

# Mehdi Derradji

## List of Publications by Year in descending order

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145  
papers

3,856  
citations

117453

34  
h-index

161609

54  
g-index

146  
all docs

146  
docs citations

146  
times ranked

2265  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocellulose: From Fundamentals to Advanced Applications. <i>Frontiers in Chemistry</i> , 2020, 8, 392.	1.8	586
2	Natural hemp fiber reinforced polybenzoxazine composites: Curing behavior, mechanical and thermal properties. <i>Composites Science and Technology</i> , 2017, 144, 114-124.	3.8	118
3	Ecofriendly isolation and characterization of microcrystalline cellulose from giant reed using various acidic media. <i>Cellulose</i> , 2019, 26, 7635-7651.	2.4	117
4	Mechanical and thermal properties of phthalonitrile resin reinforced with silicon carbide particles. <i>Materials &amp; Design</i> , 2015, 71, 48-55.	5.1	94
5	A Promising Energetic Polymer from <i>Posidonia oceanica</i> Brown Algae: Synthesis, Characterization, and Kinetic Modeling. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900358.	1.1	88
6	Synthesis, curing behavior and thermal properties of fluorene containing benzoxazines. <i>European Polymer Journal</i> , 2010, 46, 1024-1031.	2.6	86
7	Mechanical and thermal properties of silicon nitride reinforced polybenzoxazine nanocomposites. <i>Composites Science and Technology</i> , 2014, 105, 73-79.	3.8	74
8	The influence of different chemical treatments on the hemp fiber/polybenzoxazine based green composites: Mechanical, thermal and water absorption properties. <i>Materials Chemistry and Physics</i> , 2018, 217, 270-277.	2.0	71
9	Effect of silane surface modified titania nanoparticles on the thermal, mechanical, and corrosion protective properties of a bisphenol-A based phthalonitrile resin. <i>Progress in Organic Coatings</i> , 2016, 90, 34-43.	1.9	67
10	Synthesis, curing kinetics and thermal properties of bisphenol-AP-based benzoxazine. <i>European Polymer Journal</i> , 2011, 47, 2158-2168.	2.6	56
11	Effect of crab shell particles on the thermomechanical and thermal properties of polybenzoxazine matrix. <i>Materials &amp; Design</i> , 2014, 61, 1-7.	5.1	56
12	Effects of Cu/Mg ratio on the microstructure, mechanical and corrosion properties of Al-Li-Cu-Mg-X alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 718, 241-249.	2.6	55
13	Synthesis, curing kinetics and thermal properties of a novel self-promoted fluorene-based bisphthalonitrile monomer. <i>Thermochimica Acta</i> , 2015, 602, 22-29.	1.2	54
14	Synthesis, Characterization, and Thermal Decomposition Kinetics of Nitrogen-Rich Energetic Biopolymers from Aminated Giant Reed Cellulosic Fibers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 22677-22689.	1.8	52
15	Synthesis, characterization and thermal decomposition behavior of a novel HNTO/AN co-crystal as a promising rocket propellant oxidizer. <i>Chemical Engineering Journal</i> , 2021, 417, 128010.	6.6	50
16	High thermal and thermomechanical properties obtained by reinforcing a bisphenol-A based phthalonitrile resin with silicon nitride nanoparticles. <i>Materials Letters</i> , 2015, 149, 81-84.	1.3	49
17	Effect of the Delignification Process on the Physicochemical Properties and Thermal Stability of Microcrystalline Cellulose Extracted from Date Palm Fronds. <i>Waste and Biomass Valorization</i> , 2021, 12, 2779-2793.	1.8	49
18	Mechanical, thermal, and UV-shielding behavior of silane surface modified ZnO-reinforced phthalonitrile nanocomposites. <i>Polymers for Advanced Technologies</i> , 2016, 27, 882-888.	1.6	45

