

George P. Simon

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271
papers

10,456
citations

55
h-index

89
g-index

278
ext. papers

11,864
ext. citations

6.5
avg, IF

6.57
L-index

#	Paper	IF	Citations
271	Nitrogen-Doped Nanoporous Carbon/Graphene Nano-Sandwiches: Synthesis and Application for Efficient Oxygen Reduction. <i>Advanced Functional Materials</i> , 2015 , 25, 5768-5777	15.6	328
270	Thermoplastic toughening of epoxy resins: a critical review. <i>Polymers for Advanced Technologies</i> , 1998 , 9, 3-10	3.2	287
269	Controllable corrugation of chemically converted graphene sheets in water and potential application for nanofiltration. <i>Chemical Communications</i> , 2011 , 47, 5810-2	5.8	277
268	Stimuli-responsive polymer hydrogels as a new class of draw agent for forward osmosis desalination. <i>Chemical Communications</i> , 2011 , 47, 1710-2	5.8	227
267	Rheological and Viscoelastic Behavior of HDPE/Octamethyl-POSS Nanocomposites. <i>Macromolecules</i> , 2006 , 39, 1839-1849	5.5	223
266	Scalable production of graphene via wet chemistry: progress and challenges. <i>Materials Today</i> , 2015 , 18, 73-78	21.8	209
265	Electrochemical exfoliation of graphite and production of functional graphene. <i>Current Opinion in Colloid and Interface Science</i> , 2015 , 20, 329-338	7.6	202
264	Preparation and characterization of slow-release fertilizer encapsulated by starch-based superabsorbent polymer. <i>Carbohydrate Polymers</i> , 2016 , 147, 146-154	10.3	193
263	On the Interpretation of X-Ray Diffraction Powder Patterns in Terms of the Nanostructure of Cellulose I Fibres. <i>Macromolecular Chemistry and Physics</i> , 2005 , 206, 1568-1575	2.6	192
262	Gold nanoparticle-paper as a three-dimensional surface enhanced Raman scattering substrate. <i>Langmuir</i> , 2012 , 28, 8782-90	4	190
261	A Versatile Iron-Tannin-Framework Ink Coating Strategy to Fabricate Biomass-Derived Iron Carbide/Fe-N-Carbon Catalysts for Efficient Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1355-9	16.4	181
260	Ion transport in complex layered graphene-based membranes with tuneable interlayer spacing. <i>Science Advances</i> , 2016 , 2, e1501272	14.3	167
259	Robust Thermoresponsive Polymer Composite Membrane with Switchable Superhydrophilicity and Superhydrophobicity for Efficient Oil-Water Separation. <i>Environmental Science & Technology</i> , 2016 , 50, 906-14	10.3	156
258	Altering the growth conditions of <i>Gluconacetobacter xylinus</i> to maximize the yield of bacterial cellulose. <i>Carbohydrate Polymers</i> , 2012 , 89, 613-22	10.3	156
257	Synthesis of New Polyaniline/Nanotube Composites Using Ultrasonically Initiated Emulsion Polymerization. <i>Chemistry of Materials</i> , 2006 , 18, 6258-6265	9.6	155
256	Paper surfaces functionalized by nanoparticles. <i>Advances in Colloid and Interface Science</i> , 2011 , 163, 23-38	14.3	141
255	A graphene-directed assembly route to hierarchically porous CoNi _x /C catalysts for high-performance oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16867-16873	13	135

