Given Names Deactivated Family Name

List of Publications by Year
in descending order

118 papers	2,765 citations	172457 29 h-index	276875 41 g-index
118 all docs	118 docs citations	118 times ranked	1628 citing authors

#	Article	IF	Citations
1	Synthesis and characterization of graphene oxide reinforced triphenyl pyridine-based polyimide composites having UV shielding and low k properties. Composite Interfaces, 2022, 29, 37-55.	2.3	10
2	Studies on nitrile substituted bisphenol-F and bisphenol-Z based benzoxazines with enhanced thermal and hydrophobic properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2022, 59, 127-132.	2.2	8
3	Bio-based polybenzoxazines as an efficient coatings to protect mild steel surfaces from corrosion. High Performance Polymers, 2022, 34, 593-603.	1.8	14
4	Low-k and UV shielding polybenzoxazine nanocomposites synthesised from quinoline amine and bio-silica. Composite Interfaces, 2021, 28, 905-923.	2.3	11
5	Mesoporous silica MCM-41-reinforced cardanol-based benzoxazine nanocomposites for low-k applications. Polymer Bulletin, 2021, 78, 2043-2065.	3.3	9
6	Mechanical, thermal and dielectric studies of reduced graphene oxide reinforced cardanol based polybenzoxazine/epoxy nanocomposites. Composite Interfaces, 2021, 28, 461-476.	2.3	6
7	Eco-friendly fully bio-based polybenzoxazine-silica hybrid materials by solâ€“gel approach. Polymer Bulletin, 2021, 78, 4251-4260.	3.3	16
8	Advanced development of dairy farm waste-based biocarbon-reinforced unsymmetrical structured bio-phenolic polybenzoxazine composites. High Performance Polymers, 2021, 33, 61-74.	1.8	5
9	Polymer Matrix Composite Materials for Aerospace Applications. , 2021, , 947-969.		4
10	Thermal and Morphological Analyses of Polymer Matrix Composites. , 2021, , 1038-1068.		3
11	Fluorine free TiO2/cyanate esterÂcoated cotton fabric with low surface free energy and rough surface for durable oilâ€“water separation. Cellulose, 2021, 28, 4847-4863.	4.9	10
12	Development of bio-based benzoxazines coated melamine foam for oil-water separation. Progress in Organic Coatings, 2021, 153, 106128.	3.9	20
13	Design and development of bio-carbon reinforced hetero structured biophenolics polybenzoxazine-epoxy hybrid composites for high performance applications. Journal of Polymer Research, 2021, 28, 1.	2.4	11
14	Enhanced shielding of electromagnetic radiations with flexible, lightâ€weight, and conductive <scp>Agâ€Cu</scp>/<scp>MWCNT</scp>/<scp>rGO</scp> architected <scp>PVDF</scp> nanocomposite films. Polymers for Advanced Technologies, 2021, 32, 3759-3769.	3.2	22
15	Bio-composites of rice husk and saw dust reinforced bio-benzoxazine/epoxy hybridized matrices: Thermal, mechanical, electrical resistance and acoustic absorption properties. Construction and Building Materials, 2021, 312, 125381.	7.2	22
16	Studies on Syntheses, Spectral, Thermal and Hydrophobic Behavior of Cardanol Based Tetra Functional Benzoxazines. Polymer Science - Series A, 2021, 63, 679-689.	1.0	8
17	Effective Low Temperature Cure Cardanol Based Mono-Functional Benzoxazines: A Comparison. Polymer Science - Series B, 2021, 63, 727-736.	0.8	8
18	Thermal behaviour of benzoxazine blends based on epoxy and cyanate ester. Polymers and Polymer Composites, 2021, 29, S1475-S1485.	1.9	9

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19	Environmentally sustainable rice husk ash reinforced cardanol based polybenzoxazine bio-composites for insulation applications. Polymer Bulletin, 2020, 77, 2501-2520.	3.3	27
