

Mohammad Reza Saeb

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

405
papers

9,109
citations

50
h-index

70
g-index

421
ext. papers

12,145
ext. citations

4.9
avg, IF

7.08
L-index

#	Paper	IF	Citations
405	Agarose-based biomaterials for tissue engineering. <i>Carbohydrate Polymers</i> , 2018 , 187, 66-84	10.3	276
404	Thermo-sensitive polymers in medicine: A review. <i>European Polymer Journal</i> , 2019 , 117, 402-423	5.2	136
403	Can regenerative medicine and nanotechnology combine to heal wounds? The search for the ideal wound dressing. <i>Nanomedicine</i> , 2017 , 12, 2403-2422	5.6	130
402	Anti-corrosion hybrid coatings based on epoxy/silica nano-composites: Toward relationship between the morphology and EIS data. <i>Progress in Organic Coatings</i> , 2014 , 77, 1169-1183	4.8	129
401	Highly curable epoxy/MWCNTs nanocomposites: An effective approach to functionalization of carbon nanotubes. <i>Chemical Engineering Journal</i> , 2015 , 259, 117-125	14.7	121
400	Epoxy/PAMAM dendrimer-modified graphene oxide nanocomposite coatings: Nonisothermal cure kinetics study. <i>Progress in Organic Coatings</i> , 2018 , 114, 233-243	4.8	120
399	Electrospinning for tissue engineering applications. <i>Progress in Materials Science</i> , 2021 , 117, 100721	42.2	120
398	Chitosan in Biomedical Engineering: A Critical Review. <i>Current Stem Cell Research and Therapy</i> , 2019 , 14, 93-116	3.6	112
397	Oligoaniline-based conductive biomaterials for tissue engineering. <i>Acta Biomaterialia</i> , 2018 , 72, 16-34	10.8	102
396	for Thermoplastic Composites. <i>Polymers</i> , 2019 , 11,	4.5	89
395	Electrically Conductive Materials: Opportunities and Challenges in Tissue Engineering. <i>Biomolecules</i> , 2019 , 9,	5.9	87
394	Bushy-surface hybrid nanoparticles for developing epoxy superadhesives. <i>Applied Surface Science</i> , 2019 , 479, 1148-1160	6.7	86
393	Cure Index for thermoset composites. <i>Progress in Organic Coatings</i> , 2019 , 127, 429-434	4.8	86
392	Epoxy/starch-modified nano-zinc oxide transparent nanocomposite coatings: A showcase of superior curing behavior. <i>Progress in Organic Coatings</i> , 2018 , 115, 143-150	4.8	86
391	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	6.7	84
390	Antibacterial glass-ionomer cement restorative materials: A critical review on the current status of extended release formulations. <i>Journal of Controlled Release</i> , 2017 , 262, 317-328	11.7	82
389	Ploxamer: A versatile tri-block copolymer for biomedical applications. <i>Acta Biomaterialia</i> , 2020 , 110, 37-67	10.8	79

