Mr Saeb

List of Publications by Year
in descending order

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199 papers	8,103 citations	38742 50 h-index	74163 75 g-index
200 all docs	200 docs citations	200 times ranked	4621 citing authors

#	Article	IF	Citations
1	Electrospinning for tissue engineering applications. Progress in Materials Science, 2021, 117, 100721.	32.8	378
2	Thermo-sensitive polymers in medicine: A review. European Polymer Journal, 2019, 117, 402-423.	5.4	206
3	Poloxamer: A versatile tri-block copolymer for biomedical applications. Acta Biomaterialia, 2020, 110, 37-67.	8.3	188
4	Chitosan in Biomedical Engineering: A Critical Review. Current Stem Cell Research and Therapy, 2019, 14, 93-116.	1.3	165
5	Efficient removal of cationic dyes from colored wastewaters by dithiocarbamate-functionalized graphene oxide nanosheets: From synthesis to detailed kinetics studies. Journal of the Taiwan Institute of Chemical Engineers, 2017, 81, 239-246.	5.3	143
6	Epoxy/PAMAM dendrimer-modified graphene oxide nanocomposite coatings: Nonisothermal cure kinetics study. Progress in Organic Coatings, 2018, 114, 233-243.	3.9	135
7	Agarose-based biomaterials for advanced drug delivery. Journal of Controlled Release, 2020, 326, 523-543.	9.9	134
8	Highly curable epoxy/MWCNTs nanocomposites: An effective approach to functionalization of carbon nanotubes. Chemical Engineering Journal, 2015, 259, 117-125.	12.7	131
9	Hydrogel membranes: A review. Materials Science and Engineering C, 2020, 114, 111023.	7.3	117
10	Surface engineering of nanoparticles with macromolecules for epoxy curing: Development of super-reactive nitrogen-rich nanosilica through surface chemistry manipulation. Applied Surface Science, 2018, 447, 152-164.	6.1	112
11	Bushy-surface hybrid nanoparticles for developing epoxy superadhesives. Applied Surface Science, 2019, 479, 1148-1160.	6.1	112
12	â€˜Cure Indexâ€™ for thermoset composites. Progress in Organic Coatings, 2019, 127, 429-434.	3.9	107
13	Antibacterial glass-ionomer cement restorative materials: A critical review on the current status of extended release formulations. Journal of Controlled Release, 2017, 262, 317-328.	9.9	104
14	Conductive polymers in water treatment: A review. Journal of Molecular Liquids, 2020, 312, 113447.	4.9	104
15	Highly curable self-healing vitrimer-like cellulose-modified halloysite nanotube/epoxy nanocomposite coatings. Chemical Engineering Journal, 2020, 396, 125196.	12.7	103
16	Epoxy/starch-modified nano-zinc oxide transparent nanocomposite coatings: A showcase of superior curing behavior. Progress in Organic Coatings, 2018, 115, 143-150.	3.9	99
17	Metal-Organic Framework (MOF)/Epoxy Coatings: A Review. Materials, 2020, 13, 2881.	2.9	99
18	Flame retardant epoxy/halloysite nanotubes nanocomposite coatings: Exploring low-concentration threshold for flammability compared to expandable graphite as superior fire retardant. Progress in Organic Coatings, 2018, 119, 8-14.	3.9	98

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19	Short-lasting fire in partially and completely cured epoxy coatings containing expandable graphite and halloysite nanotube additives. Progress in Organic Coatings, 2018, 123, 160-167.	3.9	97
20	Chitosan-based blends for biomedical applications. International Journal of Biological Macromolecules, 2021, 183, 1818-1850.	7.5	97
21	Soft and hard sections from cellulose-reinforced poly(lactic acid)-based food packaging films: A critical review. Food Packaging and Shelf Life, 2020, 23, 100429.	7.5	93
22	Properties of nano-Fe3O4 incorporated epoxy coatings from Cure Index perspective. Progress in Organic Coatings, 2019, 133, 220-228.	3.9	92
23	Curing behavior of epoxy/Fe3O4 nanocomposites: A comparison between the effects of bare Fe3O4, Fe3O4/SiO2/chitosan and Fe3O4/SiO2/chitosan/imide/phenylalanine-modified nanofillers. Progress in Organic Coatings, 2018, 123, 10-19.	3.9	89
