

Mohammad Reza Saeb

List of Publications by Year in Descending Order

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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	Cure Kinetics of Samarium-Doped Fe ₃ O ₄ /Epoxy Nanocomposites. <i>Journal of Composites Science</i> , 2022 , 6, 29	3	0
404	Pressure-induced flow processing behind the superior mechanical properties and heat-resistance performance of poly(butylene succinate). <i>E-Polymers</i> , 2022 , 22, 156-164	2.7	2
403	Dynamics of Antimicrobial Peptide Encapsulation in Carbon Nanotubes: The Role of Hydroxylation.. <i>International Journal of Nanomedicine</i> , 2022 , 17, 125-136	7.3	1
402	GTR/Thermoplastics Blends: How Do Interfacial Interactions Govern Processing and Physico-Mechanical Properties?. <i>Materials</i> , 2022 , 15,	3.5	3
401	Atomistic analysis of 3D fracture fingerprints of mono- and bi-crystalline diamond and gold nanostructures. <i>Engineering Fracture Mechanics</i> , 2022 , 263, 108291	4.2	0
400	Theoretical examination of the fracture behavior of BC ₃ polycrystalline nanosheets: Effect of crack size and temperature. <i>Mechanics of Materials</i> , 2022 , 165, 104158	3.3	2
399	Integration of antifouling properties into epoxy coatings: a review 2022 , 19, 269		2
398	Green metal-organic frameworks (MOFs) for biomedical applications. <i>Microporous and Mesoporous Materials</i> , 2022 , 111670	5.3	7
397	Chitosan-based inks for 3D printing and bioprinting. <i>Green Chemistry</i> , 2022 , 24, 62-101	10	8
396	Polysaccharide-based electroconductive hydrogels: Structure, properties and biomedical applications.. <i>Carbohydrate Polymers</i> , 2022 , 278, 118998	10.3	2
395	Polysaccharides in fabrication of membranes: A review.. <i>Carbohydrate Polymers</i> , 2022 , 281, 119041	10.3	12
394	Polylysine for skin regeneration: A review of recent advances and future perspectives.. <i>Bioengineering and Translational Medicine</i> , 2022 , 7, e10261	14.8	1
393	Structure-properties-performance relationships in complex epoxy nanocomposites: A complete picture applying chemorheological and thermo-mechanical kinetic analyses. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 51446	2.9	1
392	Green products from herbal medicine wastes by subcritical water treatment. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127294	12.8	3
391	Crystalline polysaccharides: A review. <i>Carbohydrate Polymers</i> , 2022 , 275, 118624	10.3	8
390	Green porous benzamide-like nanomembranes for hazardous cations detection, separation, and concentration adjustment. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127130	12.8	9
389	Folic Acid-Adorned Curcumin-Loaded Iron Oxide Nanoparticles for Cervical Cancer.. <i>ACS Applied Bio Materials</i> , 2022 ,	4.1	12

388	COVID-19: A systematic review and update on prevention, diagnosis, and treatment.. <i>MedComm</i> , 2022 , 3, e115	2.2	2
387	Cell-Seeded Biomaterial Scaffolds: The Urgent Need for Unanswered Accelerated Angiogenesis.. <i>International Journal of Nanomedicine</i> , 2022 , 17, 1035-1068	7.3	1
386	Nanomaterials for photothermal and photodynamic cancer therapy. <i>Applied Physics Reviews</i> , 2022 , 9, 011317	17.3	5
385	Green miles in dyeing technology: metal-rich pumpkin extracts in aid of natural dyes.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	2
384	Chlorine-free extraction and structural characterization of cellulose nanofibers from waste husk of millet (<i>Pennisetum glaucum</i>).. <i>International Journal of Biological Macromolecules</i> , 2022 , 206, 92-104	7.9	1
383	Bioactive hybrid metal-organic framework (MOF)-based nanosensors for optical detection of recombinant SARS-CoV-2 spike antigen.. <i>Science of the Total Environment</i> , 2022 , 153902	10.2	2
382	Elucidating the impact of enzymatic modifications on the structure, properties, and applications of cellulose, chitosan, starch and their derivatives: a review. <i>Materials Today Chemistry</i> , 2022 , 24, 100780	6.2	7
381	Synthesis of green benzamide-decorated UiO-66-NH for biomedical applications.. <i>Chemosphere</i> , 2022 , 299, 134359	8.4	0
380	Magnetic nanoparticles-based coatings 2022 , 317-343		
379	Heat transfer through hydrogenated graphene superlattice nanoribbons: a computational study.. <i>Scientific Reports</i> , 2022 , 12, 7966	4.9	0
378	Dynamics of Topology-dependent Water Purification by Siliceous Zeolite Membranes. <i>Journal of Molecular Liquids</i> , 2022 , 359, 119250	6	0
377	Mission impossible for cellular internalization: When porphyrin alliance with UiO-66-NH ₂ MOF gives the cell lines a ride. <i>Journal of Hazardous Materials</i> , 2022 , 436, 129259	12.8	0
376	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
375	An insight into thermal properties of BC-graphene hetero-nanosheets: a molecular dynamics study. <i>Scientific Reports</i> , 2021 , 11, 23064	4.9	6
374	Metal-Organic Frameworks (MOFs) for Cancer Therapy. <i>Materials</i> , 2021 , 14,	3.5	10
373	Emerging Phospholipid Nanobiomaterials for Biomedical Applications to Lab-on-a-Chip, Drug Delivery, and Cellular Engineering.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 8110-8128	4.1	9
372	In-Out Surface Modification of Halloysite Nanotubes (HNTs) for Cure of Epoxy: Chemistry and Kinetics Modeling. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
371	Human Organs-on-Chips: A Review of the State-of-the-Art, Current Prospects, and Future Challenges. <i>Advanced Biology</i> , 2021 , 6, e2000526		1