20	Cardanol-Imidazole Based Benzoxazine Blends and Bio-silica Reinforced Composites with Enhanced Surface, Thermal and Dielectric Properties. Journal of Polymers and the Environment, 2020, 28, 918-933.	5.0	24
21	Cardanol-based benzoxazine-terminated graphene oxide-reinforced fluorinated benzoxazine hybrid composites for low K applications. Composite Interfaces, 2020, 27, 737-751.	2.3	14
22	Evaluation of thermo-mechanical, dielectric and corrosion resistant properties of cardanol benzoxazine-epoxy based hybrid composites: A very low temperature curing pre-polymer for high performance paint related applications. High Performance Polymers, 2020, 32, 524-539.	1.8	13
23	Blends of Chalcone Benzoxazine and Bio-benzoxazines Coated Cotton Fabrics for Oilâ€“Water Separation and Bio-silica Reinforced Nanocomposites for Low-k Applications. Journal of Polymers and the Environment, 2020, 28, 598-613.	5.0	37
24	Antiwetting and low-surface-energy behavior of cardanol-based polybenzoxazine-coated cotton fabrics for oilâ€“water separation. Journal of Coatings Technology Research, 2020, 17, 1455-1469.	2.5	15
25	Fluorine Free Bio-Based Polybenzoxazine Coated Substrates for Oil-Water Separation and Anti-Icing Applications. Journal of Polymers and the Environment, 2020, 28, 2444-2456.	5.0	15
26	Bio-based polybenzoxazine composites for oil-water separation, sound absorption and corrosion resistance applications. Polymer Testing, 2020, 86, 106443.	4.8	52
27	Polypyrrole inter-layered low temperature curing benzoxazine matrices with enhanced thermal and dielectric properties. Journal of Polymer Research, 2020, 27, 1.	2.4	12
28	Development of Prosopis juliflora carbon-reinforced PET bottle waste-based epoxy-blended bio-phenolic benzoxazine composites for advanced applications. RSC Advances, 2020, 10, 5656-5665.	3.6	12
29	Development of cashew nut shell carbon reinforced thiourea based biophenolic benzoxazineâ€epoxy composites: High performance biobased coating materials. Polymer Composites, 2020, 41, 1950-1961.	4.6	18
30	Development and Characterization of Palm Flower Carbon Reinforced DOPOâ€Urea Diamine Based Cardanol Benzoxazineâ€Epoxy Hybrid Composites. Polymer Engineering and Science, 2020, 60, 732-739.	3.1	10
31	Exploration of high corrosion resistance property of less hazardous pyrazolidine-based benzoxazines in comparison with bisphenol-F derivatives. Journal of Coatings Technology Research, 2020, 17, 921-935.	2.5	7
32	Partially Exfoliated Î±-ZrP Reinforced Unsaturated Polyester Nanocomposites by Simultaneous Co-polymerization and BrÃ¸nsted Acidâ€“Base Strategy. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 4095-4105.	3.7	11
33	Studies on heterocyclic amines based cardanolâ€benzoxazine for oilâ€water separation. Polymer Engineering and Science, 2020, 60, 1494-1506.	3.1	20
34	Synthesis and studies on phosphazene core-based POSS-reinforced polyimide nanocomposites. Polymer Bulletin, 2019, 76, 387-407.	3.3	29
35	Design and development of polybenzoxazine-POSS hybrid materials from renewable starting materials for low k and low surface free energy applications. Materials Research Express, 2019, 6, 104007.	1.6	15
36	Fluorinated polyimide nanocomposites for low K dielectric applications. Journal of Polymer Research, 2019, 26, 1.	2.4	25

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37	Synthesis of Nontoxic Pyrazolidine-Based Benzoxazine-Coated Cotton Fabric for Oilâ€“Water Separation. Industrial & Engineering Chemistry Research, 2019, 58, 21419-21430.	3.7	31
