

Ali Riza Motorcu

List of Publications by Year in descending order

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papers

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citations

759233

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docs citations

26
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	Laminant Kompozitin Cep Frezelenmesinde Yarızye Pârâzırlâıı Ve Boyutsal Tamlâ±n Değerlendirilmesi. Dâzce Üniversitesi Bilim Ve Teknoloji Dergisi, 2018, 6, 79-100.	0.7	0
8	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
9	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
10	NÄ°KEL ESASLI WASPALLOY ALAÄİMİNİN TEL EROZYON YÄ°NTEMÄ°YLE Ä°ZLENMESÄ°NDE TAGUCHÄ° METODU Ä°LE YÄ°ZEY PÄ°RÄ°ZLÄ°LÄ°ZÄ°N OPTÄ°MUM KESME PARAMETRELERÄ°N TAHMÄ°NÄ°. Journal of the Faculty of Engineering and Architecture of Gazi University, 2017, 32, .	0.6	0
11	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
12	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
13	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
14	Wire Electrical Discharge Machining of a Hybrid Composite: Evaluation of Kerf Width and Surface Roughness. UludaÄ° University Journal of the Faculty of Engineering, 2016, 21, 245.	0.2	7
15	Evaluation of drilling Al/B4C composites with carbide drills. Pamukkale University Journal of Engineering Sciences, 2016, 22, 259-266.	0.4	6
16	Evaluation of drilling Al/B4C composites with carbide drills. Pamukkale University Journal of Engineering Sciences, 2016, 22, 259-266.	0.4	0
17	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
18	Evaluation of drilling Al/SiC composites with cryogenically treated HSS drills. International Journal of Advanced Manufacturing Technology, 2014, 74, 1495-1505.	3.0	15

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19	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
20	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
21	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
22	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
23	Statistical process control in machining, a case study for machine tool capability and process capability. Materials & Design, 2006, 27, 364-372.	5.1	40
24	Surface roughness model for machining mild steel with coated carbide tool. Materials & Design, 2005, 26, 321-326.	5.1	130
25	Prediction of Surface Roughness in the Machining of Carbon Steels by Cutting Tools. AIP Conference Proceedings, 2004, , .	0.4	1
26	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