

Abdullah Emin Akay

List of Publications by Year in descending order

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66
papers

877
citations

567281

15
h-index

552781

26
g-index

66
all docs

66
docs citations

66
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating sediment yield from a forest road network by using a sediment prediction model and GIS techniques. <i>Building and Environment</i> , 2008, 43, 687-695.	6.9	67
2	Using LiDAR technology in forestry activities. <i>Environmental Monitoring and Assessment</i> , 2009, 151, 117-125.	2.7	65
3	Using the Remote Sensing and GIS Technology for Erosion Risk Mapping of Kartalkaya Dam Watershed in Kahramanmaraş, Turkey. <i>Sensors</i> , 2008, 8, 4851-4865.	3.8	53
4	A GIS-based decision support system for determining the shortest and safest route to forest fires: a case study in Mediterranean Region of Turkey. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 1391-1407.	2.7	52
5	Using ASTER Imagery in Land Use/cover Classification of Eastern Mediterranean Landscapes According to CORINE Land Cover Project. <i>Sensors</i> , 2008, 8, 1237-1251.	3.8	51
6	Applying the Decision Support System, TRACER, to Forest Road Design. <i>Western Journal of Applied Forestry</i> , 2005, 20, 184-191.	0.5	45
7	Application of an airborne laser scanner to forest road design with accurate earthwork volumes. <i>Journal of Forest Research</i> , 2005, 10, 113-123.	1.4	34
8	Using high resolution images and elevation data in classifying erosion risks of bare soil areas in the Hatıla Valley Natural Protected Area, Turkey. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010, 24, 699-704.	4.0	33
9	Application of GeoWEPP for Determining Sediment Yield and Runoff in the Orcan Creek Watershed in Kahramanmaraş, Turkey. <i>Sensors</i> , 2008, 8, 1222-1236.	3.8	30
10	Evaluation of UAV- and GNSS-Based DEMs for Earthwork Volume. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 1893-1909.	3.0	30
11	Önsansız hava araçları ile yerksek hassasiyette sayısal yerkseklik modeli retimi ve ormanlıkta kullanım olanakları. İstanbul Üniversitesi Orman Fakültesi Dergisi, 2016, 66, .	0.1	26
12	Heuristic planning techniques applied to forest road profiles. <i>Journal of Forest Research</i> , 2005, 10, 83-92.	1.4	25
13	Minimizing total costs of forest roads with computer-aided design model. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2006, 31, 621-633.	1.3	24
14	GIS-BASED MULTI-CRITERIA DECISION ANALYSIS FOR FOREST FIRE RISK MAPPING. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-4/W4, 25-30.	0.0	22
15	Monitoring the local distribution of striped hyenas (<i>Hyaena hyaena</i> L.) in the Eastern Mediterranean Region of Turkey (Hatay) by using GIS and remote sensing technologies. <i>Environmental Monitoring and Assessment</i> , 2011, 181, 445-455.	2.7	16
16	Hydroecological approach for determining the width of riparian buffer zones for providing soil conservation and water quality. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 275-284.	3.5	16
17	Assessment of ecological passages along road networks within the Mediterranean forest using GIS-based multi criteria evaluation approach. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 779.	2.7	15
18	Evaluating the Effects of Improving Forest Road Standards on Economic Value of Forest Products. <i>Croatian Journal of Forest Engineering</i> , 2021, 42, 245-258.	1.9	15