38	Low Temperature Cure Siloxane Based Hybrid Renewable Cardanol Benzoxazine Composites for Coating Applications. Journal of Polymers and the Environment, 2019, 27, 2682-2696.	5.0	5
39	Octahedral oligomeric silsesquioxane (OAPS and OG) - Polyimide hybrid nanocomposite films: Thermo-mechanical, dielectric and morphology properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2019, 56, 1082-1096.	2.2	12
40	Development of functionalized SiO2â€“TiO2Âreinforced cardanol and caprolactam modified diamineÂbased polybenzoxazine nanocomposites for highÂperformance applications. Journal of Coatings Technology Research, 2019, 16, 1737-1749.	2.5	13
41	Livestock chicken feather fiber reinforced cardanol benzoxazineâ€epoxy composites for low dielectric and microbial corrosion resistant applications. Polymer Composites, 2019, 40, 4142-4153.	4.6	19
42	Development and characterization of fully bioâ€based polybenzoxazineâ€silica hybrid composites for lowâ€k and flameâ€retardant applications. Polymers for Advanced Technologies, 2019, 30, 1856-1864.	3.2	29
43	High dielectric, low curing with high thermally stable renewable eugenolâ€based polybenzoxazine matrices and nanocomposites. Journal of Applied Polymer Science, 2019, 136, 47050.	2.6	34
44	Design and Development of Environmentally Friendly Polybenzoxazineâ€“Silica Hybrid from Renewable Bio-resource. Journal of Polymers and the Environment, 2019, 27, 141-147.	5.0	40
45	Cyclotriphosphazene nanofiber-reinforced polybenzoxazine/epoxy nanocomposites for low dielectric and flame-retardant applications. Polymer Bulletin, 2019, 76, 3785-3801.	3.3	14
46	Multifunctional behavior of POSS-reinforced imidazole core polyimide nanocomposites. Polymer Bulletin, 2019, 76, 5059-5075.	3.3	15
47	Synthesis and characterization of heterocyclic coreâ€based polybenzoxazine matrices. Journal of Applied Polymer Science, 2019, 136, 47134.	2.6	8
48	Synthesis and characterization of a novel highâ€performance benzoxazine from benzaldehydeâ€based bisphenol. Advances in Polymer Technology, 2018, 37, 3056-3065.	1.7	14
49	Synthesis and characterization of organosoluble radiationâ€resistant composite materials from octa(maleimidophenyl)silsesquioxane and aryldiamines. Polymers for Advanced Technologies, 2018, 29, 1261-1270.	3.2	0
50	Cardanol based benzoxazine blends and bio-silica reinforced composites: thermal and dielectric properties. New Journal of Chemistry, 2018, 42, 4067-4080.	2.8	78
51	Synthesis and characterization of a novel class of low temperature cure Benzoxazines. Journal of Polymer Research, 2018, 25, 1.	2.4	17
52	Synthesis, photophysical and electrochemical properties of polyimides of tetraaryl imidazole. Polymer Bulletin, 2018, 75, 93-107.	3.3	32
53	Bio-silicon reinforced siloxane core polyimide green nanocomposite with multifunctional behavior. High Performance Polymers, 2018, 30, 549-560.	1.8	10
54	Optical, electrochemical, and thermal behavior of polybenzoxazine copolymers incorporated with tetraphenylimidazole and diphenylquinoline. Polymers for Advanced Technologies, 2018, 29, 355-363.	3.2	24

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55	Development of Biocomposites from Agro Wastes for Low Dielectric Applications. Journal of Polymers and the Environment, 2018, 26, 3655-3669.	5.0	14
56	Electromagnetic interference (EMI) shielding performance of lightweight metal decorated carbon nanostructures dispersed in flexible polyvinylidene fluoride films. New Journal of Chemistry, 2018, 42, 12945-12953.	2.8	34