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19	Bio-based phthalonitrile compounds: Synthesis, curing behavior, thermomechanical and thermal properties. <i>Reactive and Functional Polymers</i> , 2018, 127, 1-9.	2.0	44
20	Morphological, mechanical and thermal properties of cyanate ester/benzoxazine resin composites reinforced by silane treated natural hemp fibers. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 1219-1228.	1.7	44
21	Anti-tumor effect of polysaccharide from <i>Hirsutella sinensis</i> on human non-small cell lung cancer and nude mice through intrinsic mitochondrial pathway. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 258-264.	3.6	43
22	Mechanical and thermal properties of a room temperature curing epoxy resin and related hemp fibers reinforced composites using a novel in-situ generated curing agent. <i>Materials Chemistry and Physics</i> , 2018, 203, 293-301.	2.0	43
23	High performance ceramic-based phthalonitrile micro and nanocomposites. <i>Materials Letters</i> , 2016, 182, 380-385.	1.3	42
24	Synthesis, curing behavior and thermal properties of fluorene-containing benzoxazines based on linear and branched butylamines. <i>Reactive and Functional Polymers</i> , 2014, 74, 22-30.	2.0	41
25	Preparation and characterization of thermally-conductive silane-treated silicon nitride filled polybenzoxazine nanocomposites. <i>Materials Letters</i> , 2015, 155, 34-37.	1.3	41
26	Influence of the rolling direction on the microstructure, mechanical, anisotropy and gamma rays shielding properties of an Al-Cu-Li-Mg-X alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 732, 129-137.	2.6	41
27	Effect of silane modified microcrystalline cellulose on the curing kinetics, thermo-mechanical properties and thermal degradation of benzoxazine resin. <i>International Journal of Biological Macromolecules</i> , 2021, 180, 194-202.	3.6	41
28	Toward advanced gamma rays radiation resistance and shielding efficiency with phthalonitrile resins and composites. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2018, 421, 13-17.	0.6	39
29	Thermal and mechanical properties enhancements obtained by reinforcing a bisphenol-a based phthalonitrile resin with silane surface-modified alumina nanoparticles. <i>Polymer Composites</i> , 2017, 38, 1549-1558.	2.3	38
30	Highly filled boron nitride-phthalonitrile nanocomposites for exigent thermally conductive applications. <i>Applied Thermal Engineering</i> , 2017, 115, 630-636.	3.0	38
31	Influence of fiber volume fractions on the performances of alkali modified hemp fibers reinforced cyanate ester/benzoxazine blend composites. <i>Materials Chemistry and Physics</i> , 2018, 213, 146-156.	2.0	38
32	Impacts of hemp fiber diameter on mechanical and water uptake properties of polybenzoxazine composites. <i>Industrial Crops and Products</i> , 2018, 111, 277-284.	2.5	38
33	Investigation of the Polymerization Behavior and Regioselectivity of Fluorene Diamine-Based Benzoxazines. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 617-628.	1.1	36
34	High-performance polymeric materials with greatly improved mechanical and thermal properties from cyanate ester/benzoxazine resin reinforced by silane-treated basalt fibers. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46283.	1.3	36
35	Silane-modified carbon fibers reinforced cyanate ester/benzoxazine resin composites: Morphological, mechanical and thermal degradation properties. <i>Vacuum</i> , 2018, 150, 12-23.	1.6	36
36	Synthesis, thermal properties and curing kinetics of fluorene diamine-based benzoxazine containing ester groups. <i>European Polymer Journal</i> , 2013, 49, 2759-2768.	2.6	35