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19	Automatically Extracting 3D Models and Network Analysis for Indoors. , 2006, , 395-404.		15
20	Forest Fire Risk Mapping by using GIS Techniques and AHP Method: A Case Study in Bodrum (Turkey). European Journal of Forest Engineering, 2019, 5, 25-35.	0.8	15
21	Impact of Mechanized Harvesting Machines on Forest Ecosystem: Residual Stand Damage. Journal of Applied Sciences, 2006, 6, 2414-2419.	0.3	15
22	Designing a forwarder operation considering tolerable soil disturbance and minimum total cost. Journal of Terramechanics, 2007, 44, 187-195.	3.1	13
23	Factors of land use/cover change: A case study from Turkey. Scientific Research and Essays, 2011, 6, 3684-3696.	0.4	13
24	ROAD EXTRACTION TECHNIQUES FROM REMOTE SENSING IMAGES: A REVIEW. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W9, 339-342.	0.2	13
25	Use of spatial pattern analysis to assess forest cover changes in the Mediterranean region of Turkey. Journal of Forest Research, 2015, 20, 365-374.	1.4	12
26	Estimating structural properties of riparian forests with airborne lidar data. International Journal of Remote Sensing, 2012, 33, 7010-7023.	2.9	11
27	Analyzing riparian forest cover changes along the Firniz River in the Mediterranean City of Kahramanmaraş in Turkey. Environmental Monitoring and Assessment, 2014, 186, 2741-2747.	2.7	10
28	An assessment of conventional and drone-based measurements for tree attributes in timber volume estimation: A case study on stone pine plantation. Ecological Informatics, 2021, 63, 101303.	5.2	10
29	Estimating sediment reduction cost for low-volume forest roads using a lidar-derived high-resolution dem. Baltic Journal of Road and Bridge Engineering, 2014, 9, 52-57.	0.8	9
30	Determination of fire-access zones along road networks in fire-sensitive forests. Journal of Forestry Research, 2017, 28, 557-564.	3.6	8
31	Using GIS-based multicriteria decision support system for planning road networks with visual quality constraints: a case study of protected areas in Ankara, Turkey. Environmental Monitoring and Assessment, 2020, 192, 447.	2.7	7
32	Post-Fire Salvage Logging for Fire-Killed Brutian Pine (Pinus brutia) Trees. Journal of Applied Sciences, 2007, 7, 402-406.	0.3	7
33	ACCEL: Spreadsheet-Based Cost Estimation for Forest Road Construction. Western Journal of Applied Forestry, 2011, 26, 189-197.	0.5	6
34	Mapping the risk of winter storm damage using GIS-based fuzzy logic. Journal of Forestry Research, 2020, 31, 729-742.	3.6	6
35	Optimal planning of timber extraction methods using analytic hierarchy process. European Journal of Forest Research, 2020, 139, 647-654.	2.5	6
36	Evaluating the Salvage Value of Fire-Killed Timber by Helicopterâ€™s Effects of Yarding Distance and Time Since Fire. Western Journal of Applied Forestry, 2006, 21, 102-107.	0.5	5

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37	Impact assessment of log skidding on soil condition of skid roads during ground-based logging in a plantation forest in Istanbul, Turkey. <i>Bosque</i> , 2017, 38, 41-46.	0.3	5
38	Evaluation of forest road network planning in landslide sensitive areas by GIS-based multi-criteria decision making approaches in Ihsangazi watershed, Northern Turkey. <i>Sumarski List</i> , 2019, 143, 336-336.	0.3	5
39	Productivity assessment of alternative timber debarking methods. <i>Sumarski List</i> , 2017, 141, 476-476.	0.3	5
40	An Analysis of Utilizing Helicopter Logging in Turkish Forestry. <i>Journal of Applied Sciences</i> , 2008, 8, 3910-3916.	0.3	5
41	SPATIOTEMPORAL CHANGE DETECTION USING LANDSAT IMAGERY: THE CASE STUDY OF KARACABEY FLOODED FOREST, BURSA, TURKEY. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-4/W4, 31-35.	0.0	5
42	Productivity of a Portable Winch System Used in Salvage Logging of Storm-Damaged Timber. <i>Croatian Journal of Forest Engineering</i> , 2019, 40, 311-318.	1.9	4
43	Assessing the effects of site factors on the productivity of a feller buncher: a time and motion analysis. <i>Journal of Forestry Research</i> , 2019, 30, 1471-1478.	3.6	4
44	Effects of Improving Forest Road Standards on Shortening the Arrival Time of Ground-based Firefighting Teams Accessing to the Forest Fires. <i>European Journal of Forest Engineering</i> , 2021, 7, 32-38.	0.8	4
45	Using thermal infrared imagery produced by unmanned air vehicles to evaluate locations of ecological road structures. <i>Åstanbul Åeniversitesi Orman FakÅltesi Dergisi</i> , 2015, 66, .	0.1	4
46	USING AIRBORNE LIDAR DATA FOR ASSESSMENT OF FOREST FIRE FUEL LOAD POTENTIAL. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-4/W4, 255-258.	0.0	4
47	The Evolution of Computer-Aided Road Design Systems. <i>International Journal of Forest Engineering</i> , 2005, 16, 73-79.	0.8	3
48	Evaluation of Fire Lookout Towers Using GIS-based Spatial Visibility and Suitability Analyzes. <i>Sumarski List</i> , 2020, 144, 279-288.	0.3	3
49	Analysis of a feller-buncher productivity: a case study of whole-tree harvesting from Marmara region, Turkey. <i>Annals of Forest Research</i> , 2021, 64, 99-110.	1.1	3
50	USING READY-TO-USE DRONE IMAGES in FORESTRY ACTIVITIES: CASE STUDY OF Å#INARPINAR in KAHRAMANMARAS, TURKEY. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-4/W6, 51-53.	0.2	3
51	DETERMINING THE LOCATIONS OF POTENTIAL FIREFIGHTING TEAMS BY USING GIS TECHNIQUES. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-4/W9, 83-88.	0.2	3
52	Multidirectional Scanning Model, MUSCLE, to Vectorize Raster Images with Straight Lines. <i>Sensors</i> , 2008, 8, 2673-2694.	3.8	2
53	Analyzing dynamic curve widening on forest roads. <i>Journal of Forestry Research</i> , 2017, 28, 411-417.	3.6	2
54	USING GIS AND AHP FOR PLANNING PRIMER TRANSPORTATION OF FOREST PRODUCTS. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , 0, IV-4/W4, 19-24.	0.0	2

