

Bala Kandasubramanian

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.

261
papers

6,219
citations

42
h-index

62
g-index

267
ext. papers

8,219
ext. citations

4.4
avg, IF

7.51
L-index

#	Paper	IF	Citations
261	Anti-barnacle biofouling coatings for the protection of marine vessels: synthesis and progress.. <i>Environmental Science and Pollution Research</i> , 2022 , 29, 26078	5.1	1
260	Fabrication and molecular dynamics studies of layer-by-layer polyelectrolytic films. <i>European Polymer Journal</i> , 2022 , 163, 110945	5.2	2
259	Fabrication of transparent paper devices from nanocellulose fiber. <i>Materials Chemistry and Physics</i> , 2022 , 125707	4.4	3
258	Bioengineered solar harvesting systems for next generation applications. <i>Solar Energy</i> , 2022 , 231, 857-869	6.9	2
257	Graphene-based TiO composites for photocatalysis & environmental remediation: synthesis and progress.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	4
256	Application of MXenes for water treatment and energy-efficient desalination: A review. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127050	12.8	15
255	Functionalized non-woven surfaces for combating the spread of the COVID-19 pandemic.. <i>Interface Focus</i> , 2022 , 12, 20210040	3.9	1
254	Epoxy/Glass Syntactic Foams for Structural and Functional Application-A Review. <i>European Polymer Journal</i> , 2022 , 111163	5.2	3
253	Self-Healing Nanofibers for Engineering Applications. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 3789-3816	3.9	2
252	4D printing: Pragmatic progression in biofabrication. <i>European Polymer Journal</i> , 2022 , 169, 111128	5.2	4
251	Polycarbonate Nanocomposites for High Impact Applications 2022 , 257-281		1
250	Removal of Zwitterionic PFAS by MXenes: Comparisons with Anionic, Nonionic, and PFAS-Specific Resins.. <i>Environmental Science & Technology</i> , 2022 , 56, 6212-6222	10.3	1
249	Application of MXenes for air purification, gas separation and storage: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 164, 112527	16.2	0
248	Three-dimensional printing of molluscan shell inspired architectures via fused deposition modeling. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 46356-46366	5.1	7
247	Nano-fluoro dispersion functionalized superhydrophobic degummed & waste silk fabric for sustained recovery of petroleum oils & organic solvents from wastewater. <i>Journal of Hazardous Materials</i> , 2021 , 426, 127822	12.8	7
246	Functionalized polylysine biomaterials for advanced medical applications: A review. <i>European Polymer Journal</i> , 2021 , 146, 110248	5.2	21
245	Hyperbranched Polymer-based Nanocomposites: Synthesis, Progress, and Applications. <i>European Polymer Journal</i> , 2021 , 147, 110301	5.2	11

244	Effect of microplastics in water and aquatic systems. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 19544-19562	5.1	72
243	Foamed materials for oil-water separation. <i>Chemical Engineering Journal Advances</i> , 2021 , 5, 100076	3.6	12
242	Silk Fibroin As an Immobilization Matrix for Sensing Applications. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 2015-2042	5.5	10
241	Nanocomposites of MXene for industrial applications. <i>Journal of Alloys and Compounds</i> , 2021 , 862, 158547	4.7	19
240	Needleless electrospun phytochemicals encapsulated nanofibre based 3-ply biodegradable mask for combating COVID-19 pandemic. <i>Chemical Engineering Journal</i> , 2021 , 416, 129152	14.7	25
239	Fluorine-free superhydrophobic characterized coatings: A mini review. <i>Maritime Technology and Research</i> , 2021 , 3, 365-376	1.7	3
238	Thin films for planar solar cells of organic-inorganic perovskite composites 2021 , 95-115		
237	A review of microencapsulated thermochromic coatings for sustainable building applications 2021 , 18, 19-37		11
236	Reduction of carbon dioxide (CO ₂) using Pt & Pd block electro-catalysts: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104798	6.8	7
235	The tactics of thermoelectric scaffolds with its advancements in engineering applications. <i>Polymer-Plastics Technology and Materials</i> , 2021 , 60, 1-24	1.5	2
234	Mollusk-Inspired 3D Printing of Polycarbonate via Fused Deposition Modelling 2021 , 1493-1504		1
233	Fiber-Reinforced Composites for Restituting Automobile Leaf Spring Suspension System. <i>Materials Horizons</i> , 2021 , 67-105	0.6	3
232	Polycarbonate Nanocomposites for High Impact Applications 2021 , 1-25		2
231	Nano-functionalized Polycarbonate Coatings for Heat Sink Applications 2021 , 345-379		
230	POSS nanocomposites for defense and space applications 2021 , 481-498		0
229	Experimental and DFT studies of gadolinium decorated graphene oxide materials for their redox properties and as a corrosion inhibition barrier layer on Mg AZ13 alloy in a 3.5% NaCl environment.. <i>RSC Advances</i> , 2021 , 11, 22095-22105	3.7	3
228	Different Techniques Used for the Incorporation of Inorganic Nanoparticles in XLPE Matrix. <i>Materials Horizons</i> , 2021 , 49-61	0.6	
227	Cyanate Ester/Epoxy Blends for Structural and Functional Composites. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 3260-3277	3.9	10

