

# Maryam Jouyandeh

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

3,523  
citations

117625

34  
h-index

149698

56  
g-index

90  
all docs

90  
docs citations

90  
times ranked

1844  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo-sensitive polymers in medicine: A review. <i>European Polymer Journal</i> , 2019, 117, 402-423.	5.4	206
2	Surface engineering of nanoparticles with macromolecules for epoxy curing: Development of super-reactive nitrogen-rich nanosilica through surface chemistry manipulation. <i>Applied Surface Science</i> , 2018, 447, 152-164.	6.1	112
3	Bushy-surface hybrid nanoparticles for developing epoxy superadhesives. <i>Applied Surface Science</i> , 2019, 479, 1148-1160.	6.1	112
4	â€ˆCure Indexâ€™™ for thermoset composites. <i>Progress in Organic Coatings</i> , 2019, 127, 429-434.	3.9	107
5	Conductive polymers in water treatment: A review. <i>Journal of Molecular Liquids</i> , 2020, 312, 113447.	4.9	104
6	Highly curable self-healing vitrimer-like cellulose-modified halloysite nanotube/epoxy nanocomposite coatings. <i>Chemical Engineering Journal</i> , 2020, 396, 125196.	12.7	103
7	Metal-Organic Framework (MOF)/Epoxy Coatings: A Review. <i>Materials</i> , 2020, 13, 2881.	2.9	99
8	Short-lasting fire in partially and completely cured epoxy coatings containing expandable graphite and halloysite nanotube additives. <i>Progress in Organic Coatings</i> , 2018, 123, 160-167.	3.9	97
9	Chitosan-based blends for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1818-1850.	7.5	97
10	Properties of nano-Fe <sub>3</sub> O <sub>4</sub> incorporated epoxy coatings from Cure Index perspective. <i>Progress in Organic Coatings</i> , 2019, 133, 220-228.	3.9	92
11	Curing behavior of epoxy/Fe <sub>3</sub> O <sub>4</sub> nanocomposites: A comparison between the effects of bare Fe <sub>3</sub> O <sub>4</sub> , Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /chitosan and Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /chitosan/imide/phenylalanine-modified nanofillers. <i>Progress in Organic Coatings</i> , 2018, 123, 10-19.	3.9	89
12	Protocol for nonisothermal cure analysis of thermoset composites. <i>Progress in Organic Coatings</i> , 2019, 131, 333-339.	3.9	87
13	Hyperbranched poly(ethyleneimine) physically attached to silica nanoparticles to facilitate curing of epoxy nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2018, 120, 100-109.	3.9	83
14	Natural Polymers Decorated MOF-MXene Nanocarriers for Co-delivery of Doxorubicin/pCRISPR. <i>ACS Applied Bio Materials</i> , 2021, 4, 5106-5121.	4.6	78
15	Acid-aided epoxy-amine curing reaction as reflected in epoxy/Fe <sub>3</sub> O <sub>4</sub> nanocomposites: Chemistry, mechanism, and fracture behavior. <i>Progress in Organic Coatings</i> , 2018, 125, 384-392.	3.9	77
16	High-performance epoxy-based adhesives reinforced with alumina and silica for carbon fiber composite/steel bonded joints. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 1685-1695.	3.1	74
17	Quantum dots for photocatalysis: synthesis and environmental applications. <i>Green Chemistry</i> , 2021, 23, 4931-4954.	9.0	72
18	Synthesis, characterization, and high potential of 3D metal-organic framework (MOF) nanoparticles for curing with epoxy. <i>Journal of Alloys and Compounds</i> , 2020, 829, 154547.	5.5	71