254	Low-voltage electrostatic modulation of ion diffusion through layered graphene-based nanoporous membranes. <i>Nature Nanotechnology</i> , 2018 , 13, 685-690	28.7	134
253	Influence of the polymer structure and nanotube concentration on the conductivity and rheological properties of polyethylene/CNT composites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 2440-2445	3	125
252	Forward osmosis desalination using polymer hydrogels as a draw agent: influence of draw agent, feed solution and membrane on process performance. <i>Water Research</i> , 2013 , 47, 209-15	12.5	121
251	Composite polymer hydrogels as draw agents in forward osmosis and solar dewatering. <i>Soft Matter</i> , 2011 , 7, 10048	3.6	120
250	Curing kinetics and thermal properties of vinyl ester resins. <i>Journal of Applied Polymer Science</i> , 1997 , 64, 769-781	2.9	118
249	Synthesis of a diamine cross-linker containing Diels-Alder adducts to produce self-healing thermosetting epoxy polymer from a widely used epoxy monomer. <i>Polymer Chemistry</i> , 2013 , 4, 724-730	4.9	114
248	Studies on blends of epoxy-functionalized hyperbranched polymer and epoxy resin. <i>Journal of Materials Science</i> , 2003 , 38, 147-154	4.3	112
247	Effect of organo-phosphorus and nano-clay materials on the thermal and fire performance of epoxy resins. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 1233-1253	2.9	111
246	Toughening of trifunctional epoxy using an epoxy-functionalized hyperbranched polymer. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 2339-2345	2.9	102
245	Effect of particle size on the performance of forward osmosis desalination by stimuli-responsive polymer hydrogels as a draw agent. <i>Chemical Engineering Journal</i> , 2013 , 215-216, 913-920	14.7	98
244	Volume-invariant ionic liquid microbands as highly durable wearable biomedical sensors. <i>Materials Horizons</i> , 2016 , 3, 208-213	14.4	96
243	Controllable synthesis of mesoporous carbon nanospheres and Fe-N/carbon nanospheres as efficient oxygen reduction electrocatalysts. <i>Nanoscale</i> , 2015 , 7, 6247-54	7.7	93
242	Standing Enokitake-like Nanowire Films for Highly Stretchable Elastronics. <i>ACS Nano</i> , 2018 , 12, 9742-9748	16.7	93
241	The effect of functionalization on structure and electrical conductivity of multi-walled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2008 , 10, 77-88	2.3	88
240	Significantly enhanced water flux in forward osmosis desalination with polymer-graphene composite hydrogels as a draw agent. <i>RSC Advances</i> , 2013 , 3, 887-894	3.7	85
239	Bifunctional polymer hydrogel layers as forward osmosis draw agents for continuous production of fresh water using solar energy. <i>Environmental Science & Technology</i> , 2013 , 47, 13160-6	10.3	84
238	Morphologies and microstructures of cornstarches with different amylose-amylopectin ratios studied by confocal laser scanning microscope. <i>Journal of Cereal Science</i> , 2009 , 50, 241-247	3.8	77
237	Internal structures and phase-transitions of starch granules during gelatinization. <i>Carbohydrate Polymers</i> , 2011 , 83, 1975-1983	10.3	77

