

Given Names Deactivated Family Name

List of Publications by Year in descending order

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118
papers

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172457

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118
all docs

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docs citations

118
times ranked

1628
citing authors

#	ARTICLE	IF	CITATIONS
1	SBA-15 filled polybenzoxazine nanocomposites for low-k dielectric applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 7559.	6.7	118
2	Octasilsesquioxane-reinforced DGEBA and TGDDM epoxy nanocomposites: Characterization of thermal, dielectric and morphological properties. <i>Acta Materialia</i> , 2010, 58, 3345-3356.	7.9	94
3	Ag induced electromagnetic interference shielding of Ag-graphite/PVDF flexible nanocomposites thinfilms. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	79
4	Cardanol based benzoxazine blends and bio-silica reinforced composites: thermal and dielectric properties. <i>New Journal of Chemistry</i> , 2018, 42, 4067-4080.	2.8	78
5	Mechanical and thermal studies of intercross-linked networks based on siliconized polyurethane-epoxy/unsaturated polyester coatings. <i>Progress in Organic Coatings</i> , 2004, 49, 236-243.	3.9	56
6	Thermo-mechanical and dielectric properties of graphene reinforced caprolactam cardanol based benzoxazine-epoxy nanocomposites. <i>RSC Advances</i> , 2015, 5, 9607-9617.	3.6	56
7	Design of lamellar structured POSS/BPZ polybenzoxazine nanocomposites as a novel class of ultra low-k dielectric materials. <i>RSC Advances</i> , 2014, 4, 19127-19136.	3.6	55
8	Bio-based polybenzoxazine composites for oil-water separation, sound absorption and corrosion resistance applications. <i>Polymer Testing</i> , 2020, 86, 106443.	4.8	52
9	Studies on thermal and dielectric properties of organo clay and octakis (dimethylsiloxypropylglycidylether) silsesquioxane filled polybenzoxazine hybrid nanocomposites. <i>Polymer Composites</i> , 2011, 32, 1701-1711.	4.6	47
10	Studies on thermal and dielectric properties of ether linked cyclohexyl diamine (ELCD)-based polyimide POSS nanocomposites (POSS-PI). <i>High Performance Polymers</i> , 2011, 23, 99-111.	1.8	45
11	Dielectric and thermal behaviors of POSS reinforced polyurethane based polybenzoxazine nanocomposites. <i>RSC Advances</i> , 2015, 5, 33008-33015.	3.6	44
12	Low surface free energy cyanate ester-silica hybrid (CE-SiO ₂) nanomaterials for low k dielectric applications. <i>RSC Advances</i> , 2013, 3, 12915.	3.6	42
13	Development of a polybenzoxazine/TSBA-15 composite from the renewable resource cardanol for low-k applications. <i>RSC Advances</i> , 2015, 5, 48898-48907.	3.6	42
14	Design of hydrophobic polydimethylsiloxane and polybenzoxazine hybrids for interlayer low k dielectrics. <i>New Journal of Chemistry</i> , 2015, 39, 3995-4008.	2.8	41
15	Mesoporous silica reinforced cyanate ester nanocomposites for low k dielectric applications. <i>Microporous and Mesoporous Materials</i> , 2013, 179, 157-164.	4.4	40
16	Design and Development of Environmentally Friendly Polybenzoxazine-Silica Hybrid from Renewable Bio-resource. <i>Journal of Polymers and the Environment</i> , 2019, 27, 141-147.	5.0	40
17	A Novel Imidazole-Core-Based Benzoxazine and Its Blends for High-Performance Applications. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 9347-9354.	3.7	39
18	Synthesis and characterization of epoxy modified cyanate ester POSS nanocomposites. <i>High Performance Polymers</i> , 2012, 24, 405-417.	1.8	38