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19	Electroactive bio-epoxy incorporated chitosan-oligoaniline as an advanced hydrogel coating for neural interfaces. <i>Progress in Organic Coatings</i> , 2019, 131, 389-396.	3.9	70
20	Curing epoxy resin with anhydride in the presence of halloysite nanotubes: the contradictory effects of filler concentration. <i>Progress in Organic Coatings</i> , 2019, 126, 129-135.	3.9	70
21	Epoxy/layered double hydroxide (LDH) nanocomposites: Synthesis, characterization, and Excellent cure feature of nitrate anion intercalated Zn-Al LDH. <i>Progress in Organic Coatings</i> , 2019, 136, 105218.	3.9	67
22	Surface chemistry of halloysite nanotubes controls the curability of low filled epoxy nanocomposites. <i>Progress in Organic Coatings</i> , 2019, 135, 555-564.	3.9	65
23	Green metal-organic frameworks (MOFs) for biomedical applications. <i>Microporous and Mesoporous Materials</i> , 2022, 335, 111670.	4.4	65
24	Cure Index demonstrates curing of epoxy composites containing silica nanoparticles of variable morphology and porosity. <i>Progress in Organic Coatings</i> , 2019, 135, 176-184.	3.9	60
25	Turning Toxic Nanomaterials into a Safe and Bioactive Nanocarrier for Co-delivery of DOX/pCRISPR. <i>ACS Applied Bio Materials</i> , 2021, 4, 5336-5351.	4.6	57
26	Multi-nationality epoxy adhesives on trial for future nanocomposite developments. <i>Progress in Organic Coatings</i> , 2019, 133, 376-386.	3.9	52
27	Curing Kinetics and Thermal Stability of Epoxy Composites Containing Newly Obtained Nano-Scale Aluminum Hypophosphite (AlPO <sub>2</sub> ). <i>Polymers</i> , 2020, 12, 644.	4.5	47
28	Thermal decomposition kinetics of dynamically vulcanized polyamide 6/acrylonitrile butadiene rubber/halloysite nanotube nanocomposites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47483.	2.6	44
29	Cure Index for labeling curing potential of epoxy/LDH nanocomposites: A case study on nitrate anion intercalated Ni-Al-LDH. <i>Progress in Organic Coatings</i> , 2019, 136, 105228.	3.9	43
30	Multifunctional 3D Hierarchical Bioactive Green Carbon-Based Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8706-8720.	6.7	43
31	Hyperbranched polyethylenimine functionalized silica/polysulfone nanocomposite membranes for water purification. <i>Chemosphere</i> , 2022, 290, 133363.	8.2	43
32	Thin films of epoxy adhesives containing recycled polymers and graphene oxide nanoflakes for metal/polymer composite interface. <i>Progress in Organic Coatings</i> , 2019, 136, 105201.	3.9	42
33	Cure kinetics of epoxy/graphene oxide (GO) nanocomposites: Effect of starch functionalization of GO nanosheets. <i>Progress in Organic Coatings</i> , 2019, 136, 105217.	3.9	41
34	Crystalline polysaccharides: A review. <i>Carbohydrate Polymers</i> , 2022, 275, 118624.	10.2	41
35	Highly antifouling polymer-nanoparticle-nanoparticle/polymer hybrid membranes. <i>Science of the Total Environment</i> , 2022, 810, 152228.	8.0	41
36	Metal-organic frameworks (MOF) based heat transfer: A comprehensive review. <i>Chemical Engineering Journal</i> , 2022, 449, 137700.	12.7	39