236	Synthesis of POSS/Methyl Methacrylate-Based Cross-Linked Hybrid Materials. <i>Macromolecules</i> , 2008 , 41, 1685-1692	5.5	77
235	Photodegradable Gelatin-Based Hydrogels Prepared by Bioorthogonal Click Chemistry for Cell Encapsulation and Release. <i>Biomacromolecules</i> , 2015 , 16, 2246-53	6.9	73
234	Fast deswelling of nanocomposite polymer hydrogels via magnetic field-induced heating for emerging FO desalination. <i>Environmental Science & Technology</i> , 2013 , 47, 6297-305	10.3	72
233	Polycrystalline Advanced Microporous Framework Membranes for Efficient Separation of Small Molecules and Ions. <i>Advanced Materials</i> , 2020 , 32, e1902009	24	70
232	Highly crosslinked, chlorine tolerant polymer network entwined graphene oxide membrane for water desalination. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1533-1540	13	67
231	Mechanically-Assisted Electrochemical Production of Graphene Oxide. <i>Chemistry of Materials</i> , 2016 , 28, 8429-8438	9.6	67
230	Vertically Aligned Gold Nanowires as Stretchable and Wearable Epidermal Ion-Selective Electrode for Noninvasive Multiplexed Sweat Analysis. <i>Analytical Chemistry</i> , 2020 , 92, 4647-4655	7.8	66
229	In situ modifications to bacterial cellulose with the water insoluble polymer poly-3-hydroxybutyrate. <i>Carbohydrate Polymers</i> , 2013 , 92, 1717-23	10.3	66
228	Processing and morphological development of carbon black filled conducting blends using a binary host of poly(styrene co-acrylonitrile) and poly(styrene). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 3106-3119	2.6	65
227	Enokitake Mushroom-like Standing Gold Nanowires toward Wearable Noninvasive Bimodal Glucose and Strain Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9724-9729	9.5	63
226	Graphene-Directed Supramolecular Assembly of Multifunctional Polymer Hydrogel Membranes. <i>Advanced Functional Materials</i> , 2015 , 25, 126-133	15.6	62
225	Interfacing colloidal graphene oxide sheets with gold nanoparticles. <i>Chemistry - A European Journal</i> , 2011 , 17, 5958-64	4.8	61
224	Effects of annealing on gelatinization and microstructures of corn starches with different amylose/amylopectin ratios. <i>Carbohydrate Polymers</i> , 2009 , 77, 662-669	10.3	61
223	The enhanced hydrogen separation performance of mixed matrix membranes by incorporation of two-dimensional ZIF-L into polyimide containing hydroxyl group. <i>Journal of Membrane Science</i> , 2018 , 549, 260-266	9.6	60
222	Effects of hydrophilic fillers on the thermal degradation of poly(lactic acid). <i>Thermochimica Acta</i> , 2010 , 509, 147-151	2.9	59
221	Cold isostatic pressing technique for producing highly efficient flexible dye-sensitised solar cells on plastic substrates. <i>Progress in Photovoltaics: Research and Applications</i> , 2012 , 20, 321-332	6.8	58
220	The effect of carbon nanotube properties on the degree of dispersion and reinforcement of high density polyethylene. <i>Polymer</i> , 2010 , 51, 3540-3550	3.9	58
219	Conditions of applying Oliver-Pharr method to the nanoindentation of particles in composites. <i>Composites Science and Technology</i> , 2012 , 72, 1147-1152	8.6	56

218	Preparation of graphene nanowalls by a simple microwave-based method. <i>Carbon</i> , 2010 , 48, 3993-4000	10.4	55
217	A Versatile Iron-Mannin-Framework Ink Coating Strategy to Fabricate Biomass-Derived Iron Carbide/Fe-N-Carbon Catalysts for Efficient Oxygen Reduction. <i>Angewandte Chemie</i> , 2016 , 128, 1377-1381	3.6	55
216	Highly permeable thermally rearranged polymer composite membranes with a graphene oxide scaffold for gas separation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7668-7674	13	54
215	A sunlight-responsive metal-organic framework system for sustainable water desalination. <i>Nature Sustainability</i> , 2020 , 3, 1052-1058	22.1	53
214	Liquid-Wetting-Solid Strategy To Fabricate Stretchable Sensors for Human-Motion Detection. <i>ACS Sensors</i> , 2016 , 1, 303-311	9.2	52
213	Effect of cationic polyacrylamides on the aggregation and SERS performance of gold nanoparticles-treated paper. <i>Journal of Colloid and Interface Science</i> , 2013 , 392, 237-246	9.3	52
212	Starch gelatinization under pressure studied by high pressure DSC. <i>Carbohydrate Polymers</i> , 2009 , 75, 395-400	10.3	52
211	Effects of oxygen plasma treatment on the surface of bisphenol A polycarbonate: a study using SIMS, principal component analysis, ellipsometry, XPS and AFM nanoindentation. <i>Surface and Interface Analysis</i> , 2006 , 38, 1186-1197	1.5	52
210	Enhanced Thermal Conductivity of Copper Nanofluids: The Effect of Filler Geometry. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18925-18935	9.5	51
209	Enhancement of desalination performance of thin-film nanocomposite membrane by cellulose nanofibers. <i>Journal of Membrane Science</i> , 2019 , 592, 117363	9.6	50
208	Phase separation, porous structure, and cure kinetics in aliphatic epoxy resin containing hyperbranched polyester. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 889-899	2.6	49
207	Nanocomposites of poly(methyl methacrylate) and organically modified layered silicates by melt intercalation. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 2101-2115	2.9	49
206	Enhanced Mechanical Performance of Bio-Inspired Hybrid Structures Utilising Topological Interlocking Geometry. <i>Scientific Reports</i> , 2016 , 6, 26706	4.9	48
205	Manipulation of mechanical compliance of elastomeric PGS by incorporation of halloysite nanotubes for soft tissue engineering applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011 , 4, 1805-18	4.1	48
204	Dielectric Relaxations in a Hyperbranched Polyester with Terminal Hydroxyl Groups: Effects of Generation Number. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 3008-3017	2.6	48
203	Reinforcing brittle and ductile epoxy matrices using carbon nanotubes masterbatch. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014 , 61, 126-133	8.4	47
202	Copper Nanowire-Filled Soft Elastomer Composites for Applications as Thermal Interface Materials. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700387	4.6	44
201	Unconventional Janus Properties of Enokitake-like Gold Nanowire Films. <i>ACS Nano</i> , 2018 , 12, 8717-8722	16.7	43