24	Protocol for nonisothermal cure analysis of thermoset composites. Progress in Organic Coatings, 2019, 131, 333-339.	3.9	87
25	Hyperbranched poly(ethyleneimine) physically attached to silica nanoparticles to facilitate curing of epoxy nanocomposite coatings. Progress in Organic Coatings, 2018, 120, 100-109.	3.9	83
26	Development and curing potential of epoxy/starch-functionalized graphene oxide nanocomposite coatings. Progress in Organic Coatings, 2018, 119, 194-202.	3.9	83
27	Natural Polymers Decorated MOF-MXene Nanocarriers for Co-delivery of Doxorubicin/pCRISPR. ACS Applied Bio Materials, 2021, 4, 5106-5121.	4.6	78
28	Acid-aided epoxy-amine curing reaction as reflected in epoxy/Fe3O4 nanocomposites: Chemistry, mechanism, and fracture behavior. Progress in Organic Coatings, 2018, 125, 384-392.	3.9	77
29	Transparent nanocomposite coatings based on epoxy and layered double hydroxide: Nonisothermal cure kinetics and viscoelastic behavior assessments. Progress in Organic Coatings, 2017, 113, 126-135.	3.9	76
30	Chitosan-based inks for 3D printing and bioprinting. Green Chemistry, 2022, 24, 62-101.	9.0	76
31	High-performance epoxy-based adhesives reinforced with alumina and silica for carbon fiber composite/steel bonded joints. Journal of Reinforced Plastics and Composites, 2016, 35, 1685-1695.	3.1	74
32	Quantum dots for photocatalysis: synthesis and environmental applications. Green Chemistry, 2021, 23, 4931-4954.	9.0	72
33	Synthesis, characterization, and high potential of 3D metalâ€“organic framework (MOF) nanoparticles for curing with epoxy. Journal of Alloys and Compounds, 2020, 829, 154547.	5.5	71
34	Curing epoxy resin with anhydride in the presence of halloysite nanotubes: the contradictory effects of filler concentration. Progress in Organic Coatings, 2019, 126, 129-135.	3.9	70
35	Epoxy/layered double hydroxide (LDH) nanocomposites: Synthesis, characterization, and Excellent cure feature of nitrate anion intercalated Zn-Al LDH. Progress in Organic Coatings, 2019, 136, 105218.	3.9	67
36	Cure Kinetics of Epoxy Nanocomposites Affected by MWCNTs Functionalization: A Review. Scientific World Journal, The, 2013, 2013, 1-14.	2.1	66

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37	Surface chemistry of halloysite nanotubes controls the curability of low filled epoxy nanocomposites. Progress in Organic Coatings, 2019, 135, 555-564.	3.9	65
38	Green metal-organic frameworks (MOFs) for biomedical applications. Microporous and Mesoporous Materials, 2022, 335, 111670.	4.4	65
39	Folic Acid-Adorned Curcumin-Loaded Iron Oxide Nanoparticles for Cervical Cancer. ACS Applied Bio Materials, 2022, 5, 1305-1318.	4.6	65
40	Design, preparation, and characterization of fast cure epoxy/amineâ€functionalized graphene oxide nanocomposites. Polymer Composites, 2018, 39, E2016.	4.6	63
41	Cure kinetics of epoxy/ Î² -cyclodextrin-functionalized Fe 3 O 4 nanocomposites: Experimental analysis, mathematical modeling, and molecular dynamics simulation. Progress in Organic Coatings, 2017, 110, 172-181.	3.9	62
42	Morphology and mechanical properties of polyamide/clay nanocomposites toughened with NBR/NBR-g-GMA: A comparative study. Composites Part B: Engineering, 2016, 90, 478-484.	12.0	61
43	Cure kinetics of epoxy/MWCNTs nanocomposites: Isothermal calorimetric and rheological analyses. Progress in Organic Coatings, 2017, 108, 75-83.	3.9	60
44	Cure Index demonstrates curing of epoxy composites containing silica nanoparticles of variable morphology and porosity. Progress in Organic Coatings, 2019, 135, 176-184.	3.9	60
45	Efficient removal of dyes and proteins by nitrogen-doped porous graphene blended polyethersulfone nanocomposite membranes. Chemosphere, 2021, 263, 127892.	8.2	58
46	Turning Toxic Nanomaterials into a Safe and Bioactive Nanocarrier for Co-delivery of DOX/pCRISPR. ACS Applied Bio Materials, 2021, 4, 5336-5351.	4.6	57