226	Hot-Melt Adhesives: Fundamentals, Formulations, and Applications: A Critical Review 2021 , 1-28		0
225	Bioactive glass with biocompatible polymers for bone applications. <i>European Polymer Journal</i> , 2021 , 160, 110801	5.2	3
224	Cellulose nanocrystals from agricultural resources: Extraction and functionalisation. <i>European Polymer Journal</i> , 2021 , 160, 110789	5.2	8
223	Aramid Polycarbonate Resin Film Engineered Composite for Ballistic Protection: Engineered Layered Materials. <i>Materials Horizons</i> , 2021 , 49-66	0.6	2
222	High temperature composite materials for electromagnetic applications through a cost effective manufacturing process; resin film infusion. <i>Materials Today: Proceedings</i> , 2020 , 33, 2217-2222	1.4	10
221	Polymeric immunosensors for tumor detection. <i>Biomedical Physics and Engineering Express</i> , 2020 , 6, 032004	0.4	4
220	Nanocellulose based biodegradable polymers. <i>European Polymer Journal</i> , 2020 , 133, 109758	5.2	87
219	State-of-the-Art and Future Electrospun Technology 2020 , 441-482		1
218	Antimicrobial Electrospun Materials 2020 , 483-514		1
217	Nanomaterials and the Environment 2020 , 1-23		5
216	Smart Electrospun Materials 2020 , 351-378		5
215	Application of Electrospun Materials in Water Treatment 2020 , 151-183		0
214	Molecular Dynamic Simulation Constructed Interaction Parameter Investigation between Poly(1,6-heptadiyne) and NiFe ₂ O ₄ in Nanocomposite. <i>Materials Today: Proceedings</i> , 2020 , 24, 1720-1728	1.4	2
213	Correction to Fundamentals and Effects of Biomimicking Stimuli-Responsive Polymers for Engineering Functions <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4838-4841	3.9	
212	Microbiologically extracted poly(hydroxyalkanoates) and its amalgams as therapeutic nano-carriers in anti-tumor therapies. <i>Materials Science and Engineering C</i> , 2020 , 111, 110799	8.3	14
211	Poly(1,6-heptadiyne)/NiFe ₂ O ₄ composite as capacitor for miniaturized electronics. <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 2018-2026	1.5	6
210	Tannins for wastewater treatment. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	11
209	Corrosion inhibition of 316L-type stainless steel under marine environments using epoxy/waste plastic soot coatings. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	7