200	Vertical Gold Nanowires Stretchable Electrochemical Electrodes. <i>Analytical Chemistry</i> , 2018 , 90, 13498-13505	3.5	43
199	Scission of electrospun polymer fibres by ultrasonication. <i>Polymer</i> , 2013 , 54, 4237-4252	3.9	42
198	Some issues on nanoindentation method to measure the elastic modulus of particles in composites. <i>Composites Part B: Engineering</i> , 2011 , 42, 2093-2097	10	42
197	Synthesis and thermal behavior of inorganic/organic hybrid geopolymer composites. <i>Journal of Applied Polymer Science</i> , 2005 , 96, 112-121	2.9	42
196	Non-swelling graphene oxide-polymer nanocomposite membrane for reverse osmosis desalination. <i>Journal of Membrane Science</i> , 2018 , 562, 47-55	9.6	42
195	Design, Preparation and Characterization of Self-Reinforced Starch Films through Chemical Modification. <i>Macromolecular Materials and Engineering</i> , 2010 , 295, 1025-1030	3.9	41
194	Fabrication and characterization of functionally graded synthetic graphite/phenolic nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 545, 123-131	5.3	40
193	Field emission study of graphene nanowalls prepared by microwave-plasma method. <i>Carbon</i> , 2011 , 49, 2875-2877	10.4	39
192	Cure properties of epoxies with varying chain length as studied by DSC. <i>Journal of Applied Polymer Science</i> , 1999 , 72, 1479-1488	2.9	39
191	Nanostructured ZrO ₂ -Coated TiO ₂ Electrodes for Dye-Sensitised Solar Cells. <i>Journal of Sol-Gel Science and Technology</i> , 2004 , 32, 363-366	2.3	38
190	Investigation of the thermal self-healing mechanism in a cross-linked epoxy system. <i>RSC Advances</i> , 2013 , 3, 20699	3.7	37
189	Use of layered silicates to supplementarily toughen high performance epoxy-carbon fiber composites. <i>Journal of Materials Science Letters</i> , 2003 , 22, 1411-1414		37
188	Thermal and mechanical properties of a hydroxyl-functional dendritic hyperbranched polymer and trifunctional epoxy resin blends. <i>Polymer Engineering and Science</i> , 2001 , 41, 1815-1822	2.3	37
187	Toughening of a trifunctional epoxy system. II. Thermal characterization of epoxy/amine cure. <i>Journal of Applied Polymer Science</i> , 1996 , 60, 2251-2263	2.9	37
186	Insights into the hierarchical structure and digestion rate of alkali-modulated starches with different amylose contents. <i>Carbohydrate Polymers</i> , 2016 , 144, 271-81	10.3	37
185	Voltage-Gated Ion Transport in Two-Dimensional Sub-1 nm Nanofluidic Channels. <i>ACS Nano</i> , 2019 , 13, 11793-11799	16.7	36
184	Anomalous rheological behavior in chemically modified TiO ₂ colloidal pastes prepared for flexible dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9954		36
183	One-shot TEMPO-periodate oxidation of native cellulose. <i>Carbohydrate Polymers</i> , 2019 , 226, 115292	10.3	35

