Deepak Srivastava

List of Publications by Year
in descending order

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55 papers	1,206 citations	361296 20 h-index	395590 33 g-index
55 all docs	55 docs citations	55 times ranked	846 citing authors

#	Article	IF	Citations
1	Effect of carboxyl-terminated poly(butadiene-co-acrylonitrile) (CTBN) concentration on thermal and mechanical properties of binary blends of diglycidyl ether of bisphenol-A (DGEBA) epoxy resin. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 443, 262-269.	2.6	172
2	Studies on the synthesis and curing of epoxidized novolac vinyl ester resin from renewable resource material. European Polymer Journal, 2010, 46, 2019-2032.	2.6	92
3	Studies on the blends of cardanol-based epoxidized novolac type phenolic resin and carboxyl-terminated polybutadiene (CTPB), I. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 458, 336-347.	2.6	70
4	Studies on the physico-mechanical and thermal characteristics of blends of DGEBA epoxy, 3,4 epoxy cyclohexylmethyl, 3â€²,4â€²-epoxycylohexane carboxylate and carboxyl terminated butadiene co-acrylonitrile (CTBN). Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 496, 483-493.	2.6	68
5	Process modeling, optimization and analysis of esterification reaction of cashew nut shell liquid (CNSL)-derived epoxy resin using response surface methodology. Journal of Hazardous Materials, 2011, 185, 1198-1204.	6.5	63
6	Cardanol-based novolac-type phenolic resins. I. A kinetic approach. Journal of Applied Polymer Science, 2006, 102, 2730-2737.	1.3	47
7	Laminates based on vinyl ester resin and glass fabric: A study on the thermal, mechanical and morphological characteristics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4560-4570.	2.6	40
8	Cure kinetics of ternary blends of epoxy resins studied by nonisothermal DSC data. Journal of Applied Polymer Science, 2009, 112, 3119-3126.	1.3	37
9	Modeling and simulation of curing kinetics for the cardanol-based vinyl ester resin by means of non-isothermal DSC measurements. Materials Chemistry and Physics, 2012, 132, 180-186.	2.0	36
10	Optimization of the process variables for the synthesis of cardanol-based novolac-type phenolic resin using response surface methodology. European Polymer Journal, 2007, 43, 3531-3537.	2.6	33
11	Kinetics of the acid-catalyzed cardanolâ€“formaldehyde reactions. Materials Chemistry and Physics, 2007, 106, 74-81.	2.0	32
12	Synthesis and properties of cardanolâ€based epoxidized novolac resins modified with carboxylâ€terminated butadieneâ€“acrylonitrile copolymer. Journal of Applied Polymer Science, 2009, 114, 1670-1681.	1.3	31
13	Studies on synthesis of modified epoxidized novolac resin from renewable resource material for application in surface coating. Journal of Applied Polymer Science, 2009, 114, 1471-1484.	1.3	30
14	Blends of modified epoxy resin and carboxyl-terminated polybutadiene. I. Journal of Applied Polymer Science, 2006, 100, 1802-1808.	1.3	29
15	Studies on the blends of cardanol-based epoxidized novolac resin and CTPB. European Polymer Journal, 2007, 43, 2422-2432.	2.6	28
16	Effect of glycidyl methacrylate (GMA) content on thermal and mechanical properties of ternary blend systems based on cardanol-based vinyl ester resin, styrene and glycidyl methacrylate. Progress in Organic Coatings, 2014, 77, 1208-1220.	1.9	24
17	Toughened cycloaliphatic epoxy resin for demanding thermal applications and surface coatings. Journal of Applied Polymer Science, 2009, 114, 2769-2776.	1.3	22
18	Studies on the process variables of the condensation reaction of cardanol and formaldehyde by response surface methodology. European Polymer Journal, 2009, 45, 946-952.	2.6	22

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19	Blends of cardanol-based epoxidized novolac resin and CTBN for application in surface coating: a study on thermal, mechanical, chemical, and morphological characteristics. Journal of Coatings Technology Research, 2010, 7, 557-568.	1.2	22
20	Mechanical, chemical, and curing characteristics of cardanolâ€“furfural-based novolac resin for application in green coatings. Journal of Coatings Technology Research, 2015, 12, 303-311.	1.2	22
21	Studies on the structural changes during curing of epoxy and its blend with CTBN. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 99-105.	2.0	19
22	Studies on the effect of concentration of formaldehyde on the synthesis of resole-type epoxidized phenolic resin from renewable resource material. Designed Monomers and Polymers, 2014, 17, 69-77.	0.7	17
23	Synthesis, Spectral and Thermal Degradation Kinetics of the Epoxidized Resole Resin Derived from Cardanol. Advances in Polymer Technology, 2015, 34, .	0.8	17
24	Effect of carboxylâ€terminated butadiene acrylonitrile copolymer concentration on mechanical and morphological features of binary blends of nonglycidylâ€type epoxy resins. Advances in Polymer Technology, 2007, 26, 258-271.	0.8	16
25	Studies on the Thermal, Mechanical and Chemical Resistance Properties of Natural Resource Derived Polymers. Materials Research, 2015, 18, 1217-1223.	0.6	15
26	A study on the kinetics of condensation reaction of cardanol and formaldehyde, part I. International Journal of Chemical Kinetics, 2009, 41, 559-572.	1.0	14
27	Studies on blends of cycloaliphatic epoxy resin with varying concentrations of carboxyl terminated butadiene acrylonitrile copolymer I: Thermal and morphological properties. Bulletin of Materials Science, 2009, 32, 199-204.	0.8	14
28	Physical and chemical toughening of cardanol-based vinyl ester resin using CTBN: A study on spectral, thermal and morphological characteristics. Progress in Organic Coatings, 2015, 78, 307-317.	1.9	13
29	Preparation and Thermo-Mechanical Characterization of Novel Epoxy Resins Using Renewable Resource Materials. Journal of Polymers and the Environment, 2015, 23, 283-293.	2.4	12
30	Studies on cardanol-based epoxidized novolac resin and its blends. Chemistry and Chemical Technology, 2008, 2, 173-184.	0.2	12
31	Kinetic modeling of esterification of cardanolâ€based epoxy resin in the presence of triphenylphosphine for producing vinyl ester resin: Mechanistic rate equation. Journal of Applied Polymer Science, 2010, 118, 1979-1989.	1.3	10
32	Degradation Kinetics of Resole-Modified Epoxy. I. Journal of Macromolecular Science - Pure and Applied Chemistry, 1997, 34, 59-66.	1.2	9
33	Optimization studies of blend composition and ageing parameters for making LDPE/HDPE/LLDPE films by response surface methodology. Macromolecular Materials and Engineering, 2000, 283, 81-87.	1.7	9
34	Study on the Effect of Carboxyl Terminated Butadiene Acrylonitrile (CTBN) Copolymer Concentration on the Decomposition Kinetics Parameters of Blends of Glycidyl Epoxy and Non-Glycidyl Epoxy Resin. International Journal of Organic Chemistry, 2011, 01, 105-112.	0.3	9
35	The effect of CTBN concentrations on the kinetic parameters of decomposition of blends of cardanolâ€based epoxidized novolac resin modified with carboxylâ€terminated liquid copolymer. Journal of Applied Polymer Science, 2009, 114, 1694-1701.	1.3	8
36	A Study on the Influence of the Temperature on the Formation of Cardanolâ€Based Phenolic Resin. International Journal of Chemical Kinetics, 2013, 45, 469-476.	1.0	8