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37	Super-crosslinked ionic liquid-intercalated montmorillonite/epoxy nanocomposites: Cure kinetics, viscoelastic behavior and thermal degradation mechanism. <i>Polymer Engineering and Science</i> , 2020, 60, 1940-1957.	3.1	37
38	Polyhedral oligomeric silsesquioxane/epoxy coatings: a review. <i>Surface Innovations</i> , 2021, 9, 3-16.	2.3	35
39	Development of Mg-Zn-Al-CO <sub>3</sub> ternary LDH and its curability in epoxy/amine system. <i>Progress in Organic Coatings</i> , 2019, 136, 105264.	3.9	34
40	Nonisothermal cure kinetics of epoxy/MnxFe <sub>3</sub> -xO <sub>4</sub> nanocomposites. <i>Progress in Organic Coatings</i> , 2020, 140, 105505.	3.9	34
41	Effect of Surface Treatment of Halloysite Nanotubes (HNTs) on the Kinetics of Epoxy Resin Cure with Amines. <i>Polymers</i> , 2020, 12, 930.	4.5	32
42	Curing epoxy with Mg-Al LDH nanoplatelets intercalated with carbonate ion. <i>Progress in Organic Coatings</i> , 2019, 136, 105278.	3.9	31
43	The Taste of Waste: The Edge of Eggshell Over Calcium Carbonate in Acrylonitrile Butadiene Rubber. <i>Journal of Polymers and the Environment</i> , 2019, 27, 2478-2489.	5.0	31
44	Curing epoxy with electrochemically synthesized Gd Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 136, 105245.	3.9	29
45	Curing epoxy with electrochemically synthesized Ni Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 136, 105198.	3.9	27
46	Green products from herbal medicine wastes by subcritical water treatment. <i>Journal of Hazardous Materials</i> , 2022, 424, 127294.	12.4	26
47	Green Polymer Nanocomposites for Skin Tissue Engineering. <i>ACS Applied Bio Materials</i> , 2022, 5, 2107-2121.	4.6	26
48	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized Zn Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 136, 105227.	3.9	25
49	Nonisothermal cure kinetics of epoxy/Zn Fe <sub>3</sub> -O <sub>4</sub> nanocomposites. <i>Progress in Organic Coatings</i> , 2019, 136, 105290.	3.9	23
50	Curing epoxy with electrochemically synthesized Zn Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 136, 105246.	3.9	22
51	Curing epoxy with polyethylene glycol (PEG) surface-functionalized Ni <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 136, 105250.	3.9	22
52	Imidazole-functionalized nitrogen-rich Mg-Al-CO <sub>3</sub> layered double hydroxide for developing highly crosslinkable epoxy with high thermal and mechanical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125826.	4.7	22
53	Curing epoxy with polyethylene glycol (PEG) surface-functionalized Gd Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 137, 105283.	3.9	20
54	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized Mn Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 136, 105247.	3.9	19

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55	Epoxy/Zn-Al-CO <sub>3</sub> LDH nanocomposites: Curability assessment. Progress in Organic Coatings, 2020, 138, 105355.	3.9	19
56	Kinetics of Cross-Linking Reaction of Epoxy Resin with Hydroxyapatite-Functionalized Layered Double Hydroxides. Polymers, 2020, 12, 1157.	4.5	19
57	Coffee Wastes as Sustainable Flame Retardants for Polymer Materials. Coatings, 2021, 11, 1021.	2.6	19
58	Polyurethane/Silane-Functionalized ZrO <sub>2</sub> Nanocomposite Powder Coatings: Thermal Degradation Kinetics. Coatings, 2020, 10, 413.	2.6	15
59	In-Out Surface Modification of Halloysite Nanotubes (HNTs) for Excellent Cure of Epoxy: Chemistry and Kinetics Modeling. Nanomaterials, 2021, 11, 3078.	4.1	15
60	Curing epoxy with ethylenediaminetetraacetic acid (EDTA) surface-functionalized Co Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105248.	3.9	14
61	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized Ni <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105259.	3.9	14
62	Curing epoxy with electrochemically synthesized Mn Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. Progress in Organic Coatings, 2019, 136, 105199.	3.9	13
63	Thermal-Resistant Polyurethane/Nanoclay Powder Coatings: Degradation Kinetics Study. Coatings, 2020, 10, 871.	2.6	13
64	A Comparative Study on Cure Kinetics of Layered Double Hydroxide (LDH)/Epoxy Nanocomposites. Journal of Composites Science, 2020, 4, 111.	3.0	13
65	Nonisothermal Cure Kinetics of Epoxy/Polyvinylpyrrolidone Functionalized Superparamagnetic Nano-Fe <sub>3</sub> O <sub>4</sub> Composites: Effect of Zn and Mn Doping. Journal of Composites Science, 2020, 4, 55.	3.0	13
66	Curing epoxy with electrochemically synthesized Co Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. Progress in Organic Coatings, 2019, 137, 105252.	3.9	12
67	Synthesis of Cost-Effective Hierarchical MFI-Type Mesoporous Zeolite: Introducing Diatomite as Silica Source. Silicon, 2021, 13, 3461-3472.	3.3	12
68	Silane- $\epsilon$ -functionalized Al <sub>2</sub> O <sub>3</sub> $\epsilon$ -modified polyurethane powder coatings: Nonisothermal degradation kinetics and mechanistic insights. Journal of Applied Polymer Science, 2020, 137, 49412.	2.6	12
69	Amine- $\epsilon$ -functionalized $\epsilon$ -metal-organic frameworks/epoxy nanocomposites: Structure-properties relationships. Journal of Applied Polymer Science, 2021, 138, 51005.	2.6	12
70	Green carbon-based nanocomposite biomaterials through the lens of microscopes. Emergent Materials, 2022, 5, 665-671.	5.7	12
71	Unconditionally blue: Curing epoxy with polyethylene glycol (PEG) surface-functionalized Zn Fe <sub>3</sub> -O <sub>4</sub> magnetic nanoparticles. Progress in Organic Coatings, 2019, 137, 105285.	3.9	11
72	Green composites in bone tissue engineering. Emergent Materials, 2022, 5, 603-620.	5.7	11