370	Hyperbranched polyethylenimine functionalized silica/polysulfone nanocomposite membranes for water purification.. <i>Chemosphere</i> , 2021 , 290, 133363	8.4	10
369	Highly antifouling polymer-nanoparticle-nanoparticle/polymer hybrid membranes. <i>Science of the Total Environment</i> , 2021 , 810, 152228	10.2	6
368	Fracture mechanics of polycrystalline beryllium oxide nanosheets: A theoretical basis. <i>Engineering Fracture Mechanics</i> , 2021 , 244, 107552	4.2	17
367	Flame retardant polymer materials: An update and the future for 3D printing developments. <i>Materials Science and Engineering Reports</i> , 2021 , 144, 100604	30.9	52
366	Elastomeric and Plastomeric Materials 2021 , 193-207		0
365	Toward Olefin Multiblock Copolymers with Tailored Properties: A Molecular Perspective. <i>Macromolecular Theory and Simulations</i> , 2021 , 30, 2100003	1.5	1
364	Improvement of dye and protein filtration efficiency using modified PES membrane with 2-mercaptoethanol capped zinc sulfide quantum dots. <i>Chemical Engineering Research and Design</i> , 2021 , 168, 109-121	5.5	9
363	Crystallization of Polysaccharides 2021 , 283-300		0
362	A theoretical insight into the fracture behavior of the edge-cracked polycrystalline BC3 nanosheets. <i>Computational Materials Science</i> , 2021 , 192, 110345	3.2	10
361	Promoting motor functions in a spinal cord injury model of rats using transplantation of differentiated human olfactory stem cells: A step towards future therapy. <i>Behavioural Brain Research</i> , 2021 , 405, 113205	3.4	1
360	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
359	Amine-functionalized metalorganic frameworks/epoxy nanocomposites: Structure-properties relationships. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51005	2.9	8
358	Isothermal Vulcanization and Non-Isothermal Degradation Kinetics of XNBR/Epoxy/XNBR-g-Halloysite Nanotubes (HNT) Nanocomposites. <i>Materials</i> , 2021 , 14,	3.5	2
357	A Green Composite Based on Gelatin/Agarose/Zeolite as a Potential Scaffold for Tissue Engineering Applications. <i>Journal of Composites Science</i> , 2021 , 5, 125	3	5
356	Cellulosic bionanocomposites based on acrylonitrile butadiene rubber and <i>Cuscuta reflexa</i> : adjusting structure-properties balance for higher performance. <i>Cellulose</i> , 2021 , 28, 7053-7073	5.5	3
355	Fracture behavior of SiGe nanosheets: Mechanics of monocrystalline vs. polycrystalline structure. <i>Engineering Fracture Mechanics</i> , 2021 , 251, 107782	4.2	8
354	Multifunctional 3D Hierarchical Bioactive Green Carbon-Based Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8706-8720	8.3	20
353	Thermal conductivity of random polycrystalline BC nanosheets: A step towards realistic simulation of 2D structures. <i>Journal of Molecular Graphics and Modelling</i> , 2021 , 107, 107977	2.8	7