208	Nanocomposite engineered carbon fabric-mat as a passive metamaterial for stealth application. <i>Journal of Alloys and Compounds</i> , 2020 , 848, 155771	5.7	15
207	Review of manufacturing three-dimensional-printed membranes for water treatment. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 36091-36108	5.1	15
206	Recent advances in dendrimer-based nanoplatfom for cancer treatment: A review. <i>European Polymer Journal</i> , 2020 , 126, 109546	5.2	48
205	Processing trends of silk fibers: Silk degumming, regeneration and physical functionalization. <i>Journal of the Textile Institute</i> , 2020 , 111, 1794-1810	1.5	15
204	Functionalised graphene as flexible electrodes for polymer photovoltaics. <i>Journal of Alloys and Compounds</i> , 2020 , 825, 153954	5.7	28
203	Advancements in Hydrogel-Functionalized Immunosensing Platforms. <i>ACS Omega</i> , 2020 , 5, 2060-2068	3.9	27
202	Molecularly Imprinted Polymers for Selective Recognition and Extraction of Heavy Metal Ions and Toxic Dyes. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 396-418	2.8	36
201	UHMWPE for biomedical applications: Performance and functionalization. <i>European Polymer Journal</i> , 2020 , 125, 109529	5.2	38
200	Polymeric thermoelectric PEDOT: PSS & composites: Synthesis, progress, and applications. <i>European Polymer Journal</i> , 2020 , 132, 109726	5.2	27
199	Advancements in Biological Neural Interfaces Using Conducting Polymers: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 9707-9718	3.9	10
198	Experimental and DFT studies of porous carbon covalently functionalized by polyaniline as a corrosion inhibition barrier on nickel-based alloys in acidic media.. <i>RSC Advances</i> , 2020 , 10, 12151-12165	3.7	5
197	Carbon Xerogels for Effluent Treatment. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 2255-2270	3.8	4
196	Electrospun nanofiber-based cancer sensors: A review. <i>International Journal of Pharmaceutics</i> , 2020 , 583, 119364	6.5	25
195	Nanocrystalline PNS-PZT-Based Energy Harvester for Strategic Applications 2020 , 35-73		
194	Thermal Effects in 3D Printed Parts. <i>Materials Horizons</i> , 2020 , 43-68	0.6	3
193	Physical Characterization of Electrospun Fibers 2020 , 71-112		1
192	Mollusk-Inspired 3D Printing of Polycarbonate via Fused Deposition Modelling 2020 , 1-12		2
191	4D printing of shape memory polymers. <i>European Polymer Journal</i> , 2020 , 134, 109771	5.2	43

190	Recent trends in nanothermites: Fabrication, characteristics and applications. <i>Nano Express</i> , 2020 , 1, 032001	7
189	Functionalized graphene materials for hydrogen storage. <i>Journal of Materials Science</i> , 2020 , 55, 1865-1903	63
188	Mxene functionalized polymer composites: Synthesis and applications. <i>European Polymer Journal</i> , 2020 , 122, 109367	5.2 52
187	A Review on Polymeric-Based Phase Change Material for Thermo-Regulating Fabric Application. <i>Polymer Reviews</i> , 2020 , 60, 389-419	14 35
186	Graphene aerogel-based phase changing composites for thermal energy storage systems. <i>Journal of Materials Science</i> , 2020 , 55, 4127-4156	4.3 28
185	Nanocluster materials in photosynthetic machines. <i>Chemical Engineering Journal</i> , 2020 , 385, 123951	14.7 14
184	Metal Organic Framework Functionalized Fabrics for Detoxification of Chemical Warfare Agents. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 569-586	3.9 23
183	Advancements in MXene-Polymer composites for various biomedical applications. <i>Ceramics International</i> , 2020 , 46, 8522-8535	5.1 61
182	Poly(1,6-heptadiyne)/ABS functionalized microfibers for hydrophobic applications. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7 15
181	Progressive trends in heavy metal ions and dyes adsorption using silk fibroin composites. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 210-237	5.1 25
180	Silk fibres exhibiting biodegradability & superhydrophobicity for recovery of petroleum oils from oily wastewater. <i>Journal of Hazardous Materials</i> , 2020 , 389, 121823	12.8 39
179	Recent advances in 2D MXenes for enhanced cation intercalation in energy harvesting Applications: A review. <i>Chemical Engineering Journal</i> , 2020 , 392, 123678	14.7 73
178	Multifunctional conjugated 1,6-heptadiynes and its derivatives stimulated molecular electronics: Future moletronics. <i>European Polymer Journal</i> , 2020 , 124, 109467	5.2 7
177	Effect of Boron Nitride Addition on Ablation Characteristics of Carbon Fiber Reinforced Resorcinol Formaldehyde Composites. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 19299-19311	3.9 6
176	Surface Preparation for Structural Adhesive Joints 2020 , 1-34	0
175	Polycarbonate and activated charcoal-engineered electrospun nanofibers for selective recovery of oil/solvent from oily wastewater. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8 13
174	3D Printing for Hip Implant Applications: A Review. <i>Polymers</i> , 2020 , 12,	4.5 17
173	Advanced polymeric composites via commingling for critical engineering applications. <i>Polymer Testing</i> , 2020 , 91, 106774	4.5 6