47	Calorimetric analysis and molecular dynamics simulation of cure kinetics of epoxy/chitosan-modified Fe3O4 nanocomposites. Progress in Organic Coatings, 2017, 112, 176-186.	3.9	56
48	Biowaste chicken eggshell powder as a potential cure modifier for epoxy/anhydride systems: competitiveness with terpolymer-modified calcium carbonate at low loading levels. RSC Advances, 2017, 7, 2218-2230.	3.6	55
49	From microporous to mesoporous mineral frameworks: An alliance between zeolite and chitosan. Carbohydrate Research, 2020, 489, 107930.	2.3	55
50	Poloxamer-based stimuli-responsive biomaterials. Materials Today: Proceedings, 2018, 5, 15516-15523.	1.8	54
51	Inclusion of modified lignocellulose and nano-hydroxyapatite in development of new bio-based adjuvant flame retardant for poly(lactic acid). Thermochimica Acta, 2018, 666, 51-59.	2.7	52
52	Multi-nationality epoxy adhesives on trial for future nanocomposite developments. Progress in Organic Coatings, 2019, 133, 376-386.	3.9	52
53	Electroactive poly (p-phenylene sulfide)/r-graphene oxide/chitosan as a novel potential candidate for tissue engineering. International Journal of Biological Macromolecules, 2020, 154, 18-24.	7.5	51
54	Cure kinetics of epoxy/chicken eggshell biowaste composites: Isothermal calorimetric and chemorheological analyses. Progress in Organic Coatings, 2018, 114, 208-215.	3.9	49

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55	Mesenchymal Stem Cell Spheroids Embedded in an Injectable Thermosensitive Hydrogel: An In Situ Drug Formation Platform for Accelerated Wound Healing. ACS Biomaterials Science and Engineering, 2020, 6, 5096-5109.	5.2	48
56	Cure kinetics of epoxy/MWCNTs nanocomposites: Nonisothermal calorimetric and rheokinetic techniques. Journal of Applied Polymer Science, 2017, 134, 45221.	2.6	47
57	Curing Kinetics and Thermal Stability of Epoxy Composites Containing Newly Obtained Nano-Scale Aluminum Hypophosphite (AlPO2). Polymers, 2020, 12, 644.	4.5	47
58	Metal-Organic Frameworks (MOFs)-Based Nanomaterials for Drug Delivery. Materials, 2021, 14, 3652.	2.9	47
59	Polysaccharides in fabrication of membranes: A review. Carbohydrate Polymers, 2022, 281, 119041.	10.2	47
60	Green CoNi2S4/porphyrin decorated carbon-based nanocomposites for genetic materials detection. Journal of Bioresources and Bioproducts, 2021, 6, 215-222.	20.5	46
61	Thermal decomposition kinetics of dynamically vulcanized polyamide 6â€“acrylonitrile butadiene rubberâ€“halloysite nanotube nanocomposites. Journal of Applied Polymer Science, 2019, 136, 47483.	2.6	44
62	Metalâ€“Organic Frameworks (MOFs) for Cancer Therapy. Materials, 2021, 14, 7277.	2.9	44
63	Cure Index for labeling curing potential of epoxy/LDH nanocomposites: A case study on nitrate anion intercalated Ni-Al-LDH. Progress in Organic Coatings, 2019, 136, 105228.	3.9	43
64	Multifunctional 3D Hierarchical Bioactive Green Carbon-Based Nanocomposites. ACS Sustainable Chemistry and Engineering, 2021, 9, 8706-8720.	6.7	43
65	Hyperbranched polyethylenimine functionalized silica/polysulfone nanocomposite membranes for water purification. Chemosphere, 2022, 290, 133363.	8.2	43
66	Thin films of epoxy adhesives containing recycled polymers and graphene oxide nanoflakes for metal/polymer composite interface. Progress in Organic Coatings, 2019, 136, 105201.	3.9	42
67	An attempt to mechanistically explain the viscoelastic behavior of transparent epoxy/starch-modified ZnO nanocomposite coatings. Progress in Organic Coatings, 2018, 119, 171-182.	3.9	41
68	Cure kinetics of epoxy/graphene oxide (GO) nanocomposites: Effect of starch functionalization of GO nanosheets. Progress in Organic Coatings, 2019, 136, 105217.	3.9	41
69	Crystalline polysaccharides: A review. Carbohydrate Polymers, 2022, 275, 118624.	10.2	41
70	Highly antifouling polymer-nanoparticle-nanoparticle/polymer hybrid membranes. Science of the Total Environment, 2022, 810, 152228.	8.0	41