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37	Investigation of synthesis, thermal properties and curing kinetics of fluorene diamine-based benzoxazine by using two curing kinetic methods. <i>Thermochimica Acta</i> , 2013, 564, 51-58.	1.2	35
38	Design and characterization of new advanced energetic biopolymers based on surface functionalized cellulosic materials. <i>Cellulose</i> , 2021, 28, 6107-6123.	2.4	35
39	Copolymerization of bisphthalonitrile/benzoxazine blends: Curing behavior, thermomechanical and thermal properties. <i>Reactive and Functional Polymers</i> , 2018, 123, 97-105.	2.0	33
40	Synthesis of benzophenone-center bisphenol-A containing phthalonitrile monomer (BBaph) and its copolymerization with P-a benzoxazine. <i>Reactive and Functional Polymers</i> , 2018, 129, 46-52.	2.0	33
41	Effects of accelerated weathering on the mechanical properties of hemp fibre/polybenzoxazine based green composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 128, 105653.	3.8	33
42	Effects of gamma irradiation on the mechanical and thermal properties of cyanate ester/benzoxazine resin. <i>Radiation Physics and Chemistry</i> , 2017, 141, 110-117.	1.4	32
43	Reinforcement of economical and environment friendly Acacia catechu particles for the reduction of brittleness and curing temperature of polybenzoxazine thermosets. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 105, 258-264.	3.8	32
44	Characterization of raw and treated <i>Arundo donax</i> L. cellulosic fibers and their effect on the curing kinetics of bisphenol A-based benzoxazine. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2931-2943.	3.6	32
45	Tunable properties of novel tetra-functional fluorene-based benzoxazines from mixed amines: Synthesis, characterization and curing kinetics. <i>Thermochimica Acta</i> , 2016, 633, 1-11.	1.2	30
46	Synthesis, curing kinetics and thermal properties of novel difunctional chiral and achiral benzoxazines with double chiral centers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 1255-1264.	2.0	28
47	Chemical design and characterization of cellulosic derivatives containing high-nitrogen functional groups: Towards the next generation of energetic biopolymers. <i>Defence Technology</i> , 2022, 18, 537-546.	2.1	27
48	Mechanical and gamma rays shielding properties of a novel fiber-metal laminate based on a basalt/phthalonitrile composite and an Al-Li alloy. <i>Composite Structures</i> , 2019, 210, 421-429.	3.1	26
49	Preparation of amino-functionalized microcrystalline cellulose from <i>Arundo Donax</i> L. and its effect on the curing behavior of bisphenol A-based benzoxazine. <i>Thermochimica Acta</i> , 2021, 698, 178882.	1.2	26
50	Reinforcement of waste hemp fibres in aromatic diamine-based benzoxazine thermosets for the enhancement of mechanical and thermomechanical properties. <i>Plastics, Rubber and Composites</i> , 2017, 46, 442-449.	0.9	25
51	Synthesis of cardanol-based phthalonitrile monomer and its copolymerization with phenol-aniline-based benzoxazine. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47505.	1.3	25
52	Non-isothermal Curing Kinetics of Alkali-treated Alfa Fibers/Polybenzoxazine Composites Using Differential Scanning Calorimetry. <i>ChemistrySelect</i> , 2020, 5, 5374-5386.	0.7	24
53	Copolymerization of mono and difunctional benzoxazine monomers with bio-based phthalonitrile monomer: Curing behaviour, thermal, and mechanical properties. <i>Reactive and Functional Polymers</i> , 2018, 131, 156-163.	2.0	23
54	Effects of aluminium nitride silane-treatment on the mechanical and thermal properties of polybenzoxazine matrix. <i>Plastics, Rubber and Composites</i> , 2016, 45, 72-80.	0.9	22