388	Properties of nano-Fe ₃ O ₄ incorporated epoxy coatings from Cure Index perspective. <i>Progress in Organic Coatings</i> , 2019 , 133, 220-228	4.8	78
387	Curing behavior of epoxy/Fe ₃ O ₄ nanocomposites: A comparison between the effects of bare Fe ₃ O ₄ , Fe ₃ O ₄ /SiO ₂ /chitosan and Fe ₃ O ₄ /SiO ₂ /chitosan/imide/phenylalanine-modified nanofillers. <i>Progress in Organic Coatings</i> , 2018 , 123, 10-19	4.8	78
386	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	4.8	77
385	The role of functionalized graphene oxide on the mechanical and anti-corrosion properties of polyurethane coating. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 86, 199-212	5.3	75
384	Protocol for nonisothermal cure analysis of thermoset composites. <i>Progress in Organic Coatings</i> , 2019 , 131, 333-339	4.8	71
383	Development and curing potential of epoxy/starch-functionalized graphene oxide nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2018 , 119, 194-202	4.8	71
382	Structural, thermal and physico-mechanical properties of polyurethane/brewers spent grain composite foams modified with ground tire rubber. <i>Industrial Crops and Products</i> , 2017 , 108, 844-852	5.9	71
381	A facile route to the synthesis of anilinic electroactive colloidal hydrogels for neural tissue engineering applications. <i>Journal of Colloid and Interface Science</i> , 2018 , 516, 57-66	9.3	70
380	Flame retardant epoxy/halloysite nanotubes nanocomposite coatings: Exploring low-concentration threshold for flammability compared to expandable graphite as superior fire retardant. <i>Progress in Organic Coatings</i> , 2018 , 119, 8-14	4.8	69
379	Bio-epoxy resins with inherent flame retardancy. <i>Progress in Organic Coatings</i> , 2019 , 135, 608-612	4.8	69
378	Transparent nanocomposite coatings based on epoxy and layered double hydroxide: Nonisothermal cure kinetics and viscoelastic behavior assessments. <i>Progress in Organic Coatings</i> , 2017 , 113, 126-135	4.8	69
377	Conductive hydrogels based on agarose/alginate/chitosan for neural disorder therapy. <i>Carbohydrate Polymers</i> , 2019 , 224, 115161	10.3	68
376	Acid-aided epoxy-amine curing reaction as reflected in epoxy/Fe ₃ O ₄ nanocomposites: Chemistry, mechanism, and fracture behavior. <i>Progress in Organic Coatings</i> , 2018 , 125, 384-392	4.8	66
375	Competitive removal of heavy metal ions from squid oil under isothermal condition by CR11 chelate ion exchanger. <i>Journal of Hazardous Materials</i> , 2017 , 334, 256-266	12.8	65
374	Highly curable self-healing vitrimer-like cellulose-modified halloysite nanotube/epoxy nanocomposite coatings. <i>Chemical Engineering Journal</i> , 2020 , 396, 125196	14.7	65
373	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	4.8	63
372	Functionalized theranostic nanocarriers with bio-inspired polydopamine for tumor imaging and chemo-photothermal therapy. <i>Journal of Controlled Release</i> , 2019 , 309, 203-219	11.7	63
371	A Close-up of the Effect of Iron Oxide Type on the Interfacial Interaction between Epoxy and Carbon Steel: Combined Molecular Dynamics Simulations and Quantum Mechanics. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 11014-11026	3.8	63

- 370 Zeolites in drug delivery: Progress, challenges and opportunities. *Drug Discovery Today*, **2020**, 25, 642-658. 6.8 62
- 369 Processing, mechanical and thermal behavior assessments of polycaprolactone/agricultural wastes biocomposites. *Industrial Crops and Products*, **2015**, 76, 725-733 5.9 59
- 368 Is one performing the treatment data of adsorption kinetics correctly?. *Journal of Environmental Chemical Engineering*, **2021**, 9, 104813 6.8 59
- 367 Cure kinetics of epoxy nanocomposites affected by MWCNTs functionalization: a review. *Scientific World Journal, The*, **2013**, 2013, 703708 2.2 57
- 366 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 8.2 57
- 365 Cure kinetics of epoxy/ β -cyclodextrin-functionalized Fe₃O₄ nanocomposites: Experimental analysis, mathematical modeling, and molecular dynamics simulation. *Progress in Organic Coatings*, **2017**, 110, 172-181 4.8 54
- 364 Conductive polymers in water treatment: A review. *Journal of Molecular Liquids*, **2020**, 312, 113447 6 54
- 363 Corrosion protection properties and interfacial adhesion mechanism of an epoxy/polyamide coating applied on the steel surface decorated with cerium oxide nanofilm: Complementary experimental, molecular dynamics (MD) and first principle quantum mechanics (QM) simulation methods. *Applied Surface Science*, **2017**, 419, 658-669 6.7 53
- 362 Calorimetric analysis and molecular dynamics simulation of cure kinetics of epoxy/chitosan-modified Fe₃O₄ nanocomposites. *Progress in Organic Coatings*, **2017**, 112, 176-186 4.8 52
- 361 Flame retardant polymer materials: An update and the future for 3D printing developments. *Materials Science and Engineering Reports*, **2021**, 144, 100604 30.9 52
- 360 Cure kinetics of epoxy/MWCNTs nanocomposites: Isothermal calorimetric and rheological analyses. *Progress in Organic Coatings*, **2017**, 108, 75-83 4.8 51
- 359 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 2.9 51
- 358 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 4.8 51
- 357 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 3.7 50
- 356 Metal-Organic Framework (MOF)/Epoxy Coatings: A Review. *Materials*, **2020**, 13, 3.5 50
- 355 Agarose-Based Biomaterials: Opportunities and Challenges in Cartilage Tissue Engineering. *Polymers*, **2020**, 12, 4.5 50
- 354 Flame Retardant Epoxy Composites on the Road of Innovation: An Analysis with Flame Retardancy Index for Future Development. *Molecules*, **2019**, 24, 4.8 49
- 353 Silk fibroin scaffolds for common cartilage injuries: Possibilities for future clinical applications. *European Polymer Journal*, **2019**, 115, 251-267 5.2 48

