GÃ¶khan AydÄ±n

List of Publications by Year
in descending order

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Version: 2024-02-01

36 papers	1,972 citations	218677 26 h-index	414414 32 g-index
36 all docs	36 docs citations	36 times ranked	1259 citing authors

#	Article	IF	Citations
1	Mine ventilation air methane as a sustainable energy source. Renewable and Sustainable Energy Reviews, 2011, 15, 1042-1049.	16.4	165
2	Sources and mitigation of methane emissions by sectors: A critical review. Renewable Energy, 2012, 39, 40-48.	8.9	138
3	Energy consumption modeling using artificial neural networks: The case of the worldâ€™s highest consumers. Energy Sources, Part B: Economics, Planning and Policy, 2016, 11, 212-219.	3.4	115
4	The Modeling and Projection of Primary Energy Consumption by the Sources. Energy Sources, Part B: Economics, Planning and Policy, 2015, 10, 67-74.	3.4	112
5	Production Modeling in the Oil and Natural Gas Industry: An Application of Trend Analysis. Petroleum Science and Technology, 2014, 32, 555-564.	1.5	105
6	Modeling of energy consumption based on economic and demographic factors: The case of Turkey with projections. Renewable and Sustainable Energy Reviews, 2014, 35, 382-389.	16.4	100
7	The Application of Trend Analysis for Coal Demand Modeling. Energy Sources, Part B: Economics, Planning and Policy, 2015, 10, 183-191.	3.4	87
8	Analysis and Mitigation Opportunities of Methane Emissions from the Energy Sector. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2012, 34, 967-982.	2.3	86
9	An Experimental Study on the Depth of Cut of Granite in Abrasive Waterjet Cutting. Materials and Manufacturing Processes, 2012, 27, 538-544.	4.7	85
10	Regression Models for Forecasting Global Oil Production. Petroleum Science and Technology, 2015, 33, 1822-1828.	1.5	73
11	Forecasting Natural Gas Production Using Various Regression Models. Petroleum Science and Technology, 2015, 33, 1486-1492.	1.5	71
12	Evaluation of geologic storage options of CO2: Applicability, cost, storage capacity and safety. Energy Policy, 2010, 38, 5072-5080.	8.8	66
13	The Modeling of Coal-related CO₂Emissions and Projections into Future Planning. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2014, 36, 191-201.	2.3	66
14	Artificial neural network and regression models for performance prediction of abrasive waterjet in rock cutting. International Journal of Advanced Manufacturing Technology, 2014, 75, 1321-1330.	3.0	61
15	Performance of recycling abrasives in rock cutting by abrasive water jet. Journal of Central South University, 2015, 22, 1055-1061.	3.0	54
16	Prediction of the Cut Depth of Granitic Rocks Machined by Abrasive Waterjet (AWJ). Rock Mechanics and Rock Engineering, 2013, 46, 1223-1235.	5.4	53
17	Utilization of solid-cutting waste of granite as an alternative abrasive in abrasive waterjet cutting of marble. Journal of Cleaner Production, 2017, 159, 241-247.	9.3	52
18	The Development and Validation of Regression Models to Predict Energy-related CO₂Emissions in Turkey. Energy Sources, Part B: Economics, Planning and Policy, 2015, 10, 176-182.	3.4	50

#	ARTICLE	IF	CITATIONS
19	Wear Performance of Saw Blades in Processing of Granitic Rocks and Development of Models for Wear Estimation. Rock Mechanics and Rock Engineering, 2013, 46, 1559-1575.	5.4	48
20	An investigation on surface roughness of granite machined by abrasive waterjet. Bulletin of Materials Science, 2011, 34, 985-992.	1.7	46
21	An investigation on the kerf width in abrasive waterjet cutting of granitic rocks. Arabian Journal of Geosciences, 2014, 7, 2923-2932.	1.3	42
22	Investigation of the surface roughness of rocks sawn by diamond sawblades. International Journal of Rock Mechanics and Minings Sciences, 2013, 61, 171-182.	5.8	41
23	Performance Prediction of Diamond Sawblades Using Artificial Neural Network and Regression Analysis. Arabian Journal for Science and Engineering, 2015, 40, 2003-2012.	1.1	38
24	Recycling of abrasives in abrasive water jet cutting with different types of granite. Arabian Journal of Geosciences, 2014, 7, 4425-4435.	1.3	34
25	Diamond recovery from waste sawblades: A preliminary investigation. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 917-921.	2.4	31
26	Effect of abrasive type on marble cutting performance of abrasive waterjet. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	31
27	Development of Predictive Models for the Specific Energy of Circular Diamond Sawblades in the Sawing of Granitic Rocks. Rock Mechanics and Rock Engineering, 2013, 46, 767-783.	5.4	29
28	Experimental and statistical analysis of cutting force acting on diamond sawblade in sawing of granitic rocks. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 286-300.	2.4	28
29	A study on the prediction of kerf angle in abrasive waterjet machining of rocks. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 1489-1499.	2.4	24
30	Performance of Abrasive Waterjet in Granite Cutting: Influence of the Textural Properties. Journal of Materials in Civil Engineering, 2012, 24, 944-949.	2.9	22
31	Predictive modelling of noise level generated during sawing of rocks by circular diamond sawblades. Sadhana - Academy Proceedings in Engineering Sciences, 2013, 38, 491-511.	1.3	17
32	Development of Models for the Estimation of Coal-related CO2 Emissions: The Case of BRICS-T Countries. Karadeniz Fen Bilimleri Dergisi, 2020, 10, 214-229.	0.3	2
33	ENERGY CONSUMPTION MODELING BASED ON GDP: THE CASE OF TURKEY. , 2011, , .		0
34	INVESTIGATION OF SIGNIFICANT CUTTING PARAMETERS AFFECTING SURFACE ROUGHNESS OF THE ROCKS SAWN BY DISC CUTTERS. , 2013, , .		0
35	AÅžINDIRICILI SUJETÄ°YLE DOÄžALTAÅž KESMEDE GRANÄ°T ATIKLARININ AÅžINDIRICI OLARAK DEÄžERLENDÄ°RÄ°LMESÄ°. Scientific Mining Journal, 0, , 211-218.	0.4	0
36	DoÄŸaltaÅŸ Ãœretim ve Ä°ÅŸleme Tesis AtÄ±klarÄ±nÄ±n DeÄŸerlendirilmesi. ALKÃœ Fen Bilimleri Dergisi, 2020, 2, 63-77.		0