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55	Multifunctional Hybrid Composites with Enhanced Mechanical and Thermal Properties Based on Polybenzoxazine and Chopped Kevlar/Carbon Hybrid Fibers. <i>Polymers</i> , 2018, 10, 1308.	2.0	21
56	Sustainable and Ecofriendly Chemical Design of High Performance Bio-Based Thermosets for Advanced Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 691117.	1.8	21
57	Morphological, thermal and mechanical properties of benzoxazine resin reinforced with alkali treated alfa fibers. <i>Industrial Crops and Products</i> , 2021, 165, 113423.	2.5	21
58	Biobased thermally-stable aromatic cyanate ester thermosets: A review. <i>Reactive and Functional Polymers</i> , 2021, 168, 105037.	2.0	21
59	Preparation and properties of chitosan particle-reinforced polybenzoxazine blends. <i>Journal of Composite Materials</i> , 2015, 49, 2449-2458.	1.2	20
60	A novel high performance oxazine derivative: design of tetrafunctional monomer, step-wise ring-opening polymerization, improved thermal property and broadened processing window. <i>RSC Advances</i> , 2015, 5, 33623-33631.	1.7	19
61	Effect of ( $\pm$ + $\hat{I}^2$ ) heat treatment on microstructure and mechanical properties of (TiB+TiC)/Ti $\hat{I}$ €“B2O matrix composite. <i>Materials and Design</i> , 2015, 87, 488-494.	3.3	19
62	High performance nanocomposites from Ti <sub>3</sub> SiC <sub>2</sub> MAX phase and phthalonitrile resin. <i>Polymer Composites</i> , 2018, 39, 3705-3711.	2.3	19
63	Evaluation of mechanical and thermal properties of modified epoxy resin by using acacia catechu particles. <i>Materials Chemistry and Physics</i> , 2019, 225, 239-246.	2.0	19
64	High-performance polymer composites with enhanced mechanical and thermal properties from cyanate ester/benzoxazine resin and short Kevlar/glass hybrid fibers. <i>High Performance Polymers</i> , 2019, 31, 719-732.	0.8	18
65	Thermal stability and gamma ray shielding properties of tungsten borides/epoxy micro-composites. <i>Radiation Physics and Chemistry</i> , 2021, 189, 109769.	1.4	18
66	Multifunctional polymer materials with enhanced mechanical, thermal and gamma radiation shielding properties from dicyanate ester of bisphenol-A/bisphenol-A based benzoxazine resin and short kevlar/basalt hybrid fibers. <i>Journal of Polymer Research</i> , 2018, 25, 1.	1.2	17
67	Structural and mechanical characteristics of silane-modified PIPD/basalt hybrid fiber-reinforced polybenzoxazine composites. <i>Materials Chemistry and Physics</i> , 2019, 237, 121850.	2.0	17
68	New oligomeric containing aliphatic moiety phthalonitrile resins: their mechanical and thermal properties in presence of silane surface-modified zirconia nanoparticles. <i>Iranian Polymer Journal (English Edition)</i> , 2016, 25, 503-514.	1.3	16
69	Synthesis of novel multi-functional fluorene-based benzoxazine resins: Polymerization behaviour, curing kinetics, and thermal properties. <i>Reactive and Functional Polymers</i> , 2019, 143, 104344.	2.0	16
70	Preparation and characterization of phthalonitrile resin within hyperbranched structure. <i>High Performance Polymers</i> , 2020, 32, 963-972.	0.8	16
71	Cost Effective Surface-Modified Basalt Fibers-Reinforced Phthalonitrile Composites With Improved Mechanical Properties and Advanced Nuclear Shielding Efficiency. <i>Polymer Composites</i> , 2019, 40, E912.	2.3	15
72	Hybrid phthalonitrile-based materials with advanced mechanical and nuclear shielding performances. <i>Polymer Composites</i> , 2020, 41, 134-141.	2.3	15

