2.0	37
80	A framework for data quality for Mediterranean sustainable ecosystem management. Annals of Forest Science, 2004, 61, 557-568.	2.0	15
81	A Decision Support System for Forest Ecosystem Management in Portugal. Managing Forest Ecosystems, 2003, , 155-163.	0.9	16
82	Comparison of Heuristics for Spatially Constrained Natural Resource Management Problems. Managing Forest Ecosystems, 2003, , 269-277.	0.9	0
83	Heuristics in Multi-Objective Forest Management. Managing Forest Ecosystems, 2002, , 119-151.	0.9	19
84	Structuring a landscape by forestland classification and harvest scheduling spatial constraints. Forest Ecology and Management, 2000, 130, 269-275.	3.2	24
85	Assessing the impact of management unit design and adjacency constraints on forestwide spatial conditions and timber revenues. Canadian Journal of Forest Research, 1999, 29, 1764-1774.	1.7	28
86	A quantitative approach to cork oak forest management. Forest Ecology and Management, 1997, 97, 223-229.	3.2	28
87	Addressing trade-offs among fuel management scenarios through a dynamic and spatial integrated approach for enhanced decision-making in eucalyptus forest. , 0, , 1623-1627.		0
88	An Enterprise Architecture Approach for Designing an Integrated Wood Supply Management System. , 0, , 434-453.		0
89	Large-Scale Wildfire Mitigation Through Deep Reinforcement Learning. Frontiers in Forests and Global Change, 0, 5, .	2.3	2