

Natchimuthu N

List of Publications by Year in descending order

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13
papers

178
citations

1307594

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1125743

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docs citations

13
times ranked

195
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete replacement of carbon black filler in rubber sole with CaO embedded activated carbon derived from tannery solid waste. Journal of Cleaner Production, 2018, 170, 446-450.	9.3	39
2	Vulcanization characteristics and mechanical properties of natural rubber-scrap rubber compositions filled with leather particles. Polymer International, 2005, 54, 553-559.	3.1	30
3	pH and temperature responsive hydrogels of poly(2-acrylamido-2-methyl-1-propanesulfonic) - Pure and Applied Chemistry, 2016, 53, 492-499.	2.2	30
4	Interpenetrating polymer networks of cellulose nitrate and castor oil based polyurethanes development and characterization. Journal of Applied Polymer Science, 1990, 41, 3059-3068.	2.6	29
5	AFM Studies on Silica Dispersion in EPDM Rubber. Rubber Chemistry and Technology, 2010, 83, 123-132.	1.2	12
6	Vulcanization characteristics and mechanical properties of nitrile rubber filled with short leather fibres. Polymer International, 1994, 33, 329-333.	3.1	11
7	Hydrogels based on starch-poly(sodium acrylamido-methyl-propane sulfonate-methacrylic acid) as controlled drug delivery systems. Starch/Staerke, 2017, 69, 1600177.	2.1	8
8	Cellulose nitrate-poly(vinyl chloride-co-vinyl acetate)-polyurethane ternary IPNs: FT-IR and morphological studies. Journal of Applied Polymer Science, 1992, 44, 981-986.	2.6	7
9	Decrystallization of cellulose under the influence of elastomer-assisted mechanical and mechanochemical shear. Bulletin of Materials Science, 2019, 42, 1.	1.7	5
10	Hydrogels of sodium alginate based copolymers grafted with sodium-2-acrylamido-2-methyl-1-propane sulfonate and methacrylic acid for controlled drug delivery applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2018, 55, 168-175.	2.2	3
11	Evaluation of performance properties of poly(styrene-butadiene) rubber reinforced with N,N-Dimethylacetamide/lithium chloride treated precipitated silica. Journal of Applied Polymer Science, 2022, 139, .	2.6	2
12	Shear-induced morphology changes in N,N-Dimethylacetamide/lithium chloride pretreated cellulose. Journal of Applied Polymer Science, 2017, 134, .	2.6	1
13	Dispersion and vulcanization characteristics of nitrile rubber reinforced with N,N-Dimethylacetamide/lithium chloride treated silica. Journal of Applied Polymer Science, 2021, 138, 50611.	2.6	1