

Cp Reghunadhan Nair

List of Publications by Year in descending order

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56
papers

1,725
citations

279798

23
h-index

276875

41
g-index

56
all docs

56
docs citations

56
times ranked

1370
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in shape memory epoxy resins. <i>Reactive and Functional Polymers</i> , 2013, 73, 421-430.	4.1	148
2	Investigations on the cure chemistry and polymer properties of benzoxazine-cyanate ester blends. <i>European Polymer Journal</i> , 2009, 45, 494-502.	5.4	134
3	Bis allyl benzoxazine: Synthesis, polymerisation and polymer properties. <i>European Polymer Journal</i> , 2007, 43, 2504-2514.	5.4	113
4	Benzoxazine-bismaleimide blends: Curing and thermal properties. <i>European Polymer Journal</i> , 2007, 43, 5084-5096.	5.4	105
5	Flame and thermal resistance of phosphorus-functionalized poly(methyl methacrylate) and polystyrene. <i>Polymer Degradation and Stability</i> , 1989, 26, 305-331.	5.8	85
6	Shape memory polymers based on cyanate ester-epoxy-poly (tetramethyleneoxide) co-reacted system. <i>European Polymer Journal</i> , 2012, 48, 499-511.	5.4	81
7	Effect of nanoclay on the mechanical, dynamic mechanical and thermal properties of cyanate ester syntactic foams. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 5435-5443.	5.6	80
8	Thermal characteristics of addition-cure phenolic resins. <i>Polymer Degradation and Stability</i> , 2001, 73, 251-257.	5.8	73
9	Kinetics of Alder-ene reaction of Tris(2-allylphenoxy)triphenoxycyclotriphosphazene and bismaleimides a DSC study. <i>Thermochimica Acta</i> , 2001, 374, 159-169.	2.7	62
10	Mechanistic and kinetic aspects of the curing of phthalonitrile monomers in the presence of propargyl groups. <i>Polymer</i> , 2015, 60, 308-317.	3.8	56
11	Rheokinetic investigations on the thermal polymerization of benzoxazine monomer. <i>Thermochimica Acta</i> , 2006, 441, 150-155.	2.7	44
12	Copolymerization of acrylonitrile with itaconic acid in dimethylformamide: effect of triethylamine. <i>European Polymer Journal</i> , 2003, 39, 537-544.	5.4	43
13	High char-yielding poly[acrylonitrile-co -(itaconic acid)-co -(methyl acrylate)]: synthesis and properties. <i>Polymer International</i> , 2005, 54, 1110-1118.	3.1	43
14	Solvent and kinetic penultimate unit effects in the copolymerization of acrylonitrile with itaconic acid. <i>European Polymer Journal</i> , 2002, 38, 2003-2010.	5.4	42
15	Hydroxyl terminated PEEK-toughened epoxy-amino novolac phthalonitrile blends Synthesis, cure studies and adhesive properties. <i>Polymer</i> , 2014, 55, 6006-6016.	3.8	41
16	End-functionalized thermoplastic-toughened phthalonitrile composites: influence on cure reaction and mechanical and thermal properties. <i>Polymer International</i> , 2015, 64, 146-153.	3.1	40
17	High transition temperature shape memory polymers (SMPs) by telechelic oligomer approach. <i>Reactive and Functional Polymers</i> , 2014, 78, 7-13.	4.1	39
18	One component propargyl phthalonitrile novolac: Synthesis and characterization. <i>European Polymer Journal</i> , 2015, 71, 389-400.	5.4	38

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19	Thermal decomposition characteristics of Alder-ene adduct of diallyl bisphenol A novolac with bismaleimide: effect of stoichiometry, novolac molar mass and bismaleimide structure. <i>European Polymer Journal</i> , 2002, 38, 503-510.	5.4	35
20	Poly(urethane-oxazolidone): Synthesis, characterisation and shape memory properties. <i>European Polymer Journal</i> , 2007, 43, 3629-3637.	5.4	34
21	Differential scanning calorimetric study on the Claisen rearrangement and thermal polymerisation of diallyl ether of bisphenols. <i>Thermochimica Acta</i> , 2000, 359, 61-67.	2.7	33
22	Addition curable phenolic resins based on ethynyl phenyl azo functional novolac. <i>Polymer</i> , 2002, 43, 2609-2617.	3.8	28
23	Shape Memory Polymers (SMPs) derived from phenolic cross-linked epoxy resin via click chemistry. <i>Materials Letters</i> , 2013, 99, 101-104.	2.6	28
24	Polyether triazoles: An effective binder for "green" gas generator solid propellants. <i>Polymer</i> , 2016, 92, 201-209.	3.8	22
25	Pendant cyanate functional vinyl polymers and imido-phenolic-triazines thereof: synthesis and thermal properties. <i>European Polymer Journal</i> , 2000, 36, 1195-1208.	5.4	20
26	Effects of solvent and temperature on the copolymerizations of 2-acryloyloxyethyl diethyl phosphate with methyl methacrylate and styrene. <i>European Polymer Journal</i> , 1989, 25, 251-257.	5.4	19
27	Click polymerizations: Encouraging route for shape memory polymers. <i>Materials Letters</i> , 2016, 172, 216-221.	2.6	19
28	Low-Density Phenolic Syntactic Foams: Processing and Properties. <i>Frontiers in Forests and Global Change</i> , 2007, 26, 229-244.	1.1	17
29	Rheological cure characterization of phosphazene-triazine polymers. <i>Journal of Applied Polymer Science</i> , 2003, 88, 908-914.	2.6	16
30	Syntactic Foams. , 2014, , 511-554.		15
31	Imido-phenolic-triazine network polymers derived from maleimide-functional novolac. <i>European Polymer Journal</i> , 2001, 37, 315-321.	5.4	14
32	Alder-ene polymers derived from allyl aralkyl phenolic resin and bismaleimides: carbon fiber composites properties. <i>Polymers for Advanced Technologies</i> , 2016, 27, 984-992.	3.2	14
33	Dilute solution viscosity properties of high molar mass poly(acrylonitrile-co-itaconic acid). <i>Polymer International</i> , 2003, 52, 1519-1526.	3.1	13
34	Kinetics of Zinc Octoate/Nonylphenol Catalysed Thermal Cure of Bisphenol a Dicyanate. <i>Polymers and Polymer Composites</i> , 2001, 9, 531-539.	1.9	12
35	Maleimide-Based Alder-Enes. , 2014, , 459-510.		11
36	Polybutadiene crosslinked by 1,3-dipolar cycloaddition: Pyrolysis mechanism, DFT studies and propellant burning rate characteristics. <i>Combustion and Flame</i> , 2016, 167, 380-391.	5.2	11