182	A free volume study of miscible polyester blends. <i>Polymer International</i> , 1995 , 36, 127-136	3.3	35
181	Effect of annealing and pressure on microstructure of cornstarches with different amylose/amylopectin ratios. <i>Carbohydrate Research</i> , 2009 , 344, 350-4	2.9	34
180	Processing and chemorheology of epoxy resins and their blends with dendritic hyperbranched polymers. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 1604-1610	2.9	34
179	Hydrogel-polyurethane interpenetrating network material as an advanced draw agent for forward osmosis process. <i>Water Research</i> , 2016 , 96, 292-8	12.5	34
178	Light-triggered release of ciprofloxacin from an in situ forming click hydrogel for antibacterial wound dressings. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8771-8774	7.3	33
177	Influence of noncovalent modification on dispersion state of multiwalled carbon nanotubes in melt-mixed immiscible polymer blends. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 11054-67	9.5	32
176	A phosphorus-containing diamine for flame-retardant, high-functionality epoxy resins. I. Synthesis, reactivity, and thermal degradation properties. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 2093-2100	2.9	32
175	Light-Healable Epoxy Polymer Networks via Anthracene Dimer Scission of Diamine Crosslinker. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19429-19443	9.5	31
174	Rheological and Structure Investigation of Melt Mixed Multi-Walled Carbon Nanotube/PE Composites. <i>Macromolecular Symposia</i> , 2007 , 247, 78-87	0.8	31
173	Toughening of trifunctional epoxy system. V. Structure-property relationships of neat resin. <i>Journal of Applied Polymer Science</i> , 2000 , 77, 237-248	2.9	31
172	The effect of crystallinity on chain mobility and free volume in the amorphous regions of a miscible polycarbonate/polyester blend. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994 , 32, 1237-1247	2.6	31
171	Self-assembled gold nanorime mesh conductors for invisible stretchable supercapacitors. <i>Nanoscale</i> , 2018 , 10, 15948-15955	7.7	30
170	Response to osmotic pressure versus swelling pressure: comment on "bifunctional polymer hydrogel layers as forward osmosis draw agents for continuous production of fresh water using solar energy". <i>Environmental Science & Technology</i> , 2014 , 48, 4214-5	10.3	30
169	Microwave processing of TiO ₂ blocking layers for dye-sensitized solar cells. <i>Journal of Sol-Gel Science and Technology</i> , 2006 , 40, 45-54	2.3	30
168	Photoreversible Smart Polymers Based on 2+2 Cycloaddition Reactions: Nanofilms to Self-Healing Films. <i>Macromolecules</i> , 2019 , 52, 2446-2455	5.5	29
167	Thermoresponsive Amphoteric Metal-Organic Frameworks for Efficient and Reversible Adsorption of Multiple Salts from Water. <i>Advanced Materials</i> , 2018 , 30, e1802767	24	28
166	Phase reduction of coated maghemite (γ-Fe ₂ O ₃) nanoparticles under microwave-induced plasma heating for rapid heat treatment. <i>Journal of Materials Chemistry</i> , 2012 , 22, 617-625		28
165	A simple microwave-based method for preparation of Fe ₃ O ₄ /carbon composite nanoparticles. <i>Materials Letters</i> , 2010 , 64, 1684-1687	3.3	28

