

# Pravat Ranjan Pati

## List of Publications by Year in descending order

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26  
papers

262  
citations

1040056

9  
h-index

996975

15  
g-index

26  
all docs

26  
docs citations

26  
times ranked

166  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on red brick dust filled epoxy composites using ant lion optimization approach. <i>Polymer Composites</i> , 2019, 40, 3877-3885.	4.6	33
2	Prediction and simulation of wear response of Linzâ€“Donawitz (LD) slag filled glassâ€“epoxy composites using neural computation. <i>Polymers for Advanced Technologies</i> , 2015, 26, 121-127.	3.2	32
3	A Study on Processing, Characterization and Erosion Wear Response of Linzâ€“Donawitz Slag Filled Epoxy Composites. <i>Advances in Polymer Technology</i> , 2015, 34, .	1.7	28
4	Prediction and wear performance of red brick dust filled glassâ€“epoxy composites using neural networks. <i>International Journal of Plastics Technology</i> , 2019, 23, 253-260.	3.1	21
5	Processing, characterization and erosion wear response of Linz-Donawitz (LD) slag filled polypropylene composites. <i>Journal of Thermoplastic Composite Materials</i> , 2016, 29, 1282-1296.	4.2	20
6	Development of wear resistant coatings using LD slag premixed with Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Material Cycles and Waste Management</i> , 2015, 17, 135-143.	3.0	18
7	Industrial waste filled polymer composites â€“ A review. <i>Materials Today: Proceedings</i> , 2021, 47, 2852-2863.	1.8	17
8	Experimental investigation on Linzâ€“Donawitz slag filled polypropylene composites using teachingâ€“learning based optimization approach. <i>Polymer Composites</i> , 2018, 39, 3944-3951.	4.6	16
9	Triboperformance Analysis of Coatings of LD Slag Premixed with TiO <sub>2</sub> Using Experimental Design and ANN. <i>Tribology Transactions</i> , 2015, 58, 349-356.	2.0	13
10	Influence of filler content and surface modification on physical and mechanical properties of epoxy/walnut shell particulate composites. <i>Journal of Adhesion Science and Technology</i> , 2023, 37, 1215-1232.	2.6	11
11	Effect of process parameters on sliding wear performance of red brick dust-filled glassâ€“epoxy composites. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2022, 236, 1846-1854.	1.8	9
12	Polymer composites for thermal applications â€“ A review. <i>Materials Today: Proceedings</i> , 2021, 47, 2839-2845.	1.8	9
13	Characterization of glass-epoxy composites using red brick dust particles. <i>Materials Today: Proceedings</i> , 2019, 18, 3775-3779.	1.8	7
14	Ultrasonic spot welding of Al-Cu sheets: A comprehensive study. <i>Materials Today: Proceedings</i> , 2020, 33, 5168-5173.	1.8	7
15	Processing and Characterization of Glass-epoxy Composites Filled with Linz-donawitz (LD) Slag. <i>Universal Journal of Mechanical Engineering</i> , 2015, 3, 7-11.	0.6	6
16	Exploration of tribological estimation on alumina reinforced polymer mixtures evaluated by ANOVA approach. <i>Materials Today: Proceedings</i> , 2022, 62, 3038-3043.	1.8	5
17	A Study on Tribological Behavior of Linz-Donawitz Slag Filled Polypropylene Composites Using Experimental Design and Neural Networks. , 2017, , .		3
18	Ultrasonic spot welding of Al/Mg alloys: A state-of-the-art review. <i>Materials Today: Proceedings</i> , 2020, 33, 4981-4987.	1.8	3

#	ARTICLE	IF	CITATIONS
19	Development of Plasma Spray Coatings Using Linz-Donawitz (LD) Slag Particles. , 2015, , .		1
20	Dissimilar joining of Al/SS sheets with interlayers by ultrasonic spot Welding: Microstructure and mechanical properties. Materials Today: Proceedings, 2020, 26, 1757-1760.	1.8	1
21	A Study on Coatability of Linz-Donawitz (LD) Slag by Plasma Spraying Route. , 2013, , .		1
22	Dry sliding wear behavior of LD slag filled epoxy composites using Experimental Design. IOP Conference Series: Materials Science and Engineering, 2019, 653, 012007.	0.6	1
23	Erosion Wear Response of Linz-Donawitz Slag Coatings: Parametric Appraisal and Prediction Using Imperialist Competitive Algorithm and Neural Computation. SAE International Journal of Materials and Manufacturing, 2019, 12, .	0.3	0
24	Experimental investigations on interfacial characterization and mechanical performance of ultrasonic spot welded Al/brass joints. Materials Today: Proceedings, 2020, 26, 1761-1765.	1.8	0
25	Processing and Characterization of Plasma Sprayed LD Slag Coatings on Mild Steel Substrate. Lecture Notes in Mechanical Engineering, 2021, , 699-705.	0.4	0
26	Optimizing wear analysis of plasma sprayed Linz-Donawitz slag-Al <sub>2</sub> O <sub>3</sub> coatings using experimental design and neural network. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 0, , 135065012211065.	1.8	0