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19	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
20	Polybenzoxazine-silica (PBZ-SiO ₂) hybrid nanocomposites through in situ sol-gel method. Journal of Sol-Gel Science and Technology, 2011, 60, 33-40.	2.4	37
21	High dielectric multiwalled carbon nanotube-polybenzoxazine nanocomposites for printed circuit board applications. Applied Physics Letters, 2013, 103, .	3.3	37
22	Studies on FMCM-41 reinforced cyanate ester nanocomposites for low k applications. RSC Advances, 2014, 4, 57759-57767.	3.6	37
23	Blends of Chalcone Benzoxazine and Bio-benzoxazines Coated Cotton Fabrics for Oil-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	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
25	High dielectric, low curing with high thermally stable renewable eugenol-based polybenzoxazine matrices and nanocomposites. Journal of Applied Polymer Science, 2019, 136, 47050.	2.6	34
26	Synthesis, photophysical and electrochemical properties of polyimides of tetraaryl imidazole. Polymer Bulletin, 2018, 75, 93-107.	3.3	32
27	Preparation and characterization of bismaleimide-modified bisphenol dicyanate epoxy matrices. Journal of Applied Polymer Science, 2003, 90, 1596-1603.	2.6	31
28	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
29	Vinyl silane-functionalized rice husk ash-reinforced unsaturated polyester nanocomposites. RSC Advances, 2014, 4, 18157-18163.	3.6	31
30	Synthesis of Nontoxic Pyrazolidine-Based Benzoxazine-Coated Cotton Fabric for Oil-Water Separation. Industrial & Engineering Chemistry Research, 2019, 58, 21419-21430.	3.7	31
31	In situ sol-gel synthesis of silica reinforced polybenzoxazine hybrid materials with low surface free energy. RSC Advances, 2014, 4, 8446.	3.6	30
32	Effect of Nanoalumina on the Tribology Performance of C4-Ether-Linked Bismaleimide-Toughened Epoxy Nanocomposites. Tribology Letters, 2014, 54, 67-79.	2.6	30
33	Thermo-mechanical and surface properties of POSS reinforced structurally different diamine cured epoxy nanocomposites. RSC Advances, 2014, 4, 45433-45441.	3.6	30
34	Synthesis and characterization of cardanol based fluorescent composite for optoelectronic and antimicrobial applications. Polymer, 2017, 108, 449-461.	3.8	30
35	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
36	Studies on dielectric properties of GO reinforced bisphenol-Z polybenzoxazine hybrids. RSC Advances, 2015, 5, 23787-23797.	3.6	29

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37	Synthesis and studies on phosphazene core-based POSS-reinforced polyimide nanocomposites. <i>Polymer Bulletin</i> , 2019, 76, 387-407.	3.3	29
38	Development and characterization of fully bio-based polybenzoxazine-silica hybrid composites for low- ϵ_k and flame-retardant applications. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1856-1864.	3.2	29
39	Synthesis and Characterization of a POSS-Maleimide Precursor for Hybrid Nanocomposites. <i>High Performance Polymers</i> , 2008, 20, 67-85.	1.8	28
40	A low cure thermo active polymerization of chalcone based benzoxazine and cross linkable olefin blends. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	28
41	Environmentally sustainable rice husk ash reinforced cardanol based polybenzoxazine bio-composites for insulation applications. <i>Polymer Bulletin</i> , 2020, 77, 2501-2520.	3.3	27
42	MnO ₂ -doped, polyaniline-grafted rice husk ash nanocomposites and their electrochemical capacitor applications. <i>RSC Advances</i> , 2014, 4, 47726-47734.	3.6	26
43	Fluorinated polyimide nanocomposites for low K dielectric applications. <i>Journal of Polymer Research</i> , 2019, 26, 1.	2.4	25
44	Optical, electrochemical, and thermal behavior of polybenzoxazine copolymers incorporated with tetraphenylimidazole and diphenylquinoline. <i>Polymers for Advanced Technologies</i> , 2018, 29, 355-363.	3.2	24
45	Cardanol-Imidazole Based Benzoxazine Blends and Bio-silica Reinforced Composites with Enhanced Surface, Thermal and Dielectric Properties. <i>Journal of Polymers and the Environment</i> , 2020, 28, 918-933.	5.0	24
46	Development of hexa (aminophenyl)cyclotriphosphazene-modified cyanate ester composites for high-temperature applications. <i>High Performance Polymers</i> , 2014, 26, 89-96.	1.8	23
47	Achieving low dielectric, surface free energy and UV shielding green nanocomposites via reinforcing bio-silica aerogel with polybenzoxazine. <i>New Journal of Chemistry</i> , 2017, 41, 5313-5321.	2.8	23
48	Studies on thermal and morphological properties of 1,1-bis(3-methyl-4-cyanatophenyl)cyclohexane-epoxy-bismaleimide matrices. <i>Polymers for Advanced Technologies</i> , 2003, 14, 544-556.	3.2	22
49	Enhanced shielding of electromagnetic radiations with flexible, light-weight, and conductive Ag-Cu/MWCNT/rGO architected PVDF nanocomposite films. <i>Polymers for Advanced Technologies</i> , 2021, 32, 3759-3769.	3.2	22
50	Bio-composites of rice husk and saw dust reinforced bio-benzoxazine/epoxy hybridized matrices: Thermal, mechanical, electrical resistance and acoustic absorption properties. <i>Construction and Building Materials</i> , 2021, 312, 125381.	7.2	22
51	Carbon black-polybenzoxazine nanocomposites for high ϵ_k dielectric applications. <i>Polymer Composites</i> , 2014, 35, 2121-2128.	4.6	21
52	Hyperbranched polysiloxane-based diglycidyl ether of bisphenol a epoxy composite for low ϵ_k dielectric application. <i>Polymer Composites</i> , 2013, 34, 904-911.	4.6	20
53	Development of ricehusk ash reinforced bismaleimide toughened epoxy nanocomposites. <i>Frontiers in Chemistry</i> , 2014, 2, 65.	3.6	20
54	Studies on heterocyclic amines based cardanol-benzoxazine for oil-water separation. <i>Polymer Engineering and Science</i> , 2020, 60, 1494-1506.	3.1	20