57	A low cure thermo active polymerization of chalcone based benzoxazine and cross linkable olefin blends. Journal of Polymer Research, 2018, 25, 1.	2.4	28
58	Studies on thermal behavior of imidazole diamine based benzoxazines. Journal of Applied Polymer Science, 2018, 135, 46562.	2.6	11
59	Optical and thermomechanical behavior of benzoxazine functionalized ZnO reinforced polybenzoxazine nanocomposites. Polymer Composites, 2017, 38, 1881-1889.	4.6	18
60	Achieving low dielectric, surface free energy and UV shielding green nanocomposites via reinforcing bio-silica aerogel with polybenzoxazine. New Journal of Chemistry, 2017, 41, 5313-5321.	2.8	23
61	Synthesis and characterization of cardanol based fluorescent composite for optoelectronic and antimicrobial applications. Polymer, 2017, 108, 449-461.	3.8	30
62	Silaneâ€functionalized polybenzoxazines: A superior corrosion resistant coating for steel plates. Materials and Corrosion - Werkstoffe Und Korrosion, 2017, 68, 1343-1354.	1.5	17
63	A Novel Imidazole-Core-Based Benzoxazine and Its Blends for High-Performance Applications. Industrial & Engineering Chemistry Research, 2017, 56, 9347-9354.	3.7	39
64	Polybenzoxazine-Based Organic-Inorganic Nanohybrid Materials for High Performance Engineering Applications. , 2017, , 801-834.		2
65	Photoluminescence and Electrochemical Behaviors of Polybenzimidazole-Grafted Carbon Nanotubes. Polymer-Plastics Technology and Engineering, 2016, 55, 542-551.	1.9	8
66	Studies on graphene oxideâ€“reinforced polybenzoxazine nanocomposites. High Performance Polymers, 2016, 28, 425-435.	1.8	11
67	Development and characterization of functionalized Al₂O₃and TiO₂-reinforced polybenzoxazine nanocomposites. Designed Monomers and Polymers, 2016, 19, 67-76.	1.6	17
68	Low dielectric behavior of amine functionalized MCM-41 reinforced polyimide nanocomposites. High Performance Polymers, 2016, 28, 842-853.	1.8	13
69	Bio-based silica-reinforced caprolactam-toughened epoxy nanocomposites. High Performance Polymers, 2016, 28, 189-197.	1.8	11
70	Ag induced electromagnetic interference shielding of Ag-graphite/PVDF flexible nanocomposites thinfilms. Applied Physics Letters, 2015, 107, .	3.3	79
71	Design of hydrophobic polydimethylsiloxane and polybenzoxazine hybrids for interlayer low k dielectrics. New Journal of Chemistry, 2015, 39, 3995-4008.	2.8	41
72	Studies on dielectric properties of GO reinforced bisphenol-Z polybenzoxazine hybrids. RSC Advances, 2015, 5, 23787-23797.	3.6	29

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73	Design and development of mesoporous silica reinforced skeletal modified triaryl pyridine core based polybenzoxazine (SBA-15/PBZ) nanocomposites. International Journal of Plastics Technology, 2015, 19, 309-332.	3.1	12
74	Development of a polybenzoxazine/TSBA-15 composite from the renewable resource cardanol for low-k applications. RSC Advances, 2015, 5, 48898-48907.	3.6	42
75	Influence of Multiwalled Carbon Nanotubes on Mechanical, Thermal and Electrical Behavior of Polybenzoxazine-Epoxy Nanocomposites. Polymer-Plastics Technology and Engineering, 2015, 54, 68-80.	1.9	17
76	Development and characterization of functionalized TiO₂-reinforced Schiff base epoxy nanocomposites. High Performance Polymers, 2015, 27, 813-823.	1.8	5
77	Dielectric and thermal behaviors of POSS reinforced polyurethane based polybenzoxazine nanocomposites. RSC Advances, 2015, 5, 33008-33015.	3.6	44
78	Exploring the high k dielectric behavior of bio-carbon reinforced cyanate ester nanocomposites. New Journal of Chemistry, 2015, 39, 8739-8751.	2.8	6
