Susmita Roy

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10197745/publications.pdf

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11	132	1684188 5	1372567 10
papers	citations	h-index	g-index

11	11	11	157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An appliance of adaptive Neuro-Fuzzy inference system for predicting the surface roughness of Al-4.5%Cu-TiC MMC in turning operation of CNC milling. Materials Today: Proceedings, 2022, 62, 3749-3755.	1.8	1
2	Multiobjective optimization of in situ process parameters in preparation of Al-4.5%Cuâ€“TiC MMC using a grey relation based teachingâ€“learning-based optimization algorithm. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2018, 232, 393-407.	2.5	8
3	Numerical Solution of First-Order Linear Differential Equations in Fuzzy Environment by Runge-Kutta-Fehlberg Method and Its Application. International Journal of Differential Equations, 2016, 2016, 1-14.	0.8	7
4	Application of fuzzy technique for order preference by similarity to ideal solution in computer numerical control end milling of in-situ Al-4.5%Cu-TiC metal matrix composite. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 1600-1613.	2.4	1
5	Effect of in-situ processing parameters on microstructure and mechanical properties of TiC particulate reinforced Alâ€“4.5Cu alloy MMC fabricated by stir-casting technique â€“ Optimization using grey based differential evolution algorithm. Measurement: Journal of the International Measurement Confederation, 2016, 93, 397-408.	5.0	19
6	Development of an in-situ synthesized multi-component reinforced Alâ€“4.5%Cuâ€“TiC metal matrix composite by FAS technique â€“ Optimization of process parameters. Engineering Science and Technology, an International Journal, 2016, 19, 279-291.	3.2	7
7	Application of grey fuzzy logic for the optimization of CNC milling parameters for Alâ€“4.5%Cuâ€“TiC MMCs with multi-performance characteristics. Engineering Science and Technology, an International Journal, 2016, 19, 857-865.	3.2	32
8	Study on machinability of in situ Alâ€“4.5%Cuâ€“TiC metal matrix composite-surface finish, cutting force prediction using ANN. CIRP Journal of Manufacturing Science and Technology, 2016, 12, 67-78.	4.5	27
9	Studies on Effect of Cutting Parameters on Surface Roughness of Al-Cu-TiC MMCs: An Artificial Neural Network Approach. Procedia Computer Science, 2015, 45, 745-752.	2.0	26
10	Application of Fuzzy-Rough Oscillation on the Field of Data Mining (Special Attention to the Crime) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.0	1
11	Surface Roughness of Al - 5Cu Alloy using a Taguchi - Fuzzy Based Approach. Journal of Engineering Science and Technology Review, 2014, 7, 217-222.	0.4	3