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55	Using GIS Techniques for Assessment of Accessible Forest Lands by Firefighting Teams Considering Fire Risk Degrees. European Journal of Forest Engineering, 2020, 6, 87-95.	0.8	2
56	ASSESSMENT OF FIREFIGHTING TEAMS BY USING GIS-BASED NETWORK ANALYSIS METHOD. Turkish Journal of Forest Science, 2020, 4, 424-435.	0.4	2
57	Essential Issues Related to Construction Phases of Road Networks in Protected Areas. Croatian Journal of Forest Engineering, 2022, 43, .	1.9	2
58	Motorlu testere ile odun hammaddesi için verim ve kalan ağaç zararlarındaki değişimlerin araştırılması: Bahçe Orman İşletme Şefliği Örneği. İstanbul Üniversitesi Orman Fakültesi Dergisi, 2019, 66, 357.		1
59	Taahhüt edilebilir ve sentetik halat ile entegre oluk sistemi içerisinde odun hammaddesinin yamaçta kontrolünün sağlanması. İstanbul Üniversitesi Orman Fakültesi Dergisi, 2016, 66, .	0.1	1
60	Karacabeyde Odun Hammaddesinin Taahhüt edilebilir El Vinci ile İşletilmesinin Verim ve Kalitesinden Değerlendirilmesi. Journal of Forestry Faculty of Kastamonu University, 0, , 124-124.	0.4	1
61	Determination of the Safest Route for Logging Trucks Based on Road Types and Conditions. , 2020, 3, .		1
62	Integrated Use of AHP and GIS Techniques for Generating Forest Fire Risk Map in Karacabey Flooded Forest. , 2020, 3, .		1
63	ASSESSMENT OF SEDIMENT YIELD AND WATER QUALITY FOR TWO NEIGHBOURING WATERSHEDS IN KAHRAMANMARAS, TURKEY. Pakistan Journal of Agricultural Sciences, 2016, 53, 653-659.	0.2	0
64	Spatiotemporal Change Detection of the Linden Forests in Bursa, Turkey. European Journal of Forest Engineering, 2018, 4, 50-55.	0.8	0
65	Variation of tree diameters along road edges: the case of Karacabey linden forest in Bursa, Turkey. Forestist, 2019, 69, 81-86.	0.4	0
66	The effect of traditional and reduced tillage systems on the sediment yield of plots constructed in the Mediterranean climate zone caused by natural rainfall. International Journal of Global Warming, 2020, 21, 393.	0.5	0