172	3D printed scaffolds for biomedical applications. <i>Materials Chemistry and Physics</i> , 2020 , 255, 123642	4.4	20
171	Silk-Based Composite Scaffolds for Tissue Engineering Applications. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 17593-17611	3.9	20
170	Polycarbazole and its derivatives: progress, synthesis, and applications. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	10
169	Dielectric and conductivity investigation of polycarbonate-copper phthalocyanine electrospun nonwoven fibres for electrical and electronic application. <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 154-168	1.5	16
168	Polymer composite for antistatic application in aerospace. <i>Defence Technology</i> , 2020 , 16, 107-118	3	86
167	Development of highly porous, Electrostatic force assisted nanofiber fabrication for biological applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020 , 69, 477-504	3	9
166	Polymer - phyllosilicate nanocomposites for high-temperature structural application. <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 573-591	1.5	2
165	Biological and mechanical enhancement of zirconium dioxide for medical applications. <i>Ceramics International</i> , 2020 , 46, 4041-4057	5.1	12
164	Naturally biomimicked smart shape memory hydrogels for biomedical functions. <i>Chemical Engineering Journal</i> , 2020 , 379, 122430	14.7	63
163	Technical textiles for military applications. <i>Journal of the Textile Institute</i> , 2020 , 111, 273-308	1.5	20
162	Toward sustainable performance of reservoir sedimentation in aquatic environment of Katery lake, Tamil Nadu, India. <i>International Journal of Environmental Science and Technology</i> , 2020 , 17, 933-944	3.3	1
161	Photoinduced hydrophilicity and self-cleaning characteristics of silicone-modified soya alkyd/TiO ₂ nanocomposite coating 2020 , 17, 719-730		6
160	Radar Transparent, Impact-Resistant, and High-Temperature Capable Radome Composites Using Polyetherimide-Toughened Cyanate Ester Resins for High-Speed Aircrafts through Resin Film Infusion. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 7502-7511	3.9	16
159	Starch/PVA hydrogels for oil/water separation. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 32013-32028	5.1	23
158	Superhydrophobic corrosion inhibition polymer coatings 2019 , 223-243		11
157	Effect of Zirconium Diboride Incorporation on Thermal Stability and Ablation Characteristics of Carbon Fiber-Reinforced Resorcinol/Formaldehyde Composites. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 18623-18634	3.9	8
156	Exploration of elastomeric and polymeric liquid crystals with photothermal actuation: A review. <i>European Polymer Journal</i> , 2019 , 121, 109287	5.2	21
155	Thermomechanical characteristics of h-BN- and POSS-based bisphenol A polycarbonate nanocomposites. <i>Polymer-Plastics Technology and Materials</i> , 2019 , 58, 1742-1756	1.5	4

154	Mechanothermal and chemical recycling methodologies for the Fibre Reinforced Plastic (FRP). <i>Environmental Technology and Innovation</i> , 2019 , 14, 100311	7	46
153	Barium Titanate: A Novel Perovskite Oxide Burning Rate Modifier for HTPB/AP/Al Based Composite Propellant Formulations. <i>Propellants, Explosives, Pyrotechnics</i> , 2019 , 44, 505-512	1.7	1
152	Biodegradable Polymeric Solid Framework-Based Organic Phase-Change Materials for Thermal Energy Storage. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 10652-10677	3.9	39
151	Progress in silk materials for integrated water treatments: Fabrication, modification and applications. <i>Chemical Engineering Journal</i> , 2019 , 374, 437-470	14.7	61
150	Fundamentals and Effects of Biomimicking Stimuli-Responsive Polymers for Engineering Functions. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 9709-9757	3.9	37
149	Advancements in nanofibers for wound dressing: A review. <i>European Polymer Journal</i> , 2019 , 117, 304-336	3.2	150
148	Progress in the Development of Intrinsically Conducting Polymer Composites as Biosensors. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1800561	2.6	62
147	Ion-imprinted nanofibers of PVDF/1-butyl-3-methylimidazolium tetrafluoroborate for dynamic recovery of europium (III) ions from mimicked effluent. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103068	6.8	25
146	Electroless nickel fabrication on surface modified magnesium substrates. <i>Defence Technology</i> , 2019 , 15, 636-644	3	13
145	Progress in the Advancement of Porous Biopolymer Scaffold: Tissue Engineering Application. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 6163-6194	3.9	84
144	Recent Advances in Additive Manufacturing of Bio-inspired Materials 2019 , 35-68		13
143	Zirconium-Doped Hybrid Composite Systems for Ultrahigh-Temperature Oxidation Applications: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 4711-4731	3.9	12
142	Nanotechnology for Oil-Water Separation. <i>Nanotechnology in the Life Sciences</i> , 2019 , 299-339	1.1	29
141	Engineered Smart Textiles and Janus Microparticles for Diverse Functional Industrial Applications. <i>Polymer-Plastics Technology and Materials</i> , 2019 , 58, 229-245	1.5	10
140	Development and characterization of a contoured passive thermal protection system. <i>International Journal of Applied Ceramic Technology</i> , 2019 , 16, 170-184	2	8
139	Polymer Fuel Cell Based on Polybenzimidazole Membrane: A Review. <i>Polymer-Plastics Technology and Materials</i> , 2019 , 58, 465-497	1.5	11
138	A review: advancements in fluoro-based polymers for aggrandizing anti-galling and wear resistant characteristics. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	5
137	Review of alginate-based hydrogel bioprinting for application in tissue engineering. <i>Biofabrication</i> , 2019 , 11, 042001	10.5	164