79	Thermo-mechanical and dielectric properties of graphene reinforced caprolactam cardanol based benzoxazineâ€“epoxy nanocomposites. RSC Advances, 2015, 5, 9607-9617.	3.6	56
80	Conjugated donorâ€“acceptor copolymers derived from phenylenevinylene and trisubstituted pyridine units. High Performance Polymers, 2015, 27, 724-733.	1.8	10
81	Synthesis of soluble polyimides based on ether-linked cyclohexyldiamine and their ultraviolet shielding behavior. High Performance Polymers, 2015, 27, 247-253.	1.8	17
82	Carbon blackâ€“polybenzoxazine nanocomposites for high K dielectric applications. Polymer Composites, 2014, 35, 2121-2128.	4.6	21
83	Studies on Polybenzoxazine/Capron PK₄/octakis(dimethylsiloxypropylglycidylether) Silsesquioxane Nanocomposites for Radiation Resistant Applications. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 651-656.	3.4	9
84	Siloxane core dianhydride modified ether linked cyclohexyl diamine based multi-walled carbon nanotube reinforced polyimide (MWCNT/PI) nanocomposites. Journal of Polymer Research, 2014, 21, 1.	2.4	19
85	Design of lamellar structured POSS/BPZ polybenzoxazine nanocomposites as a novel class of ultra low-k dielectric materials. RSC Advances, 2014, 4, 19127-19136.	3.6	55
86	Development of hexa (aminophenyl)cyclotriphosphazene-modified cyanate ester composites for high-temperature applications. High Performance Polymers, 2014, 26, 89-96.	1.8	23
87	Studies on FMCM-41 reinforced cyanate ester nanocomposites for low k applications. RSC Advances, 2014, 4, 57759-57767.	3.6	37
88	In situ solâ€“gel synthesis of silica reinforced polybenzoxazine hybrid materials with low surface free energy. RSC Advances, 2014, 4, 8446.	3.6	30
89	Vinyl silane-functionalized rice husk ash-reinforced unsaturated polyester nanocomposites. RSC Advances, 2014, 4, 18157-18163.	3.6	31
90	Development of bio-based F-SBA-15 reinforced epoxy nanocomposites for low-k dielectric applications. High Performance Polymers, 2014, 26, 283-289.	1.8	19

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91	Cyclotriphosphazene fibre reinforced poly(benzoxazine-co-Îµ-caprolactam) nanocomposites for flame retardant applications. Chinese Journal of Polymer Science (English Edition), 2014, 32, 1086-1098.	3.8	10
92	Effect of Nanoalumina on the Tribology Performance of C4-Ether-Linked Bismaleimide-Toughened Epoxy Nanocomposites. Tribology Letters, 2014, 54, 67-79.	2.6	30
93	Thermo-mechanical and surface properties of POSS reinforced structurally different diamine cured epoxy nanocomposites. RSC Advances, 2014, 4, 45433-45441.	3.6	30
94	MnO₂-doped, polyaniline-grafted rice husk ash nanocomposites and their electrochemical capacitor applications. RSC Advances, 2014, 4, 47726-47734.	3.6	26
95	Development of ricehusk ash reinforced bismaleimide toughened epoxy nanocomposites. Frontiers in Chemistry, 2014, 2, 65.	3.6	20
96	Low surface free energy cyanate esterâ€“silica hybrid (CEâ€“SiO2) nanomaterials for low k dielectric applications. RSC Advances, 2013, 3, 12915.	3.6	42
97	Thermal, electrical and morphological properties of DGEBA/DDM and TGDDM/DDM epoxies modified by a flexible diepoxide and octaphenylamine-POSS. Journal of Reinforced Plastics and Composites, 2013, 32, 602-611.	3.1	9
98	Studies on thermal, mechanical, electrical, and morphological behavior of organoclay-reinforced polybenzoxazineâ€“epoxy nanocomposites. High Performance Polymers, 2013, 25, 1007-1021.	1.8	16
99	Mesoporous silica reinforced cyanate ester nanocomposites for low k dielectric applications. Microporous and Mesoporous Materials, 2013, 179, 157-164.	4.4	40