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55	Development of bio-based benzoxazines coated melamine foam for oil-water separation. Progress in Organic Coatings, 2021, 153, 106128.	3.9	20
56	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
57	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
58	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
59	Livestock chicken feather fiber reinforced cardanol benzoxazine-epoxy composites for low dielectric and microbial corrosion resistant applications. Polymer Composites, 2019, 40, 4142-4153.	4.6	19
60	Optical and thermomechanical behavior of benzoxazine functionalized ZnO reinforced polybenzoxazine nanocomposites. Polymer Composites, 2017, 38, 1881-1889.	4.6	18
61	Development of cashew nut shell carbon reinforced thiourea based biophenolic benzoxazine-epoxy composites: High performance biobased coating materials. Polymer Composites, 2020, 41, 1950-1961.	4.6	18
62	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
63	Synthesis of soluble polyimides based on ether-linked cyclohexyldiamine and their ultraviolet shielding behavior. High Performance Polymers, 2015, 27, 247-253.	1.8	17
64	Development and characterization of functionalized Al ₂ O ₃ and TiO ₂ -reinforced polybenzoxazine nanocomposites. Designed Monomers and Polymers, 2016, 19, 67-76.	1.6	17
65	Silane-functionalized polybenzoxazines: A superior corrosion resistant coating for steel plates. Materials and Corrosion - Werkstoffe Und Korrosion, 2017, 68, 1343-1354.	1.5	17
66	Synthesis and characterization of a novel class of low temperature cure Benzoxazines. Journal of Polymer Research, 2018, 25, 1.	2.4	17
67	Photolysis and thermal active polymerization of bis (benzylidene) based benzoxazine monomers. Journal of Molecular Structure, 2012, 1027, 162-166.	3.6	16
68	Studies on thermal, mechanical, electrical, and morphological behavior of organoclay-reinforced polybenzoxazine-epoxy nanocomposites. High Performance Polymers, 2013, 25, 1007-1021.	1.8	16
69	Eco-friendly fully bio-based polybenzoxazine-silica hybrid materials by sol-gel approach. Polymer Bulletin, 2021, 78, 4251-4260.	3.3	16
70	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
71	Multifunctional behavior of POSS-reinforced imidazole core polyimide nanocomposites. Polymer Bulletin, 2019, 76, 5059-5075.	3.3	15
72	Antiwetting and low-surface-energy behavior of cardanol-based polybenzoxazine-coated cotton fabrics for oil-water separation. Journal of Coatings Technology Research, 2020, 17, 1455-1469.	2.5	15