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73	Effects of silane surface modified alumina nanoparticles on the mechanical, thermomechanical, and ballistic impact performances of epoxy/oxidized UHMWPE composites. <i>Polymer Composites</i> , 2020, 41, 4526-4537.	2.3	15
74	High-performance polymeric nanocomposites from phthalonitrile resin and silane surface-modified $Ti_3AlC_2$ MAX phase. <i>High Performance Polymers</i> , 2018, 30, 427-436.	0.8	14
75	Improvements of Thermal, Mechanical, and Water-Resistance Properties of Polybenzoxazine/Boron Carbide Nanocomposites. <i>Jom</i> , 2016, 68, 2533-2542.	0.9	13
76	Novel amino-containing fluorene-based bisphthalonitrile compounds with flexible group. <i>High Performance Polymers</i> , 2018, 30, 767-775.	0.8	13
77	Curing behavior and properties of benzoxazine-co-promoted phthalonitrile polymers. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46578.	1.3	13
78	Preparation and characterization of a high heat resistant phthalonitrile resin modified by polyborosilazane ceramic precursor. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1855-1866.	1.6	13
79	Curing behavior, mechanical and thermal properties of epoxy- $CeO_2$ nanocomposites. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51529.	1.3	12
80	Natural fiber reinforced polybenzoxazine composites: A review. <i>Materials Today Communications</i> , 2022, 31, 103645.	0.9	12
81	Synthesis, curing behavior, and thermal properties of fluorene-based benzoxazine-endcapped copoly(ether ketone)s. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 1913-1921.	2.0	11
82	Effect of SiC addition on mechanical properties of hot-pressed $Al_2O_3$ - $GdAlO_3$ ceramics with eutectic composition. <i>Ceramics International</i> , 2018, 44, 9585-9592.	2.3	11
83	Phthalonitrile Resins™ Properties. , 2018, , 55-106.		11
84	Chapter 5. Cellulose Nanoparticles: Extractions. , 2021, , 113-148.		11
85	Outstanding thermal neutrons shields based on epoxy, UHMWPE fibers and boron carbide particles. <i>Applied Radiation and Isotopes</i> , 2021, 176, 109837.	0.7	11
86	Synthesis and properties of novel self-catalytic phthalonitrile monomers with aliphatic chain and their copolymerization with multi-functional fluorene-based benzoxazine monomers. <i>European Polymer Journal</i> , 2021, 161, 110862.	2.6	11
87	Experimental and modeling of thermal and dielectric properties of aluminum nitride-reinforced polybenzoxazine hybrids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 561-570.	2.0	10
88	On the preparation and properties investigations of highly performant MXene ( $Ti_3C_2(OH)_2$ ) nanosheets-reinforced phthalonitrile nanocomposites. <i>Advanced Composites Letters</i> , 2019, 28, 2633366X1989062.	1.3	10
89	Development of lightweight and highly efficient fast neutrons composites shields based on epoxy, UHMWPE fibres and boron carbide particles. <i>Radiation Physics and Chemistry</i> , 2022, 193, 109510.	1.4	10
90	Preparation, dielectric and thermomechanical properties of a novel epoxy resin system cured at room temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24902-24909.	1.1	10

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91	High performance green composite from vanillin-based benzoxazine containing phthalonitrile and silane surface modified basalt fibers. High Performance Polymers, 2022, 34, 989-997.	0.8	10
92	Fiber-Reinforced Phthalonitrile Composites. , 2018, , 241-294.		9
93	Tailoring the desired properties of dicyanate ester of bisphenol-A/bisphenol-A based benzoxazine resin by silane-modified acacia catechu particles. Reactive and Functional Polymers, 2018, 131, 333-341.	2.0	9
94	One-pot synthesis, characterization and polymerization of hyperbranched benzoxazine resins derived from A2+ B3 monomers. Materials Today Communications, 2019, 21, 100638.	0.9	9
95	Trifunctional quinoxaline-based maleimide and its polymer alloys with benzoxazine: Synthesis, characterization, and properties. Journal of Applied Polymer Science, 2021, 138, 49694.	1.3	9
96	Effects of hollow glass microspheres on the polybenzoxazine thermosets: Mechanical, thermal, heat insulation, and morphological properties. Journal of Applied Polymer Science, 2022, 139, 51643.	1.3	9
97	Kevlar fabric reinforced polybenzoxazine composites filled with silane treated microcrystalline cellulose in the interlayers: The next generation of multi-layered armor panels. Defence Technology, 2022, 18, 2000-2007.	2.1	9
98	Diatomite-filled epoxy resin composites: Curing behavior, dielectric, and thermal properties. Polymer Composites, 2022, 43, 422-429.	2.3	9
99	Fabrication Process, Tensile, and Gamma Rays Shielding Properties of Newly Developed Fiber Metal Laminates Based on an Al-Li Alloy and Carbon Fibers-Tungsten Carbide Nanoparticles Reinforced Phthalonitrile Resin Composite. Advanced Engineering Materials, 2019, 21, 1800779.	1.6	8
100	On the mechanical and morphological properties of highly performant composite laminates based on epoxy resin and oxidized ultrahigh-molecular-weight polyethylene fibers. High Performance Polymers, 2020, 32, 992-1000.	0.8	8
101	Effect of different chemical treatments and loadings of <i>Arundo donax</i> L. fibers on the dynamic mechanical, thermal, and morphological properties of bisphenol A aniline based polybenzoxazine composites. Polymer Composites, 2021, 42, 5199-5208.	2.3	8
102	Microstructure, mechanical and thermo-physical properties of hot-pressed Al <sub>2</sub> O <sub>3</sub> -GdAlO <sub>3</sub> -ZrO <sub>2</sub> ceramics with eutectic composition. Progress in Natural Science: Materials International, 2017, 27, 491-497.	1.8	7
103	Synergetic effects of short carbon/basalt hybrid fibers on the mechanical, thermal and nuclear shielding properties of DCBA/BA-a resin composites. Composites Communications, 2019, 15, 179-185.	3.3	7
104	Exploring the hybrid effects of short glass/basalt fibers on the mechanical, thermal and gamma-radiation shielding properties of DCBA/BA-a resin composites. Polymer-Plastics Technology and Materials, 2020, 59, 311-322.	0.6	7
105	Structural, morphological and mechanical properties of hyperbranched polymers coated carbon fibers reinforced DCBA/BA-a composites. Composite Interfaces, 2020, 27, 905-919.	1.3	7
106	Optimization of bio-oil production from Pistacia lentiscus seed liquefaction and its effect on diesel engine performance and pollutant emissions. Biomass Conversion and Biorefinery, 2022, 12, 3359-3372.	2.9	7
107	Studies on the curing behavior, thermal, and mechanical properties of epoxy resin-amine-functionalized lead phthalocyanine. Journal of Applied Polymer Science, 2020, 137, 48983.	1.3	7
108	Benzoxazine resin as an interesting building block for advanced neutrons shields. High Performance Polymers, 2021, 33, 1116-1123.	0.8	7