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37	Dual Cure Phenol - Epoxy Resins: Characterisation and Properties. <i>Polymers and Polymer Composites</i> , 2003, 11, 551-558.	1.9	10
38	Tensile and Flexural Properties of Glass-Fibre-Reinforced Cyanate Ester Syntactic Foams. <i>Polymers and Polymer Composites</i> , 2008, 16, 431-438.	1.9	10
39	Room temperature processable heat-resistant epoxy-oxazolidone-based syntactic foams. <i>Polymers for Advanced Technologies</i> , 2018, 29, 121-129.	3.2	10
40	Polybenzoxazine "new generation phenolics. , 2014, , 45-73.		9
41	Polytriazole-based shape memory composite by Huisgen 1, 3 dipolar polycycloaddition reaction. <i>Materials Letters</i> , 2014, 137, 315-318.	2.6	9
42	High-Temperature Adhesives Based on Alder-ene Reaction of Diallyl Bisphenol a Novolac and Bismaleimide: Effect of BMI Structure and Novolac Molar Mass. <i>Polymers and Polymer Composites</i> , 2003, 11, 311-320.	1.9	7
43	Effect of oxalic acid on the rheological properties of dope solution of poly[acrylonitrile-co-(methyl Tj ETQq1 1 0.784314 rgBT ₆ /Overlook	3.1	6
44	Polyphthalonitrile resins and their high-end applications. , 2018, , 577-619.		6
45	H-bonded polytriazoles: Synthesis and thermoresponsive shape memory properties. <i>European Polymer Journal</i> , 2017, 91, 176-186.	5.4	5
46	Phosphazene-Triazine Polymers by Alder-ene Reaction. <i>Polymers and Polymer Composites</i> , 2004, 12, 55-62.	1.9	4
47	On the Processing and Compressive Properties of Cellular Foams of Cyanate Ester. <i>Frontiers in Forests and Global Change</i> , 2009, 28, 193-205.	1.1	4
48	Dual-Cure Propargyl Novolac-Epoxy Resins: Synthesis and Properties. <i>Polymers and Polymer Composites</i> , 2004, 12, 43-53.	1.9	3
49	One-component novel allyl "maleimide Alder ene resins: synthesis, curing, and thermal properties. <i>Designed Monomers and Polymers</i> , 2015, 18, 210-221.	1.6	3
50	Synthetic applications of click chemistry in thermosetting block and graft polymers. , 2022, , 931-952.		3
51	Thermosetting polymer based syntactic foams: an overview. , 2022, , 801-832.		3
52	Cyclomatrix Phosphazene Polymers via Alder-ene Reactions. <i>Polymers and Polymer Composites</i> , 2002, 10, 457-466.	1.9	2
53	Comparative Rheological Properties of Dope Solutions of High Molar-Mass Poly(acrylonitrile-co-itaconic acid) and Poly(acrylonitrile-co-methylacrylate-co-itaconic acid). <i>Polymers and Polymer Composites</i> , 2004, 12, 667-677.	1.9	2
54	Bismaleimide Modified Epoxy-Diallylbisphenol System " Effect of Bismaleimide Nature on Properties. <i>Polymers and Polymer Composites</i> , 2009, 17, 141-149.	1.9	1

#	ARTICLE	IF	CITATIONS
55	Maleimide based Alder-ene thermosets: recent advances. , 2022, , 619-657.		0
56	Phenolic syntactic foams: Low-density composites for structural and thermostructural applications. Frontiers in Forests and Global Change, 0, , 026248932211011.	1.1	0