136	Phase Cu-Phthalocyanine/Acrylonitrile Butadiene Styrene Terpolymer Nanocomposite Film Technology for Organoelectronic Applications. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 28081-28092	3.8	17
135	Rapid investigation expiry drug green corrosion inhibitor on mild steel in NaCl medium. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019 , 249, 114423	3.1	18
134	Nano-functionalized Polycarbonate Coatings for Heat Sink Applications 2019 , 1-35		
133	Nanocrystalline PNS-PZT-Based Energy Harvester for Strategic Applications 2019 , 1-39		
132	Breakthrough in the printing tactics for stimuli-responsive materials: 4D printing. <i>Chemical Engineering Journal</i> , 2019 , 366, 264-304	14.7	104
131	Graphene and Graphene Oxide-Based Composites for Removal of Organic Pollutants: A Review. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 833-867	2.8	149
130	A polydopamine-based platform for anti-cancer drug delivery. <i>Biomaterials Science</i> , 2019 , 7, 1776-1793	7.4	72
129	Rudiment of Galling: Tribological phenomenon for engineering components in aggregate with the advancement in functioning of the anti-galling coatings. <i>Surfaces and Interfaces</i> , 2019 , 17, 100383	4.1	6
128	6. Aggrandized flexural properties of assorted natural biological materials 2019 , 111-140		5
127	Advances in Ablative Composites of Carbon Based Materials: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 22663-22701	3.9	34
126	Experimental and computational studies of a graphene oxide barrier layer covalently functionalized with amino acids on Mg AZ13 alloy in salt medium.. <i>RSC Advances</i> , 2019 , 9, 32441-32447	3.7	14
125	Terpolymer (ABS) cermet (Ni-NiFe ₂ O ₄) hybrid nanocomposite engineered 3D-carbon fabric mat as a X-band electromagnetic interference shielding material. <i>Materials Letters</i> , 2019 , 238, 214-217	3.3	31
124	Electronic properties of Poly(1,6-heptadiynes) electrospun fibrous non-woven mat. <i>Materials Chemistry and Physics</i> , 2019 , 223, 343-352	4.4	31
123	Fused deposition processing polycaprolactone of composites for biomedical applications. <i>Polymer-Plastics Technology and Materials</i> , 2019 , 58, 1365-1398	1.5	27
122	Effect of Ammonium Perchlorate Particle Size on Flow, Ballistic, and Mechanical Properties of Composite Propellant 2019 , 299-362		10
121	Burning rate and other characteristics of strontium titanate (SrTiO ₃) supplemented AP/HTPB/Al composite propellants. <i>Defence Technology</i> , 2019 , 15, 313-318	3	7
120	Thermoplastic-Toughened High-Temperature Cyanate Esters and Their Application in Advanced Composites. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 4479-4504	3.9	41
119	Bionic Prototyping of Honeycomb Patterned Polymer Composite and Its Engineering Application. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 1828-1844		19