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109	Pinecone particles filled polybenzoxazine composites: Thermomechanical and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51279.	1.3	7
110	Novel self-promoted phthalonitrile monomer with siloxane segments: synthesis, curing kinetics, and thermal properties. <i>New Journal of Chemistry</i> , 2022, 46, 4072-4081.	1.4	7
111	Thermal properties of a series of tetrafunctional fluorene-based oxazines/P-a blends. <i>High Performance Polymers</i> , 2017, 29, 1139-1147.	0.8	6
112	Simultaneous toughening and reinforcing of cyanate ester/benzoxazine resins with improved mechanical and thermal properties by using hyperbranched polyesters. <i>Journal of Polymer Engineering</i> , 2018, 38, 839-848.	0.6	6
113	Enhancing the Mechanical and Thermal Properties of Dicyanate Ester of Bisphenol-A/Bisphenol-A Based Benzoxazine Resin Blend by Using Short Glass Fibers. <i>Fibers and Polymers</i> , 2019, 20, 811-822.	1.1	6
114	Processability and mechanical properties of surface-modified glass-fibres/phthalonitrile composite and Al-Li alloy fibre-metal-laminates. <i>Materials Science and Technology</i> , 2019, 35, 661-668.	0.8	6
115	SiBCN ceramic precursor modified phthalonitrile resin with high thermal resistance. <i>High Performance Polymers</i> , 0, , 095400832097761.	0.8	6
116	Advanced hybrid materials from epoxy, oxidized UHMWPE fibers and silane surface modified silicon nitride nanoparticles. <i>High Performance Polymers</i> , 2021, 33, 440-450.	0.8	6
117	Curing characteristics, kinetics, and thermal properties of multifunctional fluorene benzoxazines containing hydroxyl groups. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50131.	1.3	6
118	Synthesis and properties of a novel autocatalytic phthalonitrile monomer and its copolymerization with multifunctional fluorene-based benzoxazine monomers. <i>Journal of Applied Polymer Science</i> , 0, , 52193.	1.3	6
119	Novel vanillin-based benzoxazine containing phthalonitrile thermosetting system: Simple synthesis, autocatalytic polymerization and high thermomechanical properties. <i>High Performance Polymers</i> , 2022, 34, 818-827.	0.8	6
120	Evolution of Microstructure, Mechanical Properties, and Thermal Conductivity of an Al-Li-Cu-Mg-Zr Alloy Processed by Accumulative Roll Bonding (ARB). <i>Jom</i> , 2019, 71, 4096-4104.	0.9	5
121	Amino-Functionalized Lead Phthalocyanine-Modified Benzoxazine Resin: Curing Kinetics, Thermal, and Mechanical Properties. <i>Polymers</i> , 2019, 11, 1855.	2.0	5
122	Impact of sodium bicarbonate treatment of waste hemp fibers on the properties of dicyanate ester of bisphenol-A/bisphenol-A-based benzoxazine resin composites. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019, 233, 2126-2139.	0.7	5
123	Study of gamma-ray radiation effects on series of bisphthalonitrile resins: Thermomechanical, mechanical, and thermal properties. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48313.	1.3	5
124	Synthesis of novel allylamine-fluorene based benzoxazine and its copolymerization with typical benzoxazine: curing behavior and thermal properties. <i>New Journal of Chemistry</i> , 2020, 44, 18917-18928.	1.4	5
125	Toward an efficient stress transfer with a fully connected hybrid network from epoxy, oxidized UHMWPE fibers, and silane surface modified silicon carbide nanoparticles. <i>Polymer Composites</i> , 2021, 42, 462-473.	2.3	5
126	Development of highly performant hybrid materials based on phthalonitrile resin for a simultaneous ballistic and nuclear shielding protection. <i>High Performance Polymers</i> , 2021, 33, 217-227.	0.8	5