352	Synthesis, rheological characterization, and antibacterial activity of polyvinyl alcohol (PVA)/ zinc oxide nanoparticles wound dressing, achieved under electron beam irradiation. <i>Iranian Polymer Journal (English Edition)</i> , 2021 , 30, 1019-1028	2.3	2
351	Thiomers of Chitosan and Cellulose: Effective Biosorbents for Detection, Removal and Recovery of Metal Ions from Aqueous Medium. <i>Chemical Record</i> , 2021 , 21, 1876-1896	6.6	3
350	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
349	Flame retardancy effect of phosphorus graphite nanoplatelets on ethylene-vinyl acetate copolymer: Physical blending versus chemical modification. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 4296	3.2	0
348	A theoretical probe into the effects of material and operational variables on water purification with zeolite membranes. <i>Microporous and Mesoporous Materials</i> , 2021 , 320, 111070	5.3	3
347	Metal-Organic Frameworks-Based Nanomaterials for Drug Delivery. <i>Materials</i> , 2021 , 14,	3.5	19
346	Laccase immobilization onto natural polysaccharides for biosensing and biodegradation. <i>Carbohydrate Polymers</i> , 2021 , 262, 117963	10.3	13
345	Helical Antimicrobial Peptide Encapsulation and Release from Boron Nitride Nanotubes: A Computational Study. <i>International Journal of Nanomedicine</i> , 2021 , 16, 4277-4288	7.3	4
344	Green chemistry and coronavirus. <i>Sustainable Chemistry and Pharmacy</i> , 2021 , 21, 100415	3.9	15
343	Injectable Cell-Laden Hydrogels for Tissue Engineering: Recent Advances and Future Opportunities. <i>Tissue Engineering - Part A</i> , 2021 , 27, 821-843	3.9	16
342	Chitosan-based blends for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2021 , 183, 1818-1850	7.9	25
341	Theory for designing mechanically stable single- and double-walled SiGe nanopeapods. <i>Journal of Molecular Modeling</i> , 2021 , 27, 214	2	1
340	Comments on Reasonable calculation of the thermodynamic parameters from adsorption equilibrium constant, <i>Journal of Molecular Liquids</i> 322 (2021) 114980. <i>Journal of Molecular Liquids</i> , 2021 , 334, 116542	6	7
339	Fracture fingerprint of polycrystalline CN nanosheets: Theoretical basis. <i>Journal of Molecular Graphics and Modelling</i> , 2021 , 106, 107899	2.8	10
338	MEL zeolite nanosheet membranes for water purification: insights from molecular dynamics simulations. <i>Journal of Nanostructure in Chemistry</i> , 2021 , 1	7.6	0
337	Efficient removal of dyes and proteins by nitrogen-doped porous graphene blended polyethersulfone nanocomposite membranes. <i>Chemosphere</i> , 2021 , 263, 127892	8.4	27
336	Polyhedral oligomeric silsesquioxane/epoxy coatings: a review. <i>Surface Innovations</i> , 2021 , 9, 3-16	1.9	19
335	Oxidation kinetics of water contaminants: New insights from artificial intelligence. <i>Environmental Progress and Sustainable Energy</i> , 2021 , 40,	2.5	3