71	Fabricating an electroactive injectable hydrogel based on pluronic-chitosan/aniline-pentamer containing angiogenic factor for functional repair of the hippocampus ischemia rat model. Materials Science and Engineering C, 2020, 117, 111328.	7.3	39
72	Flame Retardant Polypropylenes: A Review. Polymers, 2020, 12, 1701.	4.5	39

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73	Metal-organic frameworks (MOF) based heat transfer: A comprehensive review. Chemical Engineering Journal, 2022, 449, 137700.	12.7	39
74	Application of compatibilized polymer blends in biomedical fields. , 2020, , 511-537.		38
75	State of cure in silicone/clay nanocomposite coatings: The puzzle and the solution. Progress in Organic Coatings, 2018, 125, 222-233.	3.9	37
76	Superâ€crosslinked ionic liquidâ€intercalated montmorillonite/epoxy nanocomposites: Cure kinetics, viscoelastic behavior and thermal degradation mechanism. Polymer Engineering and Science, 2020, 60, 1940-1957.	3.1	37
77	Description of complementary actions of mineral and organic additives in thermoplastic polymer composites by Flame Retardancy Index. Polymers for Advanced Technologies, 2019, 30, 2056-2066.	3.2	36
78	Three in one: Î²â€cyclodextrin, nanohydroxyapatite, and a nitrogenâ€rich polymer integrated into a new flame retardant for poly (lactic acid). Fire and Materials, 2018, 42, 593-602.	2.0	35
79	Polyhedral oligomeric silsesquioxane/epoxy coatings: a review. Surface Innovations, 2021, 9, 3-16.	2.3	35
80	On the reliability of existing theoretical models in anticipating type of morphology and domain size in HDPE/PA-6/EVOH ternary blends. European Polymer Journal, 2014, 53, 1-12.	5.4	34
81	Development of Mg-Zn-Al-CO3 ternary LDH and its curability in epoxy/amine system. Progress in Organic Coatings, 2019, 136, 105264.	3.9	34
82	Well-cured silicone/halloysite nanotubes nanocomposite coatings. Progress in Organic Coatings, 2019, 129, 357-365.	3.9	34
83	Nonisothermal cure kinetics of epoxy/MnxFe3-xO4 nanocomposites. Progress in Organic Coatings, 2020, 140, 105505.	3.9	34
84	Green porous benzamide-like nanomembranes for hazardous cations detection, separation, and concentration adjustment. Journal of Hazardous Materials, 2022, 423, 127130.	12.4	34
85	A facile approach to fabricate load-bearing porous polymer scaffolds for bone tissue engineering. Advanced Composites and Hybrid Materials, 2022, 5, 1376-1384.	21.1	34
86	Effect of Surface Treatment of Halloysite Nanotubes (HNTs) on the Kinetics of Epoxy Resin Cure with Amines. Polymers, 2020, 12, 930.	4.5	32
87	Injectable Cell-Laden Hydrogels for Tissue Engineering: Recent Advances and Future Opportunities. Tissue Engineering - Part A, 2021, 27, 821-843.	3.1	32
88	Curing epoxy with Mg-Al LDH nanoplatelets intercalated with carbonate ion. Progress in Organic Coatings, 2019, 136, 105278.	3.9	31
89	Injectable poloxamer/graphene oxide hydrogels with wellâ€controlled mechanical and rheological properties. Polymers for Advanced Technologies, 2019, 30, 2250-2260.	3.2	31
90	Theranostic Platforms Proposed for Cancerous Stem Cells: A Review. Current Stem Cell Research and Therapy, 2019, 14, 137-145.	1.3	31

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91	Bioactive hybrid metal-organic framework (MOF)-based nanosensors for optical detection of recombinant SARS-CoV-2 spike antigen. Science of the Total Environment, 2022, 825, 153902.	8.0	31
92	Nanotechnology-assisted microfluidic systems: from bench to bedside. Nanomedicine, 2021, 16, 237-258.	3.3	30
93	Chlorine-free extraction and structural characterization of cellulose nanofibers from waste husk of millet (Pennisetum glaucum). International Journal of Biological Macromolecules, 2022, 206, 92-104.	7.5	30
94	Rheologyâ€morphology correlation in <scp>PET/PP</scp> blends: Influence of type of compatibilizer. Journal of Vinyl and Additive Technology, 2013, 19, 25-30.	3.4	29
