Samy E Oraby

List of Publications by Year
in descending order

13	224	1684188 5	1372567 10
papers	citations	h-index	g-index

13	13	13	167
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tool life determination based on the measurement of wear and tool force ratio variation. International Journal of Machine Tools and Manufacture, 2004, 44, 1261-1269.	13.4	83
2	Development of models for tool wear force relationships in metal cutting. International Journal of Mechanical Sciences, 1991, 33, 125-138.	6.7	62
3	High-capacity compact three-component cutting force dynamometer. International Journal of Machine Tools and Manufacture, 1990, 30, 549-559.	13.4	30
4	Monitoring of turning operation via force signals Part 1: Recognition of different tool failure forms by spectral analysis. Wear, 1995, 184, 133-143.	3.1	15
5	A Diagnostic Approach for Turning Tool Based on the Dynamic Force Signals. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2005, 127, 463-475.	2.2	15
6	Surface topography assessment techniques based on an in-process monitoring approach of tool wear and cutting force signature. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2008, 30, .	1.6	6
7	Influence of regular and random cutting tool deformation on the cutting force of three-dimensional turning operation. International Journal of Machining and Machinability of Materials, 2013, 14, 311.	0.1	4
8	Prior Surface Integrity Assessment of Coated and Uncoated Carbide Inserts Using Atomic Force Microscopy. Materials, 2011, 4, 633-650.	2.9	3
9	Statistical and Graphical Assessment of Circumferential and Radial Hardness Variation of AISI 4140, AISI 1020 and AA 6082 Aluminum Alloy. Materials, 2012, 5, 12-26.	2.9	3
10	Determination of the Real Cutting Edge Wear Contact Area on the Tool-Workpiece Interface in the Light of Cutting Forces Variations. Applied Mechanics and Materials, 0, 325-326, 1406-1411.	0.2	1
11	On the Influence of the Speed-Feed Interaction on the Wear Rate and Life of Multiple Coated Carbide Inserts Considering Rough Turning Process. Applied Mechanics and Materials, 0, 575, 431-436.	0.2	1
12	Mathematical Modelling of the Interfacial Adhesion of Date Palm/Epoxy. Journal of Materials Science Research, 2016, 5, 29.	0.1	1
13	Tool Wear Prediction Approach for Turning Operations Based on General Regression Neural Network (GRNN) Technique. , 2004, , 161-172.		0