334	Conductive Biomaterials as Substrates for Neural Stem Cells Differentiation towards Neuronal Lineage Cells. <i>Macromolecular Bioscience</i> , 2021 , 21, e2000123	5.5	10
333	Electrospinning for tissue engineering applications. <i>Progress in Materials Science</i> , 2021 , 117, 100721	42.2	120
332	A theoretical scenario for the mechanical failure of boron carbide nanotubes. <i>Computational Materials Science</i> , 2021 , 186, 110022	3.2	11
331	Is one performing the treatment data of adsorption kinetics correctly?. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104813	6.8	59
330	Correlation between surface topological defects and fracture mechanism of Egraphyne-like boron nitride nanosheets. <i>Computational Materials Science</i> , 2021 , 188, 110152	3.2	10
329	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
328	Assessment of the devulcanization process of EPDM waste from roofing systems by combined thermomechanical/microwave procedures. <i>Polymer Degradation and Stability</i> , 2021 , 183, 109450	4.7	6
327	Imidazole-functionalized nitrogen-rich Mg-Al-CO ₃ 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	5.1	13
326	Advanced Surfaces by Anchoring Thin Hydrogel Layers of Functional Polymers. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021 , 39, 14-34	3.5	4
325	Calcium carbonate and ammonium polyphosphate flame retardant additives formulated to protect ethylene vinyl acetate copolymer against fire: Hydrated or carbonated calcium?. <i>Journal of Vinyl and Additive Technology</i> , 2021 , 27, 264-274	2	1
324	Magnetic nanoparticles in cancer therapy 2021 , 425-445		0
323	Ionic Gelled Polysaccharide-Based Interpenetrating Polymer Network Systems for Drug Delivery. <i>Gels Horizons: From Science To Smart Materials</i> , 2021 , 121-133		2
322	Correlating the Photophysical Properties with the Cure Index of Epoxy Nanocomposite Coatings. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 923-933	3.2	4
321	Nanocomposite biomaterials made by 3D printing: Achievements and challenges 2021 , 675-685		1
320	Magnetic nanoparticles in wastewater treatment 2021 , 547-589		0
319	Ionic Gelled Carboxymethyl Polysaccharides for Drug Delivery. <i>Gels Horizons: From Science To Smart Materials</i> , 2021 , 93-103		1
318	Quantum dots for photocatalysis: synthesis and environmental applications. <i>Green Chemistry</i> , 2021 , 23, 4931-4954	10	22
317	Polymer nanocomposites from the flame retardancy viewpoint: A comprehensive classification of nanoparticle performance using the flame retardancy index 2021 , 61-146		3

316	Nanotechnology-assisted microfluidic systems: from bench to bedside. <i>Nanomedicine</i> , 2021 , 16, 237-258	5.6	16
315	Atomic simulation of adsorption of SO pollutant by metal (Zn, Be)-oxide and Ni-decorated graphene: a first-principles study. <i>Journal of Molecular Modeling</i> , 2021 , 27, 70	2	5
314	Electrocatalytic hydrogen evolution on the noble metal-free MoS ₂ /carbon nanotube heterostructure: a theoretical study. <i>Scientific Reports</i> , 2021 , 11, 3958	4.9	6
313	Nanostructured polyethersulfone nanocomposite membranes for dual protein and dye separation: Lower antifouling with lanthanum (III) vanadate nanosheets as a novel nanofiller. <i>Polymer Testing</i> , 2021 , 94, 107040	4.5	9
312	Electrospinning for developing flame retardant polymer materials: Current status and future perspectives. <i>Polymer</i> , 2021 , 217, 123466	3.9	19
311	Boron Nitride Nanotube as an Antimicrobial Peptide Carrier: A Theoretical Insight. <i>International Journal of Nanomedicine</i> , 2021 , 16, 1837-1847	7.3	13
310	Synthesis, characterization and performance enhancement of dry polyaniline-coated neuroelectrodes for electroencephalography measurement. <i>Current Applied Physics</i> , 2021 , 27, 43-50	2.6	4
309	Coffee Wastes as Sustainable Flame Retardants for Polymer Materials. <i>Coatings</i> , 2021 , 11, 1021	2.9	4
308	Green composites in bone tissue engineering. <i>Emergent Materials</i> , 2021 , 1	3.5	1
307	Epoxy/Ionic Liquid-Modified Mica Nanocomposites: Network Formation-Network Degradation Correlation. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
306	Adsorption onto zeolites: molecular perspective. <i>Chemical Papers</i> , 2021 , 75, 6217	1.9	1
305	Green carbon-based nanocomposite biomaterials through the lens of microscopes. <i>Emergent Materials</i> , 2021 , 1	3.5	2
304	Theoretical Encapsulation of Fluorouracil (5-FU) Anti-Cancer Chemotherapy Drug into Carbon Nanotubes (CNT) and Boron Nitride Nanotubes (BNNT). <i>Molecules</i> , 2021 , 26,	4.8	9
303	Application of graphitic carbon nitrides in developing polymeric membranes: A review. <i>Chemical Engineering Research and Design</i> , 2021 , 173, 234-252	5.5	6
302	Encapsulation of an anticancer drug Isatin inside a host nano-vehicle SWCNT: a molecular dynamics simulation. <i>Scientific Reports</i> , 2021 , 11, 18753	4.9	5
301	Crack pathway analysis in graphene-like BC nanosheets: Towards a deeper understanding. <i>Journal of Molecular Graphics and Modelling</i> , 2021 , 107, 107980	2.8	2
300	Lead adsorption onto Ni- and Pt-decorated nano Alumina: A first-principles study. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116349	6	3
299	Advanced Delivery Systems Based on Lysine or Lysine Polymers. <i>Molecular Pharmaceutics</i> , 2021 , 18, 3653-3670	3.6703	3