118	Nanofibers of resorcinol-formaldehyde for effective adsorption of As (III) ions from mimicked effluents. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 11729-11745	5.1	34
117	Investigation of dielectric properties of free standing electrospun nonwoven mat. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46121	2.9	22
116	Heterogeneous wettable cotton based superhydrophobic Janus biofabric engineered with PLA/functionalized-organoclay microfibers for efficient oil/water separation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7457-7479	13	128
115	Thermally triggered transition of fluid atomized micro- and nanotextured multiscale rough surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 549, 212-220	5.1	11
114	Fabrication, Physicochemical Characterizations and Electrical Conductivity Studies of Modified Carbon Nanofiber-Reinforced Epoxy Composites: Effect of 1-Butyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquid. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 218-228		18
113	Biomimetic Design of Artificial Materials Inspired by Iridescent Nacre Structure and Its Growth Mechanism. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 1592-1606		14
112	Review on Three-Dimensionally Emulated Fiber-Embedded Lactic Acid Polymer Composites: Opportunities in Engineering Sector. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 860-874		31
111	Biomimicking of Hierarchical Molluscan Shell Structure Via Layer by Layer 3D Printing. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10832-10840	3.9	37
110	Dielectric Polymeric Compositions for Improved Electrical Properties of Flexible Electronics 2018 , 430-467		7
109	Hierarchical Electrospun Super-Hydrophobic Nanocomposites of Fluoroelastomer. <i>Materials Focus</i> , 2018 , 7, 194-206		14
108	Quantitative Evolution of Wetting Phenomena for Super Hydrophobic Surfaces. <i>Materials Focus</i> , 2018 , 7, 305-315		6
107	Facile Immobilization of Camphor Soot on Electrospun Hydrophobic Membrane for Oil-Water Separation. <i>Materials Focus</i> , 2018 , 7, 295-303		15
106	Overview of Failure Modes of Pseudo Compositionally Graded Thermal Barrier Coatings and Remedies for Augmenting the Service Life of the Coated Components. <i>Materials Focus</i> , 2018 , 7, 741-750		3
105	Ion-imprinted electrospun nanofibers of chitosan/1-butyl-3-methylimidazolium tetrafluoroborate for the dynamic expulsion of thorium (IV) ions from mimicked effluents. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 3320-3334	5.1	45
104	NiFeO/Poly(1,6-heptadiyne) Nanocomposite Energy-Storage Device for Electrical and Electronic Applications. <i>ACS Omega</i> , 2018 , 3, 15256-15266	3.9	25
103	Functionalized Aramid Fibers and Composites for Protective Applications: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 16537-16563	3.9	55
102	Polymer matrix composites as broadband radar absorbing structures for stealth aircrafts. <i>Journal of Applied Polymer Science</i> , 2018 , 136, 47241	2.9	37
101	Magnetodielectric Microwave Radiation Absorbent Materials and Their Polymer Composites. <i>Journal of Electronic Materials</i> , 2018 , 47, 6335-6365	1.9	31

100	The Importance of Electroless Metallic Build-Up on Surface Modified Substrates for Multifunctional Engineering Applications: A Recent Progress Update. <i>Transactions of the Indian Institute of Metals</i> , 2018 , 71, 2873-2892	1.2	7
99	Flexible Polymeric Substrates for Electronic Applications. <i>Polymer Reviews</i> , 2018 , 58, 630-667	14	42
98	Biocompatible alkyl cyanoacrylates and their derivatives as bio-adhesives. <i>Biomaterials Science</i> , 2018 , 6, 1691-1711	7.4	42
97	Dielectric, Hydrophobic Investigation of ABS/NiFe ₂ O ₄ Nanocomposites Fabricated by Atomized Spray Assisted and Solution Casted Techniques for Miniaturized Electronic Applications. <i>Journal of Electronic Materials</i> , 2018 , 47, 5640-5656	1.9	21
96	Graphene and Graphene Oxide for Fuel Cell Technology. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 9333-9350	3.9	67
95	Thermal Ablation and Laser Shielding Characteristics of Ionic liquid-microseeded Functionalized Nanoclay/Resorcinol Formaldehyde Nanocomposites for Armor Protection. <i>Polymer-Plastics Technology and Engineering</i> , 2017 , 56, 1542-1555		12
94	Directional Fluid Gating by Janus Membranes with Heterogeneous Wetting Properties for Selective Oil-Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19102-19113	9.5	91
93	Ionic-liquid-assisted three-dimensional caged silica ablative nanocomposites. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45328	2.9	8
92	Review on 3D Prototyping of Damage Tolerant Interdigitating Brick Arrays of Nacre. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 10516-10525	3.9	37
91	Structural and Thermal Stability of Polycarbonate Decorated Fumed Silica Nanocomposite via Thermomechanical Analysis and In-situ Temperature Assisted SAXS. <i>Scientific Reports</i> , 2017 , 7, 7706	4.9	28
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