Kevin Boston

List of Publications by Year
in descending order

44 papers	1,039 citations	623188 14 h-index	433756 31 g-index
45 all docs	45 docs citations	45 times ranked	909 citing authors

#	Article	IF	Citations
1	Eight heuristic planning techniques applied to three increasingly difficult wildlife planning problems. Silva Fennica, 2002, 36, .	0.5	147
2	Prediction of understory vegetation cover with airborne lidar in an interior ponderosa pine forest. Remote Sensing of Environment, 2012, 124, 730-741.	4.6	125
3	Using Tabu search to schedule timber harvests subject to spatial wildlife goals for big game. Ecological Modelling, 1997, 94, 111-123.	1.2	122
4	Optimisation in Forest Management. Current Forestry Reports, 2016, 2, 1-17.	3.4	57
5	Individual snag detection using neighborhood attribute filtered airborne lidar data. Remote Sensing of Environment, 2015, 163, 165-179.	4.6	55
6	Intensifying a heuristic forest harvest scheduling search procedure with 2-opt decision choices. Canadian Journal of Forest Research, 1999, 29, 1784-1792.	0.8	49
7	Economic Optimization of Forest Biomass Processing and Transport in the Pacific Northwest USA. Forest Science, 2015, 61, 220-234.	0.5	47
8	Methods to Manage and Optimize Forest Biomass Supply Chains: a Review. Current Forestry Reports, 2019, 5, 124-141.	3.4	42
9	The economic impact of green-up constraints in the southeastern United States. Forest Ecology and Management, 2001, 145, 191-202.	1.4	41
10	The Potential Effects of Forest Roads on the Environment and Mitigating their Impacts. Current Forestry Reports, 2016, 2, 215-222.	3.4	41
11	Landscape-level optimization using tabu search and stand density-related forest management prescriptions. European Journal of Operational Research, 2007, 176, 1265-1282.	3.5	40
12	An economic and landscape evaluation of the green-up rules for California, Oregon, and Washington (USA). Forest Policy and Economics, 2006, 8, 251-266.	1.5	26
13	Economic Impact of Truckâ€“Machine Interference in Forest Biomass Recovery Operations on Steep Terrain. Forest Products Journal, 2013, 63, 162-173.	0.2	22
14	Combinatorial optimization of elk habitat effectiveness and timber harvest volume. Environmental Modeling and Assessment, 1999, 4, 143-153.	1.2	21
15	Value Recovery from Two Mechanized Bucking Operations in the Southeastern United States. Southern Journal of Applied Forestry, 2003, 27, 259-263.	0.4	15
16	Impact of the Ninth Circuit Court Ruling (<I>Northwest Environmental Defense Center v.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14 344-346.	0.5	14
17	Road Location and Construction Practices: Effects on Landslide Frequency and Size in the Oregon Coast Range. Western Journal of Applied Forestry, 1987, 2, 119-124.	0.5	13
18	Forest management decisions for wildlife objectives: system resolution and optimality. Computers and Electronics in Agriculture, 2000, 27, 25-39.	3.7	13

#	Article	IF	Citations
19	Optimization of Road Spacing for Log Length Shovel Logging on Gentle Terrain. International Journal of Forest Engineering, 2006, 17, 67-75.	0.4	13
20	A program for cost estimation of forest road construction using engineer's method. Forest Science and Technology, 2013, 9, 111-117.	0.3	12
21	A Technique for Implementing Group Selection Treatments with Multiple Objectives Using an Airborne Lidar-Derived Stem Map in a Heuristic Environment. Forest Science, 2019, 65, 211-222.	0.5	12
22	A Conceptual Model for Describing Decision-Making Situations in Integrated Natural Resource Planning and Modeling Projects 1. Environmental Management, 2001, 28, 1-7.	1.2	10
23	Optimal Policies for Managing Aggregate Resources on Temporary Forest Roads. Western Journal of Applied Forestry, 2006, 21, 207-216.	0.5	10
24	Forest Road Erosion Control Using Multiobjective Optimization¹. Journal of the American Water Resources Association, 2010, 46, 712-723.	1.0	10
25	Pricing Forest Biomass for Power Generation. Western Journal of Applied Forestry, 2013, 28, 51-56.	0.5	10
26	Forest Planning Heuristicsâ€"Current Recommendations and Research Opportunities for s-Metaheuristics. Forests, 2017, 8, 476.	0.9	10
27	Habitat and commodity production trade-offs in coastal Oregon. Socio-Economic Planning Sciences, 2008, 42, 112-128.	2.5	8
28	Search reversion within s-metaheuristics: impacts illustrated with a forest planning problem. Silva Fennica, 2015, 49, .	0.5	8
29	Consuming Fuel and Fuelling Consumption: Modelling Human Caloric Demands and Fuelwood Use. Small-Scale Forestry, 2008, 7, 1-15.	0.7	7
30	Predicting Aggregate Degradation in Forest Roads in Northwest Oregon. Forests, 2020, 11, 729.	0.9	7
31	Compaction of Forest Roads in Northwestern Oregon â€“ Room for Improvement. International Journal of Forest Engineering, 2008, 19, 24-28.	0.4	6
32	Assessment of Geographic Information System (GIS) Skills Employed by Graduates from Three Forestry Programs in the United States. Forests, 2016, 7, 304.	0.9	6
33	Spatial Forest Plan Development Using Heuristic Processes Seeded with a Relaxed Linear Programming Solution. Forest Science, 2017, 63, 518-528.	0.5	5
34	Development of a Correlation Model between a 20-kg Clegg Hammer and Field CBR for Measuring Subgrade Strength in Forest Roads in Western Oregon. International Journal of Forest Engineering, 2010, 21, 12-19.	0.4	4
35	Incorporating Regeneration Effort as a Decision Variable in Tactical Harvest Scheduling. Western Journal of Applied Forestry, 2009, 24, 61-66.	0.5	2
36	Aggregate Performance on Forest Roads in the Pacific Northwest. European Journal of Forest Engineering, 2018, 4, 43-49.	0.8	2

#	Article	IF	Citations
37	Intelligent Deployment of Forest Road Graders. International Journal of Forest Engineering, 2007, 18, 15-23.	0.4	1
38	Spatial Restrictions and Considerations in Forest Planning. , 2017, , 249-267.		1
39	Forest Supply Chain Management. , 2017, , 279-290.		1
40	Common forestry practices. , 2022, , 265-294.		1
41	Forest measurements and forestry related data. , 2022, , 199-229.		1
42	Forestry Raw Materials Supply Chain Management. Managing Forest Ecosystems, 2014, , 467-487.	0.4	1
43	Advanced Planning Techniques. , 2017, , 177-199.		0
44	Forest harvesting systems. , 2022, , 295-311.		0