95	Intelligent Monte Carlo: A New Paradigm for Inverse Polymerization Engineering. Macromolecular Theory and Simulations, 2018, 27, 1700106.	1.4	29
96	Curing epoxy with electrochemically synthesized Gd Fe3-O4 magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105245.	3.9	29
97	Green chemistry and coronavirus. Sustainable Chemistry and Pharmacy, 2021, 21, 100415.	3.3	29
98	Electrically conductive carbonâ€based (bio)â€nanomaterials for cardiac tissue engineering. Bioengineering and Translational Medicine, 2023, 8, .	7.1	29
99	CaZnO-based nanoghosts for the detection of ssDNA, pCRISPR and recombinant SARS-CoV-2 spike antigen and targeted delivery of doxorubicin. Chemosphere, 2022, 306, 135578.	8.2	28
100	SEBS-g-MAH as a Reactive Compatibilizer Precursor for PP/PTT/SEBS Ternary Blends: Morphology and Mechanical Properties. Polymer-Plastics Technology and Engineering, 2013, 52, 206-212.	1.9	27
101	Competitiveness and synergy between three flame retardants in poly(ethylene- co -vinyl acetate). Polymer Degradation and Stability, 2017, 143, 164-175.	5.8	27
102	Curing epoxy with electrochemically synthesized Ni Fe3-O4 magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105198.	3.9	27
103	Biodegradable polyester thin films and coatings in the line of fire: the time of polyhydroxyalkanoate (PHA)?. Progress in Organic Coatings, 2019, 133, 85-89.	3.9	27
104	Morphology Prediction in HDPE/PAâ€6/EVOH Ternary Blends: Defining the Role of Elasticity Ratio. Macromolecular Chemistry and Physics, 2012, 213, 1791-1802.	2.2	26
105	Advanced Delivery Systems Based on Lysine or Lysine Polymers. Molecular Pharmaceutics, 2021, 18, 3652-3670.	4.6	26
106	Green products from herbal medicine wastes by subcritical water treatment. Journal of Hazardous Materials, 2022, 424, 127294.	12.4	26
107	Green Polymer Nanocomposites for Skin Tissue Engineering. ACS Applied Bio Materials, 2022, 5, 2107-2121.	4.6	26
108	Polydopamine Biomaterials for Skin Regeneration. ACS Biomaterials Science and Engineering, 2022, 8, 2196-2219.	5.2	26

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109	Toward In Situ Compatibilization of Polyolefin Ternary Blends through Morphological Manipulations. Macromolecular Materials and Engineering, 2014, 299, 1197-1212.	3.6	25
110	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized Zn Fe3-O4 magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105227.	3.9	25
111	Cell-Seeded Biomaterial Scaffolds: The Urgent Need for Unanswered Accelerated Angiogenesis. International Journal of Nanomedicine, 2022, Volume 17, 1035-1068.	6.7	25
112	Taguchiâ€based analysis of polyamide 6/acrylonitrileâ€“butadiene rubber/nanoclay nanocomposites: The role of processing variables. Journal of Applied Polymer Science, 2013, 130, 820-828.	2.6	23
113	Electrocatalytic hydrogen evolution on the noble metal-free MoS2/carbon nanotube heterostructure: a theoretical study. Scientific Reports, 2021, 11, 3958.	3.3	23
114	Curing epoxy with electrochemically synthesized Zn Fe3-O4 magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105246.	3.9	22
115	Curing epoxy with polyethylene glycol (PEG) surface-functionalized NixFe3-xO4magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105250.	3.9	22
116	Imidazole-functionalized nitrogen-rich Mg-Al-CO3 layered double hydroxide for developing highly crosslinkable epoxy with high thermal and mechanical properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 611, 125826.	4.7	22
117	Polysaccharide-based electroconductive hydrogels: Structure, properties and biomedical applications. Carbohydrate Polymers, 2022, 278, 118998.	10.2	22
118	Mechanical, rheological, and thermal behavior assessments in HDPE/PA-6/EVOH ternary blends with variable morphology. Journal of Polymer Research, 2014, 21, 1.	2.4	21