352	Design, preparation, and characterization of fast cure epoxy/amine-functionalized graphene oxide nanocomposites. <i>Polymer Composites</i> , 2018 , 39, E2016-E2027	3	48
351	Investigating the combined impact of plasticizer and shear force on the efficiency of low temperature reclaiming of ground tire rubber (GTR). <i>Polymer Degradation and Stability</i> , 2016 , 125, 1-11	4.7	48
350	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	4.8	47
349	Electroactive bio-epoxy incorporated chitosan-oligoaniline as an advanced hydrogel coating for neural interfaces. <i>Progress in Organic Coatings</i> , 2019 , 131, 389-396	4.8	47
348	Hydrogel membranes: A review. <i>Materials Science and Engineering C</i> , 2020 , 114, 111023	8.3	47
347	Diamond-like carbon thin films prepared by pulsed-DC PE-CVD for biomedical applications. <i>Surface Innovations</i> , 2018 , 6, 167-175	1.9	47
346	Morphology and mechanical properties of polyamide/clay nanocomposites toughened with NBR/NBR-g-GMA: A comparative study. <i>Composites Part B: Engineering</i> , 2016 , 90, 478-484	10	47
345	Self-gelling electroactive hydrogels based on chitosan-aniline oligomers/agarose for neural tissue engineering with on-demand drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 184, 110549	6	47
344	Surface chemistry of halloysite nanotubes controls the curability of low filled epoxy nanocomposites. <i>Progress in Organic Coatings</i> , 2019 , 135, 555-564	4.8	46
343	Processing and structure-property relationships of natural rubber/wheat bran biocomposites. <i>Cellulose</i> , 2016 , 23, 3157-3175	5.5	44
342	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	4.8	44
341	A Detailed Model on Kinetics and Microstructure Evolution during Copolymerization of Ethylene and 1-Octene: From Coordinative Chain Transfer to Chain Shuttling Polymerization. <i>Macromolecules</i> , 2014 , 47, 4778-4789	5.5	44
340	Agarose-based biomaterials for advanced drug delivery. <i>Journal of Controlled Release</i> , 2020 , 326, 523-543	11.7	44
339	Cure kinetics of epoxy/chicken eggshell biowaste composites: Isothermal calorimetric and chemorheological analyses. <i>Progress in Organic Coatings</i> , 2018 , 114, 208-215	4.8	44
338	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	5.7	42
337	Cure kinetics of epoxy/MWCNTs nanocomposites: Nonisothermal calorimetric and rheokinetic techniques. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45221	2.9	41
336	Magnetron-sputtered copper/diamond-like carbon composite thin films with super anti-corrosion properties. <i>Surface and Coatings Technology</i> , 2018 , 333, 148-157	4.4	41
335	Flame Retardancy of Bio-Based Polyurethanes: Opportunities and Challenges. <i>Polymers</i> , 2020 , 12,	4.5	40

