

Srinivas Nunna

List of Publications by Year in descending order

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13
papers

906
citations

840776

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1125743

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13
docs citations

13
times ranked

966
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on mechanical behavior of natural fiber based hybrid composites. Journal of Reinforced Plastics and Composites, 2012, 31, 759-769.	3.1	238
2	PAN precursor fabrication, applications and thermal stabilization process in carbon fiber production: Experimental and mathematical modelling. Progress in Materials Science, 2020, 107, 100575.	32.8	168
3	Structural transformation of polyacrylonitrile fibers during stabilization and low temperature carbonization. Polymer Degradation and Stability, 2016, 128, 39-45.	5.8	98
4	Investigation of progress of reactions and evolution of radial heterogeneity in the initial stage of thermal stabilization of PAN precursor fibres. Polymer Degradation and Stability, 2016, 125, 105-114.	5.8	62
5	Evolution of radial heterogeneity in polyacrylonitrile fibres during thermal stabilization: An overview. Polymer Degradation and Stability, 2017, 136, 20-30.	5.8	60
6	Development of a cost model for the production of carbon fibres. Heliyon, 2019, 5, e02698.	3.2	53
7	Using ionic liquids to reduce energy consumption for carbon fibre production. Journal of Materials Chemistry A, 2016, 4, 16619-16626.	10.3	48
8	Time Dependent Structure and Property Evolution in Fibres during Continuous Carbon Fibre Manufacturing. Materials, 2019, 12, 1069.	2.9	43
9	The effect of thermally induced chemical transformations on the structure and properties of carbon fibre precursors. Journal of Materials Chemistry A, 2017, 5, 7372-7382.	10.3	40
10	Radial structure and property relationship in the thermal stabilization of PAN precursor fibres. Polymer Testing, 2017, 59, 203-211.	4.8	37
11	The Role of Tension and Temperature for Efficient Carbonization of Polyacrylonitrile Fibers: Toward Low Cost Carbon Fibers. Industrial & Engineering Chemistry Research, 2018, 57, 4268-4276.	3.7	36
12	A Pathway to Reduce Energy Consumption in the Thermal Stabilization Process of Carbon Fiber Production. Energies, 2018, 11, 1145.	3.1	13
13	Gas Emission Study of the Polyacrylonitrile-Based Continuous Pilot-Scale Carbon Fiber Manufacturing Process. Industrial & Engineering Chemistry Research, 2021, 60, 17379-17389.	3.7	10