100	Thermal and Morphological Properties of Octa(maleimido phenyl) Silsesquioxane (OMPS)-Reinforced Polybenzoxazine Hybrid Nanocomposites. International Journal of Polymer Analysis and Characterization, 2013, 18, 269-279.	1.9	12
101	High dielectric multiwalled carbon nanotube-polybenzoxazine nanocomposites for printed circuit board applications. Applied Physics Letters, 2013, 103, .	3.3	37
102	Hyperbranched polysiloxaneâ€based diglycidyl ether of bisphenol a epoxy composite for low k dielectric application. Polymer Composites, 2013, 34, 904-911.	4.6	20
103	SBA-15 filled polybenzoxazine nanocomposites for low-k dielectric applications. Journal of Materials Chemistry, 2012, 22, 7559.	6.7	118
104	Photolysis and thermal active polymerization of bis (benzylidene) based benzoxazine monomers. Journal of Molecular Structure, 2012, 1027, 162-166.	3.6	16
105	Synthesis and characterization of epoxy modified cyanate ester POSS nanocomposites. High Performance Polymers, 2012, 24, 405-417.	1.8	38
106	Octakis(dimethylsiloxypropylglycidylether)silsesquioxane (OG-POSS) reinforced 1,1-bis(3-methyl-4-hydroxymethyl)cyclohexane based polybenzoxazine nanocomposites. Journal of Polymer Research, 2012, 19, 1.	2.4	31
107	Studies on thermal and dielectric properties of Octa (maleimido phenyl) silsesquioxane (OMPS) - polybenzoxazine (PBZ) hybrid nanocomposites. High Performance Polymers, 2011, 23, 441-456.	1.8	37
108	Synthesis and characterization of 1, 1-bis (3-methyl-4-epoxyphenyl) cyclohexane-toughened DGEBA and TGDDM organo clay hybrid nanocomposites. High Performance Polymers, 2011, 23, 197-211.	1.8	19

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109	Polybenzoxazineâ€“silica (PBZâ€“SiO2) hybrid nanocomposites through in situ solâ€“gel method. Journal of Sol-Gel Science and Technology, 2011, 60, 33-40.	2.4	37
110	Studies on thermal and dielectric properties of organo clay and octakis (dimethylsiloxypropylglycidylether) silsesquioxane filled polybenzoxazine hybrid nanocomposites. Polymer Composites, 2011, 32, 1701-1711.	4.6	47
111	Studies on thermal and dielectric properties of ether linked cyclohexyl diamine (ELCD)-based polyimide POSS nanocomposites (POSS-PI). High Performance Polymers, 2011, 23, 99-111.	1.8	45
112	Octasilsesquioxane-reinforced DGEBA and TGDDM epoxy nanocomposites: Characterization of thermal, dielectric and morphological properties. Acta Materialia, 2010, 58, 3345-3356.	7.9	94
113	Synthesis and Characterization of a POSS-Maleimide Precursor for Hybrid Nanocomposites. High Performance Polymers, 2008, 20, 67-85.	1.8	28
114	Mechanical and thermal studies of intercross-linked networks based on siliconized polyurethane-epoxy/unsaturated polyester coatings. Progress in Organic Coatings, 2004, 49, 236-243.	3.9	56
115	Preparation and characterization of bismaleimide-modified bisphenol dicyanate epoxy matrices. Journal of Applied Polymer Science, 2003, 90, 1596-1603.	2.6	31
116	Studies on thermal and morphological properties of 1,1-bis(3-methyl-4-cyanatophenyl)cyclohexane-epoxy-bismaleimide matrices. Polymers for Advanced Technologies, 2003, 14, 544-556.	3.2	22
117	Preparation and characterization of bismaleimide (N,N?-bismaleimido-4,4?-diphenyl methane)-vinyl ester oligomer-modified unsaturated polyester interpenetrating matrices for advanced composites. Journal of Applied Polymer Science, 2002, 86, 2502-2508.	2.6	29
118	Development of Halogen Free Sustainable Polybenzoxazine Matrices and Composites for Flame Retardant Applications. , 0, , .		0