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37	Studies on Mechanical and Thermal Properties of Ternary Blends of Polyethylenes Having Fixed Percentage of High-Density Polyethyleneâ€"II. Polymer-Plastics Technology and Engineering, 2006, 45, 879-883.	1.9	7
38	The Himalayan cryosphere: past and present variability of the â€˜third poleâ€™. Geological Society Special Publication, 2018, 462, 1-6.	0.8	7
39	Epoxy/Fly ash from Indian soil Chulha/nano <scp>CaCO₃</scp> nanocomposite: Studies on mechanical and thermal properties. Polymer Composites, 2020, 41, 3237-3249.	2.3	7
40	OPTIMIZATION STUDIES ON THE DEVELOPMENT OF METHYLMETHACRYLATE (MMA)-GRAFTED NYLON-6 FIBERS WITH HIGH PERCENTAGE GRAFTING. Journal of Polymer Engineering, 2002, 22, .	0.6	6
41	Studies on mechanical and thermal properties of ternary blends of polyethylenes. I. Journal of Applied Polymer Science, 2005, 96, 1691-1698.	1.3	6
42	The effect of orientation of various phenols on the degradation kinetics of blends of resole and epoxy. Journal of Applied Polymer Science, 2006, 102, 4171-4176.	1.3	6
43	The Effect of CTBN Concentrations on the Kinetic Parameters of Decomposition of Blends of Epoxy Resins Modified with Carboxyl-Terminated Liquid Copolymer. Journal of Polymers and the Environment, 2011, 19, 950-956.	2.4	6
44	STUDY OF DEGRADATION KINETICS OF BLENDS OF EPOXY AND RESOLE: A STATISTICAL APPROACH. Materials and Manufacturing Processes, 2001, 16, 281-289.	2.7	5
45	AGING CHARACTERISTICS OF TERNARY BLENDS OF POLYETHYLENES. I. Materials and Manufacturing Processes, 2001, 16, 419-425.	2.7	5
46	Ternary Blended Polyethylene Films: A Study on Its Mechanical and Thermal Properties. Polymer-Plastics Technology and Engineering, 2003, 42, 229-237.	1.9	5
47	A study on the kinetics of condensation reaction of phenolâ€modified cardanolâ€"formaldehyde resin. International Journal of Chemical Kinetics, 2010, 42, 380-389.	1.0	5
48	Compatibility, thermal, mechanical and morphological properties of cardanol based epoxidized resin modified with liquid rubber. International Journal of Plastics Technology, 2014, 18, 27-48.	2.9	5
49	Kinetics of Fullerene (C60) Inhibition in Polymerization of Methyl Acrylate using Bismuthonium Ylide and Bismuthonium Ylide-Mercuric Chloride Complex as Initiators. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 595-606.	1.2	4
50	Simulation of the thermal degradation and curing kinetics of fly ash reinforced diglycidyl ether bisphenol A composite. Journal of the Indian Chemical Society, 2021, 98, 100077.	1.3	4
51	Decomposition behavior of vinyl ester resins prepared in presence of tertiary amines. Polymer-Plastics Technology and Engineering, 2002, 41, 327-340.	1.9	2
52	Kinetics of Fullerene (C60) Inhibition in Polymerization of Vinyl Acetate (VA) Using Bismuthonium Ylide as Initiator. Designed Monomers and Polymers, 2012, 15, 311-328.	0.7	2
53	Microwave-assisted synthesis and characterization of resole-type phenolic resins. High Performance Polymers, 2015, 27, 19-30.	0.8	2
54	Studies on the effect of curing agent concentration and type of phenol on various physico-chemical properties of resole and epoxy blends. Journal of Applied Polymer Science, 2008, 110, 3812-3819.	1.3	0

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55	Thermal and mechanical characterization of alumina modified multifunctional novolac epoxy nanocomposites. Polymers and Polymer Composites, 2022, 30, 096739112210818.	1.0	0