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73	Fluorine Free Bio-Based Polybenzoxazine Coated Substrates for Oil-Water Separation and Anti-Icing Applications. <i>Journal of Polymers and the Environment</i> , 2020, 28, 2444-2456.	5.0	15
74	Synthesis and characterization of a novel high-performance benzoxazine from benzaldehyde-based bisphenol. <i>Advances in Polymer Technology</i> , 2018, 37, 3056-3065.	1.7	14
75	Development of Biocomposites from Agro Wastes for Low Dielectric Applications. <i>Journal of Polymers and the Environment</i> , 2018, 26, 3655-3669.	5.0	14
76	Cyclotriphosphazene nanofiber-reinforced polybenzoxazine/epoxy nanocomposites for low dielectric and flame-retardant applications. <i>Polymer Bulletin</i> , 2019, 76, 3785-3801.	3.3	14
77	Cardanol-based benzoxazine-terminated graphene oxide-reinforced fluorinated benzoxazine hybrid composites for low K applications. <i>Composite Interfaces</i> , 2020, 27, 737-751.	2.3	14
78	Bio-based polybenzoxazines as an efficient coatings to protect mild steel surfaces from corrosion. <i>High Performance Polymers</i> , 2022, 34, 593-603.	1.8	14
79	Low dielectric behavior of amine functionalized MCM-41 reinforced polyimide nanocomposites. <i>High Performance Polymers</i> , 2016, 28, 842-853.	1.8	13
80	Development of functionalized SiO ₂ -TiO ₂ -reinforced cardanol and caprolactam modified diamine-based polybenzoxazine nanocomposites for high performance applications. <i>Journal of Coatings Technology Research</i> , 2019, 16, 1737-1749.	2.5	13
81	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. <i>High Performance Polymers</i> , 2020, 32, 524-539.	1.8	13
82	Thermal and Morphological Properties of Octa(maleimido phenyl) Silsesquioxane (OMPS)-Reinforced Polybenzoxazine Hybrid Nanocomposites. <i>International Journal of Polymer Analysis and Characterization</i> , 2013, 18, 269-279.	1.9	12
83	Design and development of mesoporous silica reinforced skeletal modified triaryl pyridine core based polybenzoxazine (SBA-15/PBZ) nanocomposites. <i>International Journal of Plastics Technology</i> , 2015, 19, 309-332.	3.1	12
84	Octahedral oligomeric silsesquioxane (OAPS and OG) - Polyimide hybrid nanocomposite films: Thermo-mechanical, dielectric and morphology properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019, 56, 1082-1096.	2.2	12
85	Polypyrrole inter-layered low temperature curing benzoxazine matrices with enhanced thermal and dielectric properties. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	12
86	Development of <i>Prosopis juliflora</i> carbon-reinforced PET bottle waste-based epoxy-blended bio-phenolic benzoxazine composites for advanced applications. <i>RSC Advances</i> , 2020, 10, 5656-5665.	3.6	12
87	Studies on graphene oxide-reinforced polybenzoxazine nanocomposites. <i>High Performance Polymers</i> , 2016, 28, 425-435.	1.8	11
88	Bio-based silica-reinforced caprolactam-toughened epoxy nanocomposites. <i>High Performance Polymers</i> , 2016, 28, 189-197.	1.8	11
89	Studies on thermal behavior of imidazole diamine based benzoxazines. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46562.	2.6	11
90	Low-k and UV shielding polybenzoxazine nanocomposites synthesised from quinoline amine and bio-silica. <i>Composite Interfaces</i> , 2021, 28, 905-923.	2.3	11