298	Comparison of acidic leaching using a conventional and ultrasound-assisted method for preparation of magnetic-activated biochar. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105865	6.8	9
297	Applying molecular dynamics simulation to take the fracture fingerprint of polycrystalline SiC nanosheets. <i>Computational Materials Science</i> , 2021 , 200, 110770	3.2	6
296	Conductive biomaterials as nerve conduits: Recent advances and future challenges. <i>Applied Materials Today</i> , 2020 , 20, 100784	6.6	20
295	Kinetics of Cross-Linking Reaction of Epoxy Resin with Hydroxyapatite-Functionalized Layered Double Hydroxides. <i>Polymers</i> , 2020 , 12,	4.5	12
294	Zeolite in tissue engineering: Opportunities and challenges. <i>MedComm</i> , 2020 , 1, 5-34	2.2	26
293	Cure Kinetics of Silicone/Halloysite Nanotube Composites. <i>Journal of Vinyl and Additive Technology</i> , 2020 , 26, 548-565	2	0
292	Mechanical Properties of CN Nanotubes from Molecular Dynamics Simulation Studies. <i>Nanomaterials</i> , 2020 , 10,	5.4	10
291	Silane-functionalized Al ₂ O ₃ -modified polyurethane powder coatings: Nonisothermal degradation kinetics and mechanistic insights. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49412	2.9	7
290	Ploxamer: A versatile tri-block copolymer for biomedical applications. <i>Acta Biomaterialia</i> , 2020 , 110, 37-67	10.8	79
289	Nonisothermal Cure Kinetics of Epoxy/Polyvinylpyrrolidone Functionalized Superparamagnetic Nano-Fe ₃ O ₄ Composites: Effect of Zn and Mn Doping. <i>Journal of Composites Science</i> , 2020 , 4, 55	3	9
288	Conductive polymers in water treatment: A review. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113447	6	54
287	Phosphorization of exfoliated graphite for developing flame retardant ethylene vinyl acetate composites. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 7341-7353	5.5	8
286	Development and anti-corrosion performance of hyperbranched polyglycerol-decorated Fe ₃ O ₄ @SiO ₂ on mild steel in 1.0 M HCl. <i>Journal of Molecular Liquids</i> , 2020 , 314, 113597	6	7
285	Radical polymerization as a versatile tool for surface grafting of thin hydrogel films. <i>Polymer Chemistry</i> , 2020 , 11, 4355-4381	4.9	11
284	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
283	Flame Retardancy of Bio-Based Polyurethanes: Opportunities and Challenges. <i>Polymers</i> , 2020 , 12,	4.5	40
282	Microstructure and Mechanical Properties of Carboxylated Nitrile Butadiene Rubber/Epoxy/XNBR-grafted Halloysite Nanotubes Nanocomposites. <i>Polymers</i> , 2020 , 12,	4.5	3
281	Halloysite nanotubes (HNTs)/polymer nanocomposites: thermal degradation and flame retardancy 2020 , 67-93		6