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73	Exploring curing potential of epoxy nanocomposites containing nitrate anion intercalated Mg-Al-LDH with Cure Index. Progress in Organic Coatings, 2020, 139, 105255.	3.9	10
74	Isothermal Vulcanization and Non-Isothermal Degradation Kinetics of XNBR/Epoxy/XNBR-g-Halloysite Nanotubes (HNT) Nanocomposites. Materials, 2021, 14, 2872.	2.9	10
75	Curing epoxy with polyvinyl chloride (PVC) surface-functionalized Co <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> nanoparticles. Progress in Organic Coatings, 2019, 137, 105364.	3.9	9
76	Bulk-Surface Modification of Nanoparticles for Developing Highly-Crosslinked Polymer Nanocomposites. Polymers, 2020, 12, 1820.	4.5	9
77	Epoxy/Ionic Liquid-Modified Mica Nanocomposites: Network Formation–Network Degradation Correlation. Nanomaterials, 2021, 11, 1990.	4.1	9
78	Comparative review of piezoelectric biomaterials approach for bone tissue engineering. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 1555-1594.	3.5	9
79	Correlating the Photophysical Properties with the Cure Index of Epoxy Nanocomposite Coatings. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 923-933.	3.7	7
80	Structure–properties–performance relationships in complex epoxy nanocomposites: A complete picture applying chemorheological and thermo–mechanical kinetic analyses. Journal of Applied Polymer Science, 2022, 139, 51446.	2.6	7
81	Cure Kinetics of Samarium-Doped Fe <sub>3</sub> O <sub>4</sub> /Epoxy Nanocomposites. Journal of Composites Science, 2022, 6, 29.	3.0	7
82	PANI-based nanostructures. , 2019, , 121-130.		4
83	Effect of Nickel Doping on the Cure Kinetics of Epoxy/Fe <sub>3</sub> O <sub>4</sub> Nanocomposites. Journal of Composites Science, 2020, 4, 102.	3.0	3
84	Thermal Analysis of Crosslinking Reactions in Epoxy Nanocomposites Containing Polyvinyl Chloride (PVC)-Functionalized Nickel-Doped Nano-Fe <sub>3</sub> O <sub>4</sub> . Journal of Composites Science, 2020, 4, 107.	3.0	2
85	Tangential Flow Analysis of Giesekus Model in Concentric Annulus with Both Cylinders Rotation. Journal of Applied Fluid Mechanics, 2017, 10, 1721-1728.	0.2	2
86	Green Organic Films and Coatings: Developments and Future Challenges. Mini-Reviews in Organic Chemistry, 2021, 18, .	1.3	1
87	Magnetic nanoparticles-based coatings. , 2022, , 317-343.		0
88	Improved Flame Retardancy in Polyurethanes Using Layered Double Hydroxides. ACS Symposium Series, 0, , 137-160.	0.5	0