

Dinesh Kumar Kotnees

List of Publications by Year in descending order

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15
papers

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citations

840776

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274
citing authors

#	ARTICLE	IF	CITATIONS
1	Unique approach to debundle carbon nanotubes in polymer matrix using carbon dots for enhanced properties. <i>European Polymer Journal</i> , 2020, 123, 109454.	5.4	15
2	Unique Compatibilized Thermoplastic Elastomer with High Strength and Remarkable Ductility: Effect of Multiple Point Interactions within a Rubber-Plastic Blend. <i>ACS Omega</i> , 2020, 5, 12789-12808.	3.5	10
3	Carbon dots: Fluorescence active, covalently conjugated and strong reinforcing nanofiller for polymer latex. <i>Nano Structures Nano Objects</i> , 2020, 23, 100477.	3.5	19
4	Unique compatibilized thermoplastic elastomer from polypropylene and epichlorohydrin rubber. <i>Polymer</i> , 2019, 183, 121866.	3.8	22
5	Remarkable synergetic effect by in-situ covalent hybridization of carbon dots with graphene oxide and carboxylated acrylonitrile butadiene rubber. <i>Polymer</i> , 2019, 175, 283-293.	3.8	17
6	Unique behavior of in-situ generated nanosilica particles on physico-mechanical properties of fluoroelastomer. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	2
7	Catalyst driven preferential growth of in-situ generated nanosilica particles in the phases of incompatible polymer blend and its effect on physico-mechanical properties. <i>Polymer</i> , 2018, 156, 186-202.	3.8	4
8	Selective Orientation of Needlelike Sepiolite Nanoclay in Polymer Blend for Controlled Properties. <i>ACS Omega</i> , 2018, 3, 11691-11702.	3.5	8
9	Carbon dot “ Unique reinforcing filler for polymer with special reference to physico-mechanical properties. <i>Polymer</i> , 2017, 112, 189-200.	3.8	32
10	Preferentially fixing nanoclays in the phases of incompatible carboxylated nitrile rubber (XNBR)-natural rubber (NR) blend using thermodynamic approach and its effect on physico mechanical properties. <i>Polymer</i> , 2016, 99, 21-43.	3.8	31
11	Interplay between bulk viscoelasticity and surface energy in autohesive tack of rubber-tackifier blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 972-982.	2.1	15
12	Highly transparent thermoplastic elastomer from isotactic polypropylene and styrene/ethylene-butylene/styrene triblock copolymer: Structure-property correlations. <i>Polymer Engineering and Science</i> , 2010, 50, 331-341.	3.1	34
13	Elegant Way of Strengthening Polymer-Polymer Interface Using Nanoclay. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2933-2943.	8.0	15
14	Unique Tackification Behavior of Needle-like Sepiolite Nanoclay in Brominated Isobutylene-co-p-methylstyrene (BIMS) Rubber. <i>Macromolecules</i> , 2010, 43, 4184-4193.	4.8	52
15	Influence of Aging on Autohesive Tack of Brominated Isobutylene-co-p-methylstyrene (BIMS) Rubber in the Presence of Phenolic Resin Tackifier. <i>Journal of Adhesion</i> , 2008, 84, 764-787.	3.0	11