119	Reactive Compatibilization of Ternary Polymer Blends with Coreâ€“Shell Type Morphology. Macromolecular Materials and Engineering, 2015, 300, 86-98.	3.6	21
120	Polyurethane coatings reinforced with 3-(triethoxysilyl)propyl isocyanate functionalized graphene oxide nanosheets: Mechanical and anti-corrosion properties. Progress in Organic Coatings, 2019, 136, 105243.	3.9	21
121	Insight into the Self-Insertion of a Protein Inside the Boron Nitride Nanotube. ACS Omega, 2020, 5, 32051-32058.	3.5	21
122	Encapsulation of an anticancer drug Isatin inside a host nano-vehicle SWCNT: a molecular dynamics simulation. Scientific Reports, 2021, 11, 18753.	3.3	21
123	Integration of antifouling properties into epoxy coatings: a review. Journal of Coatings Technology Research, 2022, 19, 269-284.	2.5	21
124	Human Organsâ€onâ€Chips: A Review of the Stateâ€ofâ€theâ€Art, Current Prospects, and Future Challenges. Advanced Biology, 2022, 6, e2000526.	2.5	21
125	Crystallization kinetics study of dynamically vulcanized PA6/NBR/HNTs nanocomposites by nonisothermal differential scanning calorimetry. Journal of Applied Polymer Science, 2018, 135, 46488.	2.6	20
126	Reactive Sintering of Ground Tire Rubber (GTR) Modified by a Trans-Polyoctenamer Rubber and Curing Additives. Polymers, 2020, 12, 3018.	4.5	20

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127	Microstructure and Mechanical Properties of Carboxylated Nitrile Butadiene Rubber/Epoxy/XNBR-grafted Halloysite Nanotubes Nanocomposites. Polymers, 2020, 12, 1192.	4.5	20
128	Boron Nitride Nanotube as an Antimicrobial Peptide Carrier: A Theoretical Insight. International Journal of Nanomedicine, 2021, Volume 16, 1837-1847.	6.7	20
129	Theoretical Encapsulation of Fluorouracil (5-FU) Anti-Cancer Chemotherapy Drug into Carbon Nanotubes (CNT) and Boron Nitride Nanotubes (BNNT). Molecules, 2021, 26, 4920.	3.8	20
130	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized Mn Fe3-O4 magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105247.	3.9	19
131	Coffee Wastes as Sustainable Flame Retardants for Polymer Materials. Coatings, 2021, 11, 1021.	2.6	19
132	Mission impossible for cellular internalization: When porphyrin alliance with UiO-66-NH2 MOF gives the cell lines a ride. Journal of Hazardous Materials, 2022, 436, 129259.	12.4	19
133	The Influence of NBR-g-GMA Compatibilizer on the Morphology and Mechanical Properties of Poly (ethylene terephthalate)/Polycarbonate/NBR Ternary Blends. Polymer-Plastics Technology and Engineering, 2013, 52, 1295-1302.	1.9	18
134	Synthesis of green benzamide-decorated UiO-66-NH2 for biomedical applications. Chemosphere, 2022, 299, 134359.	8.2	18
135	An insight into thermal properties of BC3-graphene hetero-nanosheets: a molecular dynamics study. Scientific Reports, 2021, 11, 23064.	3.3	17
136	Emerging Phospholipid Nanobiomaterials for Biomedical Applications to Lab-on-a-Chip, Drug Delivery, and Cellular Engineering. ACS Applied Bio Materials, 2021, 4, 8110-8128.	4.6	17
137	Tandem organic dye-sensitized solar cells: Looking for higher performance and durability. Photonics and Nanostructures - Fundamentals and Applications, 2018, 31, 34-43.	2.0	16
138	Fracture fingerprint of polycrystalline C3N nanosheets: Theoretical basis. Journal of Molecular Graphics and Modelling, 2021, 106, 107899.	2.4	16
139	Polyurethane/Silane-Functionalized ZrO2 Nanocomposite Powder Coatings: Thermal Degradation Kinetics. Coatings, 2020, 10, 413.	2.6	15
140	Thermal conductivity of random polycrystalline BC3 nanosheets: A step towards realistic simulation of 2D structures. Journal of Molecular Graphics and Modelling, 2021, 107, 107977.	2.4	15
141	In-Out Surface Modification of Halloysite Nanotubes (HNTs) for Excellent Cure of Epoxy: Chemistry and Kinetics Modeling. Nanomaterials, 2021, 11, 3078.	4.1	15
142	Curing epoxy with ethylenediaminetetraacetic acid (EDTA) surface-functionalized Co Fe3-O4 magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105248.	3.9	14