334	Tissue engineering with electrospun electro-responsive chitosan-aniline oligomer/polyvinyl alcohol. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 160-169	7.9	40
333	Biomaterials selection for neuroprosthetics. <i>Current Opinion in Biomedical Engineering</i> , 2018 , 6, 99-109	4.4	40
332	Electroactive poly (p-phenylene sulfide)/r-graphene oxide/chitosan as a novel potential candidate for tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 18-24	7.9	38
331	Ploxamer-based stimuli-responsive biomaterials. <i>Materials Today: Proceedings</i> , 2018 , 5, 15516-15523	1.4	38
330	An attempt to mechanistically explain the viscoelastic behavior of transparent epoxy/starch-modified ZnO nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2018 , 119, 171-182	4.8	36
329	Corrosion resistance of epoxy coating on mild steel through polyamidoamine dendrimer-covalently functionalized graphene oxide nanosheets. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 82, 290-302	6.3	36
328	Multi-nationality epoxy adhesives on trial for future nanocomposite developments. <i>Progress in Organic Coatings</i> , 2019 , 133, 376-386	4.8	35
327	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	4.8	35
326	Electroactive cardiac patch containing reduced graphene oxide with potential antibacterial properties. <i>Materials Science and Engineering C</i> , 2019 , 104, 109921	8.3	35
325	Thermal decomposition kinetics of dynamically vulcanized polyamide 6/crylonitrile butadiene rubber/alloysite nanotube nanocomposites. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47483	2.9	35
324	Curing Kinetics and Thermal Stability of Epoxy Composites Containing Newly Obtained Nano-Scale Aluminum Hypophosphite (ALPO). <i>Polymers</i> , 2020 , 12,	4.5	34
323	Preparation and characterization of natural rubber composites highly filled with brewers' spent grain/ground tire rubber hybrid reinforcement. <i>Composites Part B: Engineering</i> , 2018 , 145, 182-188	10	34
322	Efficient removal of cationic dyes from colored wastewaters by dithiocarbamate-functionalized graphene oxide nanosheets: From synthesis to detailed kinetics studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 81, 239-246	5.3	34
321	Chitosan/polyvinyl alcohol nanofibrous membranes: towards green super-adsorbents for toxic gases. <i>Heliyon</i> , 2019 , 5, e01527	3.6	33
320	Diamond-like carbon-deposited films: a new class of biocorrosion protective coatings. <i>Surface Innovations</i> , 2018 , 6, 266-276	1.9	33
319	A new direction in design of bio-based flame retardants for poly(lactic acid). <i>Fire and Materials</i> , 2018 , 42, 914-924	1.8	33
318	Interfacially modified LDPE/GTR composites with non-polar elastomers: From microstructure to macro-behavior. <i>Polymer Testing</i> , 2015 , 42, 89-98	4.5	33
317	On the reliability of existing theoretical models in anticipating type of morphology and domain size in HDPE/PA-6/EVOH ternary blends. <i>European Polymer Journal</i> , 2014 , 53, 1-12	5.2	32

316	NaA zeolite-coated meshes with tunable hydrophilicity for oil-water separation. <i>Separation and Purification Technology</i> , 2020 , 240, 116630	8.3	31
315	Magnetron-sputtered Ti _x Ny thin films applied on titanium-based alloys for biomedical applications: Composition-microstructure-property relationships. <i>Surface and Coatings Technology</i> , 2018 , 349, 251-259	4.4	30
314	Inclusion of modified lignocellulose and nano-hydroxyapatite in development of new bio-based adjuvant flame retardant for poly(lactic acid). <i>Thermochimica Acta</i> , 2018 , 666, 51-59	2.9	30
313	Polyaniline in retrospect and prospect. <i>Materials Today: Proceedings</i> , 2018 , 5, 15852-15860	1.4	30
312	Cure kinetics of epoxy/graphene oxide (GO) nanocomposites: Effect of starch functionalization of GO nanosheets. <i>Progress in Organic Coatings</i> , 2019 , 136, 105217	4.8	29
311	From microporous to mesoporous mineral frameworks: An alliance between zeolite and chitosan. <i>Carbohydrate Research</i> , 2020 , 489, 107930	2.9	29
310	Toward UV-curable urethane acrylate/silica hybrid coatings: Introducing urethane methacrylate trimethoxysilane (UAMS) as organic/inorganic coupling agent. <i>Progress in Organic Coatings</i> , 2014 , 77, 1957-1965	4.8	29
309	Demonstration of epoxy/carbon steel interfacial delamination behavior: Electrochemical impedance and X-ray spectroscopic analyses. <i>Corrosion Science</i> , 2016 , 102, 326-337	6.8	29
308	Assessment of microstructure, physical and thermal properties of bitumen modified with LDPE/GTR/elastomer ternary blends. <i>Construction and Building Materials</i> , 2016 , 106, 160-167	6.7	28
307	State of cure in silicone/clay nanocomposite coatings: The puzzle and the solution. <i>Progress in Organic Coatings</i> , 2018 , 125, 222-233	4.8	28
306	Description of complementary actions of mineral and organic additives in thermoplastic polymer composites by Flame Retardancy Index. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 2056-2066	3.2	27
305	Monte Carlo simulation of free radical polymerization of styrene in a spinning disc reactor. <i>Chemical Engineering Journal</i> , 2014 , 247, 231-240	14.7	27
304	Ionic Crosslinked Thermoresponsive Chitosan Hydrogels Formed In Situ: A Conceptual Basis for Deeper Understanding. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1700227	3.9	27
303	Efficient removal of dyes and proteins by nitrogen-doped porous graphene blended polyethersulfone nanocomposite membranes. <i>Chemosphere</i> , 2021 , 263, 127892	8.4	27
302	Zeolite in tissue engineering: Opportunities and challenges. <i>MedComm</i> , 2020 , 1, 5-34	2.2	26
301	Zeolites for theranostic applications. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 5992-6012	7.3	26
300	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	4.8	26
299	Engineering the niche for hair regeneration - A critical review. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 15, 70-85	6	26