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91	Partially Exfoliated Î± -ZrP Reinforced Unsaturated Polyester Nanocomposites by Simultaneous Co-polymerization and Brønsted Acid-Base Strategy. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4095-4105.	3.7	11
92	Design and development of bio-carbon reinforced hetero structured biophenolics polybenzoxazine-epoxy hybrid composites for high performance applications. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	11
93	Cyclotriphosphazene fibre reinforced poly(benzoxazine-co- Î¼ -caprolactam) nanocomposites for flame retardant applications. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014, 32, 1086-1098.	3.8	10
94	Conjugated donor-acceptor copolymers derived from phenylenevinylene and trisubstituted pyridine units. <i>High Performance Polymers</i> , 2015, 27, 724-733.	1.8	10
95	Bio-silicon reinforced siloxane core polyimide green nanocomposite with multifunctional behavior. <i>High Performance Polymers</i> , 2018, 30, 549-560.	1.8	10
96	Development and Characterization of Palm Flower Carbon Reinforced DOPO-Urea Diamine Based Cardanol Benzoxazine-Epoxy Hybrid Composites. <i>Polymer Engineering and Science</i> , 2020, 60, 732-739.	3.1	10
97	Synthesis and characterization of graphene oxide reinforced triphenyl pyridine-based polyimide composites having UV shielding and low k properties. <i>Composite Interfaces</i> , 2022, 29, 37-55.	2.3	10
98	Fluorine free TiO_2 /cyanate ester-coated cotton fabric with low surface free energy and rough surface for durable oil-water separation. <i>Cellulose</i> , 2021, 28, 4847-4863.	4.9	10
99	Thermal, electrical and morphological properties of DGEBA/DDM and TGDDM/DDM epoxies modified by a flexible diepoxide and octaphenylamine-POSS. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 602-611.	3.1	9
100	Studies on Polybenzoxazine/Capron PK ₄ /octakis(dimethylsiloxypropylglycidylether) Silsesquioxane Nanocomposites for Radiation Resistant Applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 651-656.	3.4	9
101	Mesoporous silica MCM-41-reinforced cardanol-based benzoxazine nanocomposites for low-k applications. <i>Polymer Bulletin</i> , 2021, 78, 2043-2065.	3.3	9
102	Thermal behaviour of benzoxazine blends based on epoxy and cyanate ester. <i>Polymers and Polymer Composites</i> , 2021, 29, S1475-S1485.	1.9	9
103	Photoluminescence and Electrochemical Behaviors of Polybenzimidazole-Grafted Carbon Nanotubes. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 542-551.	1.9	8
104	Synthesis and characterization of heterocyclic core-based polybenzoxazine matrices. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47134.	2.6	8
105	Studies on nitrile substituted bisphenol-F and bisphenol-Z based benzoxazines with enhanced thermal and hydrophobic properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2022, 59, 127-132.	2.2	8
106	Studies on Syntheses, Spectral, Thermal and Hydrophobic Behavior of Cardanol Based Tetra Functional Benzoxazines. <i>Polymer Science - Series A</i> , 2021, 63, 679-689.	1.0	8
107	Effective Low Temperature Cure Cardanol Based Mono-Functional Benzoxazines: A Comparison. <i>Polymer Science - Series B</i> , 2021, 63, 727-736.	0.8	8
108	Exploration of high corrosion resistance property of less hazardous pyrazolidine-based benzoxazines in comparison with bisphenol-F derivatives. <i>Journal of Coatings Technology Research</i> , 2020, 17, 921-935.	2.5	7

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109	Exploring the high k dielectric behavior of bio-carbon reinforced cyanate ester nanocomposites. New Journal of Chemistry, 2015, 39, 8739-8751.	2.8	6
110	Mechanical, thermal and dielectric studies of reduced graphene oxide reinforced cardanol based polybenzoxazine/epoxy nanocomposites. Composite Interfaces, 2021, 28, 461-476.	2.3	6
111	Development and characterization of functionalized TiO ₂ -reinforced Schiff base epoxy nanocomposites. High Performance Polymers, 2015, 27, 813-823.	1.8	5
112	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
113	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
114	Polymer Matrix Composite Materials for Aerospace Applications. , 2021, , 947-969.		4
115	Thermal and Morphological Analyses of Polymer Matrix Composites. , 2021, , 1038-1068.		3
116	Polybenzoxazine-Based Organic-Inorganic Nanohybrid Materials for High Performance Engineering Applications. , 2017, , 801-834.		2
117	Synthesis and characterization of organosoluble radiation-resistant composite materials from octa(maleimidophenyl)silsesquioxane and aryldiamines. Polymers for Advanced Technologies, 2018, 29, 1261-1270.	3.2	0
118	Development of Halogen Free Sustainable Polybenzoxazine Matrices and Composites for Flame Retardant Applications. , 0, , .		0