164	Preparation and characterization of uniaxial poly(lactic acid)-based self-reinforced composites. <i>Composites Science and Technology</i> , 2015 , 117, 392-397	8.6	27
163	Experimental investigation on the thermal and mechanical properties of nanoclay-modified adhesives used for bonding CFRP to concrete substrates. <i>Construction and Building Materials</i> , 2012 , 28, 769-778	6.7	27
162	Light triggered self-healing of polyacrylate polymers crosslinked with 7-methacryloyoxycoumarin crosslinker. <i>Polymer Chemistry</i> , 2017 , 8, 5875-5883	4.9	27
161	Characterisation of the thermal self-healing of a high crosslink density epoxy thermoset. <i>New Journal of Chemistry</i> , 2015 , 39, 3497-3506	3.6	26
160	Rheological and gel properties of hydroxypropyl methylcellulose/hydroxypropyl starch blends. <i>Colloid and Polymer Science</i> , 2015 , 293, 229-237	2.4	26
159	Optimizing the degree of carbon nanotube dispersion in a solvent for producing reinforced epoxy matrices. <i>Powder Technology</i> , 2015 , 284, 541-550	5.2	25
158	Electrolyte gating in graphene-based supercapacitors and its use for probing nanoconfined charging dynamics. <i>Nature Nanotechnology</i> , 2020 , 15, 683-689	28.7	25
157	PALS free volume and mechanical properties in dimethacrylate-based thermosets. <i>Polymer International</i> , 2004 , 53, 557-568	3.3	25
156	Preparation and properties of composition-controlled carbon nanofiber/phenolic nanocomposites. <i>Composites Part B: Engineering</i> , 2013 , 52, 120-126	10	24
155	Evolution of directly-spinnable carbon nanotube growth by recycling analysis. <i>Carbon</i> , 2011 , 49, 1989-1997	7.4	24
154	Toughening of a trifunctional epoxy system: IV. Dynamic mechanical relaxational study of the thermoplastic-modified cure process. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997 , 35, 153-163	2.6	24
153	Effects of molecular weight and clay organo-ions on the melt intercalation of poly(ethylene oxide) into layered silicates. <i>Polymer Engineering and Science</i> , 2002 , 42, 2369-2382	2.3	24
152	Functionalized Boron Nitride Nanosheets: A Thermally Rearranged Polymer Nanocomposite Membrane for Hydrogen Separation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16056-16061	16.4	24
151	Functionalized Boron Nitride Nanosheets: A Thermally Rearranged Polymer Nanocomposite Membrane for Hydrogen Separation. <i>Angewandte Chemie</i> , 2018 , 130, 16288-16293	3.6	24
150	Effect of cationic polyacrylamides on the interactions between cellulose fibers. <i>Langmuir</i> , 2012 , 28, 3641-3649	4.9	23
149	Free volume and water uptake in a copolymer hydrogel series. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998 , 36, 463-471	2.6	23
148	Deformation mechanics of non-planar topologically interlocked assemblies with structural hierarchy and varying geometry. <i>Scientific Reports</i> , 2017 , 7, 11844	4.9	22
147	The Effect of Shear Deformation on Nylon-6 and Two Types of Nylon-6/Clay Nanocomposite. <i>Macromolecules</i> , 2008 , 41, 409-420	5.5	22

146	Correlation between molecular structure, free volume, and physical properties of a wide range of main chain thermotropic liquid crystalline polymers. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 2252-2287	2.9	22
145	The effect of the nanotube oxidation on the rheological and electrical properties of CNT/HDPE nanocomposites. <i>Polymer Engineering and Science</i> , 2017 , 57, 665-673	2.3	21
144	Controlling the transparency and rheology of nanocellulose gels with the extent of carboxylation. <i>Carbohydrate Polymers</i> , 2020 , 245, 116566	10.3	21
143	Nitrile Oxide-Norbornene Cycloaddition as a Bioorthogonal Crosslinking Reaction for the Preparation of Hydrogels. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1729-34	4.8	21
142	Development of bio-acrylic polymers from Cyrene—transforming a green solvent to a green polymer. <i>Polymer Chemistry</i> , 2019 , 10, 3334-3341	4.9	20
141	Rheokinetics of graft copolymerization of acrylamide in concentrated starch and rheological behaviors and microstructures of reaction products. <i>Carbohydrate Polymers</i> , 2018 , 192, 1-9	10.3	20
140	Effect of compositional gradient on thermal behavior of synthetic graphite—phenolic nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 109, 1169-1176	4.1	20
139	Investigation of thermal and fire performance of novel hybrid geopolymers. <i>Journal of Materials Science</i> , 2004 , 39, 4721-4726	4.3	20
138	Synthesis, thermal behavior, and cone calorimetry of organophosphorus epoxy materials. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 3696-3707	2.9	20
137	Selective Permeation of Water through Angstrom-Channel Graphene Membranes for Bioethanol Concentration. <i>Advanced Materials</i> , 2020 , 32, e2002320	24	19
136	Chemistries and capabilities of photo-formable and photoreversible crosslinked polymer networks. <i>Materials Horizons</i> , 2019 , 6, 1762-1773	14.4	18
135	Biodegradability of Poly-3-hydroxybutyrate/Bacterial Cellulose Composites under Aerobic Conditions, Measured via Evolution of Carbon Dioxide and Spectroscopic and Diffraction Methods. <i>Environmental Science & Technology</i> , 2015 , 49, 9979-86	10.3	18
134	Synthesis of Bioacrylic Polymers from Dihydro-5-hydroxyl furan-2-one (2H-HBO) by Free and Controlled Radical Polymerization. <i>ACS Omega</i> , 2018 , 3, 2040-2048	3.9	18
133	Design of responsive materials using topologically interlocked elements. <i>Smart Materials and Structures</i> , 2015 , 24, 025034	3.4	18
132	Polyhedral oligomeric silsesquioxane-bound iminofullerene. <i>Applied Organometallic Chemistry</i> , 2010 , 24, 184-188	3.1	18
131	Properties of a semi-crystalline and an amorphous thermotropic liquid crystalline polymer. <i>Polymer International</i> , 1992 , 27, 165-175	3.3	18
130	Improvement of the Swelling Properties of Ionic Hydrogels by the Incorporation of Hydrophobic, Elastic Microfibers for Forward Osmosis Applications. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 505-512	3.9	17
129	Microfiber-polymer hydrogel monolith as forward osmosis draw agent. <i>Journal of Membrane Science</i> , 2016 , 510, 426-436	9.6	17