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127	Highly advanced phthalonitrile composites from epoxy-terminated hyperbranched poly(trimellitic anhydride) Tj ETQq1.1.0.784314 rgBT / DV	2.3	5
128	Synthesis and Characterization of Microcrystalline Cellulose from Giant Reed Using Different Delignification Processes. <i>Materials Horizons</i> , 2021, , 173-187.	0.3	5
129	High Performance Dual Ballistic and Thermal Neutrons Shields From Kevlar Fibers Reinforced Epoxy/B4C Hybrid Composites. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	5
130	Electromagnetic interference shielding effectiveness of polypyrrole-silver nanocomposite films on silane-modified flexible sheet. <i>High Performance Polymers</i> , 2022, 34, 310-320.	0.8	5
131	Ceramic-Based Polybenzoxazine Micro- and Nanocomposites. , 2017, , 861-919.		4
132	Preparation and characterization of a new high-performance polymer composite and its application as a lead-free polymer-based projectile. <i>High Performance Polymers</i> , 2020, 32, 550-558.	0.8	4
133	Mannich reaction as an interesting synthetic route for the development of energetic benzoxazine polymers. <i>Materials Today Communications</i> , 2021, 29, 102878.	0.9	4
134	Cellulose Fibers and Nanocrystals: Preparation, Characterization, and Surface Modification. , 2020, , 171-190.		4
135	Synthesis and characterization of nitrogen-rich polybenzoxazines for energetic applications. <i>High Performance Polymers</i> , 2022, 34, 455-464.	0.8	4
136	Artificial neural network prediction of thermal and mechanical properties for <sup>2</sup>Bi <sup>3</sup>O- $\epsilon$ -polybenzoxazine nanocomposites. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	4
137	Efficient Synthesis of Pyridin-2(1H)-ones From a Series of Readily Available Enaminones Under Mild Conditions. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 2732-2736.	1.4	3
138	X-Functional Phthalonitrile Monomers and Polymers. , 2018, , 107-174.		3
139	Effect of TiC Content on Tensile Properties, Bend Strength, and Thermal Conductivity of Al-Li-Cu-Mg-Zr Alloy/TiC Composites Produced by Accumulative Roll Bonding. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 3253-3263.	1.2	2
140	<sup>2</sup>Bi- $\epsilon$ -polybenzoxazine-hazelnut shell composites: Curing behavior, thermal stability, mechanical properties, and material stress analysis. <i>Polymer Composites</i> , 2022, 43, 4351-4357.	2.3	2
141	Phthalonitrile-Based Blends and Copolymers. , 2018, , 175-239.		1
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