Ali Riza Motorcu

List of Publications by Year
in descending order

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26 papers	585 citations	759233 12 h-index	677142 22 g-index
26 all docs	26 docs citations	26 times ranked	450 citing authors

#	Article	IF	Citations
1	Surface roughness model for machining mild steel with coated carbide tool. Materials & Design, 2005, 26, 321-326.	5.1	130
2	Surface roughness model in machining hardened steel with cubic boron nitride cutting tool. International Journal of Refractory Metals and Hard Materials, 2008, 26, 84-90.	3.8	98
3	Statistical process control in machining, a case study for machine tool capability and process capability. Materials & Design, 2006, 27, 364-372.	5.1	40
4	The evaluation of the effects of control factors on surface roughness in the drilling of Waspaloy superalloy. Measurement: Journal of the International Measurement Confederation, 2014, 58, 394-408.	5.0	40
5	Surface Roughness Prediction Model in Machining of Carbon Steel by PVD Coated Cutting Tools. American Journal of Applied Sciences, 2004, 1, 12-17.	0.2	36
6	Optimization of machining parameters for kerf angle and roundness error in abrasive water jet drilling of CFRP composites with different fiber orientation angles. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	34
7	An investigation of the effects of cutting parameters and graphite reinforcement on quality characteristics during the drilling of Al/10B 4 C composites. Measurement: Journal of the International Measurement Confederation, 2017, 95, 395-404.	5.0	31
8	Evaluation of control parametersâ€™ effects on system performance with Taguchi method in waste heat recovery application using mechanical heat pump. International Journal of Refrigeration, 2012, 35, 795-809.	3.4	23
9	Evaluation of surface roughness and material removal rate in the wire electrical discharge machining of Al/B₄C composites via the Taguchi method. Journal of Composite Materials, 2016, 50, 2575-2586.	2.4	23
10	Investigation of the WEDM of Al/B4C/Gr reinforced hybrid composites using the Taguchi method and response surface methodology. Science and Engineering of Composite Materials, 2016, 23, 435-445.	1.4	18
11	The effects of process parameters on acceleration amplitude in the drilling of cold work tool steels. International Journal of Advanced Manufacturing Technology, 2015, 80, 1387-1401.	3.0	16
12	Single and multi-objective optimization for cutting force and surface roughness in peripheral milling of Ti6Al4V using fixed and variable helix angle tools. Journal of Manufacturing Processes, 2022, 80, 529-545.	5.9	16
13	Evaluation of drilling Al/SiC composites with cryogenically treated HSS drills. International Journal of Advanced Manufacturing Technology, 2014, 74, 1495-1505.	3.0	15
14	Study on delamination factor and surface roughness in abrasive water jet drilling of carbon fiber-reinforced polymer composites with different fiber orientation angles. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	14
15	Analysis of the cutting temperature and surface roughness during the orthogonal machining of AISI 4140 alloy steel via the Taguchi method. Materiali in Tehnologije, 2016, 50, 343-351.	0.5	11
16	Multi-objective optimization of process parameters for drilling fibermetal laminate using a hybrid GRA-PCA approach. FME Transactions, 2021, 49, 356-366.	1.4	10
17	Wire Electrical Discharge Machining of a Hybrid Composite: Evaluation of Kerf Width and Surface Roughness. UludaÄŸ University Journal of the Faculty of Engineering, 2016, 21, 245.	0.2	7
18	An experimental study on hole quality and different delamination approaches in the drilling of CARALL, a new FML composite. FME Transactions, 2021, 49, 950-961.	1.4	7

#	Article	IF	Citations
19	Evaluation of drilling Al/B4C composites with carbide drills. Pamukkale University Journal of Engineering Sciences, 2016, 22, 259-266.	0.4	6
20	Evaluation of the delamination factor for drilling of compact laminate composite material with tungsten carbide tools. Pamukkale University Journal of Engineering Sciences, 2017, 23, 427-436.	0.4	4
21	The Development of Surface Roughness Model When Turning Hardened Steel with Ceramic Cutting Tool Using Response Methodology. Multidiscipline Modeling in Materials and Structures, 2008, 4, 291-304.	1.3	2
22	Effects of control factors on operating temperatures of a mechanical heat pump in waste heat recovery: Evaluation using the Taguchi method. Thermal Science, 2018, 22, 205-222.	1.1	2
23	Prediction of Surface Roughness in the Machining of Carbon Steels by Cutting Tools. AIP Conference Proceedings, 2004, , .	0.4	1
24	NÄ°KEL ESASLI WASPALOY ALAÅžIMININ TEL EROZYON YÃ–NTEMÄ°YLE Ä°ÅžLENMESÄ°NDE TAGUCHÄ° METODU Ä°LE YÃœZEY PÃœRÃœZLÃœLÃœÄžÃœ Ä°Ã‡Ä°N OPTÄ°MUM KESME PARAMETRELERÄ°NÄ°N TAHMÄ°NÄ°. Journal of the Faculty of Engineering and Architecture of Gazi University, 2017, 32, .	0.6	1
25	Laminant Kompozitin Cep Frezelenmesinde YÃ¼zey PÃ¼rÃ¼zlÃ¼lÃ¼ÄŸÃ¼ Ve Boyutsal TamlÄ±ÄŸÄ±n DeÄŸerlendirilmesi. DÃ¼zce Ãœniversitesi Bilim Ve Teknoloji Dergisi, 2018, 6, 79-100.	0.7	0
26	Evaluation of drilling Al/B4C composites with carbide drills. Pamukkale University Journal of Engineering Sciences, 2016, 22, 259-266.	0.4	0