143	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized NixFe3-xO4 magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105259.	3.9	14
144	Phosphorization of exfoliated graphite for developing flame retardant ethylene vinyl acetate composites. Journal of Materials Research and Technology, 2020, 9, 7341-7353.	5.8	14

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145	Tripleâ€faced polypropylene: Fire retardant, thermally stable, and antioxidative. Journal of Vinyl and Additive Technology, 2019, 25, 366-376.	3.4	13
146	Thermal-Resistant Polyurethane/Nanoclay Powder Coatings: Degradation Kinetics Study. Coatings, 2020, 10, 871.	2.6	13
147	A Comparative Study on Cure Kinetics of Layered Double Hydroxide (LDH)/Epoxy Nanocomposites. Journal of Composites Science, 2020, 4, 111.	3.0	13
148	Nonisothermal Cure Kinetics of Epoxy/Polyvinylpyrrolidone Functionalized Superparamagnetic Nano-Fe3O4 Composites: Effect of Zn and Mn Doping. Journal of Composites Science, 2020, 4, 55.	3.0	13
149	Halloysite nanotubes (HNTs)/polymer nanocomposites: thermal degradation and flame retardancy. , 2020, , 67-93.		13
150	Cellulosic bionanocomposites based on acrylonitrile butadiene rubber and Cuscuta reflexa:Âadjusting structure-properties balance for higher performance. Cellulose, 2021, 28, 7053-7073.	4.9	13
151	GTR/Thermoplastics Blends: How Do Interfacial Interactions Govern Processing and Physico-Mechanical Properties?. Materials, 2022, 15, 841.	2.9	13
152	Interface evaluation in the ternary blends of HDPE/PA-6/EVOH. Polymer Bulletin, 2014, 71, 613-624.	3.3	12
153	Structureâ€“property relationships in ternary polymer blends with coreâ€“shell inclusions: revisiting the critical role of the viscosity ratio. Journal of Polymer Research, 2016, 23, 1.	2.4	12
154	Curing epoxy with electrochemically synthesized Co Fe3-O4 magnetic nanoparticles. Progress in Organic Coatings, 2019, 137, 105252.	3.9	12
155	Synthesis of Cost-Effective Hierarchical MFI-Type Mesoporous Zeolite: Introducing Diatomite as Silica Source. Silicon, 2021, 13, 3461-3472.	3.3	12
156	Silaneâ€functionalized Al 2 O 3 â€modified polyurethane powder coatings: Nonisothermal degradation kinetics and mechanistic insights. Journal of Applied Polymer Science, 2020, 137, 49412.	2.6	12
157	Amineâ€functionalized <scp>metalâ€“organic</scp> frameworks/epoxy nanocomposites: <scp>Structureâ€properties</scp> relationships. Journal of Applied Polymer Science, 2021, 138, 51005.	2.6	12
158	Green carbon-based nanocompositeÂbiomaterials through the lens of microscopes. Emergent Materials, 2022, 5, 665-671.	5.7	12
159	Identifying Morphological Changes in Immiscible Polyolefin Ternary Blends. Polymer-Plastics Technology and Engineering, 2014, 53, 1142-1149.	1.9	11
160	Application of Taguchi approach in describing the mechanical properties and thermal decomposition behavior of poly(vinyl chloride)/clay nanocomposites: Highlighting the Role of organic modifier. Journal of Vinyl and Additive Technology, 2016, 22, 182-190.	3.4	11
161	Calorimetric and rheokinetic analyses merged to capture crystallization kinetics in polyamide/clay nanocomposites: Revisiting predictability of models. Journal of Applied Polymer Science, 2018, 135, 46364.	2.6	11
162	Hopes Beyond PET Recycling: Environmentally Clean and Engineeringly Applicable. Journal of Polymers and the Environment, 2019, 27, 2490-2508.	5.0	11

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163	New Insights into H2S Adsorption on Graphene and Graphene-Like Structures: A Comparative DFT Study. Journal of Carbon Research, 2020, 6, 74.	2.7	11
164	Atomic simulation of adsorption of SO2 pollutant by metal (Zn, Be)-oxide and Ni-decorated graphene: a first-principles study. Journal of Molecular Modeling, 2021, 27, 70.	1.8	11
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