

# Susmita Roy

## List of Publications by Year in descending order

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

Version: 2024-02-01

11  
papers

132  
citations

1684188

5  
h-index

1372567

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of grey fuzzy logic for the optimization of CNC milling parameters for Al-4.5%Cu-TiC MMCs with multi-performance characteristics. Engineering Science and Technology, an International Journal, 2016, 19, 857-865.	3.2	32
2	Study on machinability of in situ Al-4.5%Cu-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
3	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
4	Effect of in-situ processing parameters on microstructure and mechanical properties of TiC particulate reinforced Al-4.5Cu alloy MMC fabricated by stir-casting technique – Optimization using grey based differential evolution algorithm. Measurement: Journal of the International Measurement Confederation, 2016, 93, 397-408.	5.0	19
5	Multiobjective optimization of in situ process parameters in preparation of Al-4.5%Cu-TiC MMC using a grey relation based teaching-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
6	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
7	Development of an in-situ synthesized multi-component reinforced Al-4.5%Cu-TiC metal matrix composite by FAS technique – Optimization of process parameters. Engineering Science and Technology, an International Journal, 2016, 19, 279-291.	3.2	7
8	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
9	Application of Fuzzy-Rough Oscillation on the Field of Data Mining (Special Attention to the Crime) Tj ETQq1 1 0.784314 rgBT /Overlo	2.0	1
10	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
11	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