280	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
279	Investigating the Impact of Curing System on Structure-Property Relationship of Natural Rubber Modified with Brewery By-Product and Ground Tire Rubber. <i>Polymers</i> , 2020 , 12,	4.5	13
278	Curing Kinetics and Thermal Stability of Epoxy Composites Containing Newly Obtained Nano-Scale Aluminum Hypophosphite (AlPO). <i>Polymers</i> , 2020 , 12,	4.5	34
277	Block copolymers for nanoscale drug and gene delivery 2020 , 181-200		5
276	Metal-Organic Framework (MOF)/Epoxy Coatings: A Review. <i>Materials</i> , 2020 , 13,	3.5	50
275	Zeolites for theranostic applications. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 5992-6012	7.3	26
274	Nonisothermal Crystallization Kinetics of Polylactic Acid under the Influence of Polyolefin Elastomers. <i>Journal of Composites Science</i> , 2020 , 4, 65	3	2
273	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
272	Nanotechnology-based biosensors in drug delivery 2020 , 767-779		5
271	Protein and peptide-based delivery systems 2020 , 145-161		4
270	From microporous to mesoporous mineral frameworks: An alliance between zeolite and chitosan. <i>Carbohydrate Research</i> , 2020 , 489, 107930	2.9	29
269	Piezoelectric Performance of Microcellular Polypropylene Foams Fabricated Using Foam Injection Molding as a Potential Scaffold for Bone Tissue Engineering. <i>Journal of Macromolecular Science - Physics</i> , 2020 , 59, 376-389	1.4	10
268	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
267	Zeolites in drug delivery: Progress, challenges and opportunities. <i>Drug Discovery Today</i> , 2020 , 25, 642-658	6.8	62
266	Dye-sensitized solar cells based on natural photosensitizers: A green view from Iran. <i>Journal of Alloys and Compounds</i> , 2020 , 828, 154329	5.7	19
265	NaA zeolite-coated meshes with tunable hydrophilicity for oil-water separation. <i>Separation and Purification Technology</i> , 2020 , 240, 116630	8.3	31
264	Copper-enriched diamond-like carbon coatings promote regeneration at the bone-implant interface. <i>Heliyon</i> , 2020 , 6, e03798	3.6	15
263	Highly curable self-healing vitrimer-like cellulose-modified halloysite nanotube/epoxy nanocomposite coatings. <i>Chemical Engineering Journal</i> , 2020 , 396, 125196	14.7	65

262	Hydrogel membranes: A review. <i>Materials Science and Engineering C</i> , 2020 , 114, 111023	8.3	47
261	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
260	Agarose-Based Biomaterials: Opportunities and Challenges in Cartilage Tissue Engineering. <i>Polymers</i> , 2020 , 12,	4.5	50
259	Epoxy/Zn-Al-CO ₃ LDH nanocomposites: Curability assessment. <i>Progress in Organic Coatings</i> , 2020 , 138, 105355	4.8	15
258	Application of compatibilized polymer blends in biomedical fields 2020 , 511-537		19
257	Nonisothermal cure kinetics of epoxy/MnxFe ₃ -xO ₄ nanocomposites. <i>Progress in Organic Coatings</i> , 2020 , 140, 105505	4.8	24
256	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
255	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
254	Soft and hard sections from cellulose-reinforced poly(lactic acid)-based food packaging films: A critical review. <i>Food Packaging and Shelf Life</i> , 2020 , 23, 100429	8.2	57
253	Exploring curing potential of epoxy nanocomposites containing nitrate anion intercalated MgAl-DH with Cure Index. <i>Progress in Organic Coatings</i> , 2020 , 139, 105255	4.8	8
252	Experimental and theoretical analyses on mechanical properties and stiffness of hybrid graphene/graphene oxide reinforced EPDM/NBR nanocomposites. <i>Materials Today Communications</i> , 2020 , 22, 100763	2.5	13
251	Thermal-Resistant Polyurethane/Nanoclay Powder Coatings: Degradation Kinetics Study. <i>Coatings</i> , 2020 , 10, 871	2.9	8
250	Anti-fouling polyethersulfone nanofiltration membranes aided by amine-functionalized boron nitride nanosheets with improved separation performance. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104454	6.8	16
249	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
248	Agarose-based biomaterials for advanced drug delivery. <i>Journal of Controlled Release</i> , 2020 , 326, 523-543	11.7	44
247	Microstructure, mechanical and electrical characterizations of bimodal and nanocellular polypropylene/graphene nanoplatelet composite foams. <i>Materials Today Communications</i> , 2020 , 25, 101447	2.5	2
246	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	24
245	New Insights into H ₂ S Adsorption on Graphene and Graphene-Like Structures: A Comparative DFT Study. <i>Journal of Carbon Research</i> , 2020 , 6, 74	3.3	4

244	Insight into the Self-Insertion of a Protein Inside the Boron Nitride Nanotube. <i>ACS Omega</i> , 2020 , 5, 32051-32058	3.3	88
243	Nanostructured polyethersulfone membranes for dye and protein separation: Exploring antifouling role of holmium (III) molybdate nanosheets. <i>Polymer Testing</i> , 2020 , 91, 106796	4.5	10
242	Self-healing Polyol/Borax Hydrogels: Fabrications, Properties and Applications. <i>Chemical Record</i> , 2020 , 20, 1142-1162	6.6	18
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