298	On the Correlation of Lignocellulosic Filler Composition with the Performance Properties of Poly(ϵ -Caprolactone) Based Biocomposites. <i>Waste and Biomass Valorization</i> , 2020 , 11, 1467-1479	3.2	26
297	Modification of thermal and rheological characteristics of bitumen by waste PET/GTR blends. <i>Construction and Building Materials</i> , 2017 , 134, 157-166	6.7	25
296	High-performance hybrid coatings based on diamond-like carbon and copper for carbon steel protection. <i>Diamond and Related Materials</i> , 2017 , 80, 84-92	3.5	25
295	Curing epoxy with electrochemically synthesized Gd Fe ₃ O ₄ magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019 , 136, 105245	4.8	25
294	Three in one: β -cyclodextrin, nanohydroxyapatite, and a nitrogen-rich polymer integrated into a new flame retardant for poly (lactic acid). <i>Fire and Materials</i> , 2018 , 42, 593-602	1.8	25
293	A new prospect in magnetic nanoparticle-based cancer therapy: Taking credit from mathematical tissue-mimicking phantom brain models. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 2405-2414	6	25
292	Theranostic Platforms Proposed for Cancerous Stem Cells: A Review. <i>Current Stem Cell Research and Therapy</i> , 2019 , 14, 137-145	3.6	25
291	Natural Polymers Decorated MOF-MXene Nanocarriers for Co-delivery of Doxorubicin/pCRISPR.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 5106-5121	4.1	25
290	Chitosan-based blends for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2021 , 183, 1818-1850	7.9	25
289	Modeling and closed-loop control of particle size and initial burst of PLGA biodegradable nanoparticles for targeted drug delivery. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45145	2.9	24
288	In quest of power conversion efficiency in nature-inspired dye-sensitized solar cells: Individual, co-sensitized or tandem configuration?. <i>Energy</i> , 2017 , 134, 864-870	7.9	24
287	High-performance water-based UV-curable soft systems with variable chain architecture for advanced coating applications. <i>Progress in Organic Coatings</i> , 2019 , 130, 99-113	4.8	24
286	Electrospun electroactive nanofibers of gelatin-oligoaniline/Poly (vinyl alcohol) templates for architecting of cardiac tissue with on-demand drug release. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 1473-1483	3.2	24
285	A Monte Carlo-based feeding policy for tailoring microstructure of copolymer chains: Reconsidering the conventional metallocene catalyzed polymerization of β -olefins. <i>Chemical Engineering Journal</i> , 2015 , 274, 169-180	14.7	24
284	Intelligent Monte Carlo: A New Paradigm for Inverse Polymerization Engineering. <i>Macromolecular Theory and Simulations</i> , 2018 , 27, 1700106	1.5	24
283	Thermal Stability and Flammability Behavior of Poly(3-hydroxybutyrate) (PHB) Based Composites. <i>Materials</i> , 2019 , 12,	3.5	24
282	Rheology-morphology correlation in PET/PP blends: Influence of type of compatibilizer. <i>Journal of Vinyl and Additive Technology</i> , 2013 , 19, 25-30	2	24
281	SEBS-g-MAH as a Reactive Compatibilizer Precursor for PP/PTT/SEBS Ternary Blends: Morphology and Mechanical Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2013 , 52, 206-212		24

280	Nonisothermal cure kinetics of epoxy/MnxFe ₃ -xO ₄ nanocomposites. <i>Progress in Organic Coatings</i> , 2020 , 140, 105505	4.8	24
279	Fracture toughness and crack propagation behavior of nanoscale beryllium oxide graphene-like structures: A molecular dynamics simulation analysis. <i>Engineering Fracture Mechanics</i> , 2020 , 235, 107194 ⁴⁻²	4.2	24
278	Curing epoxy with polyvinylpyrrolidone (PVP) surface-functionalized Zn Fe ₃ -O ₄ magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019 , 136, 105227	4.8	23
277	Development of Mg-Zn-Al-CO ₃ ternary LDH and its curability in epoxy/amine system. <i>Progress in Organic Coatings</i> , 2019 , 136, 105264	4.8	23
276	Morphology Prediction in HDPE/PA-6/EVOH Ternary Blends: Defining the Role of Elasticity Ratio. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 1791-1802	2.6	23
275	Anti-fouling and permeable polyvinyl chloride nanofiltration membranes embedded by hydrophilic graphene quantum dots for dye wastewater treatment. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101652	6.7	23
274	Deep eutectic solvents in membrane science and technology: Fundamental, preparation, application, and future perspective. <i>Separation and Purification Technology</i> , 2021 , 258, 118015	8.3	23
273	Realization of manufacturing dye-sensitized solar cells with possible maximum power conversion efficiency and durability. <i>Solar Energy</i> , 2017 , 149, 314-322	6.8	22
272	Novel nanocomposites based on poly(ethylene-co-vinyl acetate) for coating applications: The complementary actions of hydroxyapatite, MWCNTs and ammonium polyphosphate on flame retardancy. <i>Progress in Organic Coatings</i> , 2017 , 113, 207-217	4.8	22
271	Well-cured silicone/halloysite nanotubes nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2019 , 129, 357-365	4.8	22
270	A unified picture of hard-soft segmental development along olefin chain shuttling copolymerization. <i>Polymer</i> , 2015 , 76, 245-253	3.9	22
269	Metal-Organic Framework (MOF) through the Lens of Molecular Dynamics Simulation: Current Status and Future Perspective. <i>Journal of Composites Science</i> , 2020 , 4, 75	3	22
268	Effect of Surface Treatment of Halloysite Nanotubes (HNTs) on the Kinetics of Epoxy Resin Cure with Amines. <i>Polymers</i> , 2020 , 12,	4.5	22
267	Curing epoxy with electrochemically synthesized Ni Fe ₃ -O ₄ magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019 , 136, 105198	4.8	22
266	Green CoNi ₂ S ₄ /porphyrin decorated carbon-based nanocomposites for genetic materials detection. <i>Journal of Bioresources and Bioproducts</i> , 2021 , 6, 215-222	18.7	22
265	Quantum dots for photocatalysis: synthesis and environmental applications. <i>Green Chemistry</i> , 2021 , 23, 4931-4954	10	22
264	An investigation on the role of GMA grafting degree on the efficiency of PET/PP-g-GMA reactive blending: morphology and mechanical properties. <i>Polymer Bulletin</i> , 2017 , 74, 4483-4497	2.4	21
263	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	4.1	21

262	Towards understanding the role of peroxide initiators on compatibilization efficiency of thermoplastic elastomers highly filled with reclaimed GTR. <i>Polymer Testing</i> , 2019 , 73, 143-151	4.5	21
261	Unspoken aspects of chain shuttling reactions: Patterning the molecular landscape of olefin multi-block copolymers. <i>Polymer</i> , 2017 , 116, 55-75	3.9	20
260	Modeling of glycolysis of flexible polyurethane foam wastes by artificial neural network methodology. <i>Polymer International</i> , 2015 , 64, 1111-1120	3.3	20
259	A multiple process optimization strategy for manufacturing environmentally friendly printing toners. <i>Journal of Cleaner Production</i> , 2015 , 108, 121-130	10.3	20
258	Conductive biomaterials as nerve conduits: Recent advances and future challenges. <i>Applied Materials Today</i> , 2020 , 20, 100784	6.6	20
257	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	2.3	20
256	Curing epoxy with Mg-Al LDH nanoplatelets intercalated with carbonate ion. <i>Progress in Organic Coatings</i> , 2019 , 136, 105278	4.8	20
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254	A comparative study on curing characteristics and thermomechanical properties of elastomeric nanocomposites: The effects of eggshell and calcium carbonate nanofillers. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 4241-4250	2.9	20
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