128	A novel carbon nanofibre/phenolic nanocomposite coated polymer system for tailoring thermal behaviour. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 46, 80-88	8.4	17
127	Synthesis of POSS/polyurethane hybrids using octakis(m-isoprenyl- β -dimethylbenzylisocyanato dimethylsiloxy) octasilsesquioxane (Q8M8TMI) as a crosslinking agent. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 5038-5045	2.5	17
126	Peel-strength behavior of bilayer thermal-sprayed polymer coatings. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 214-226	2.9	17
125	Cyclodextrin metal-organic framework-polymer composite membranes towards ultimate and stable enantioselectivity. <i>Journal of Membrane Science</i> , 2021 , 620, 118956	9.6	17
124	How rheological behaviors of concentrated starch affect graft copolymerization of acrylamide and resultant hydrogel. <i>Carbohydrate Polymers</i> , 2019 , 219, 395-404	10.3	16
123	Effect of alkanol surface grafting on the hydrophobicity of starch-based films. <i>International Journal of Biological Macromolecules</i> , 2018 , 112, 761-766	7.9	16
122	Effect of plasticizers on microstructure, compatibility and mechanical property of hydroxypropyl methylcellulose/hydroxypropyl starch blends. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 141-148	7.9	16
121	Effects of thermal treatment on the microstructure and thermal and mechanical properties of poly(lactic acid) fibers. <i>Polymer Engineering and Science</i> , 2013 , 53, 976-981	2.3	16
120	Morphology of blends containing high concentrations of POSS nanoparticles in different polymer matrices. <i>Polymer Engineering and Science</i> , 2010 , 50, 991-999	2.3	16
119	Effect of crosslinking density on the physical properties of interpenetrating polymer networks of polyurethane and 2-hydroxyethyl methacrylate-terminated polyurethane. <i>Journal of Polymer Research</i> , 1998 , 5, 153-162	2.7	16
118	Aligned silane-treated MWCNT/liquid crystal polymer films. <i>Nanotechnology</i> , 2008 , 19, 175602	3.4	16
117	Mechanical and erosion properties of CaCO ₃ -EMAA thermal sprayed coatings. <i>Polymer Engineering and Science</i> , 2004 , 44, 1448-1459	2.3	16
116	Towards a better understanding of the cathodic disbondment performance of polyethylene coatings on steel. <i>Advances in Polymer Technology</i> , 2002 , 21, 44-58	1.9	16
115	Development and characterization of a fire retardant epoxy resin using an organo-phosphorus compound. <i>Journal of Materials Science Letters</i> , 2003 , 22, 455-458		16
114	On the analysis of positron annihilation lifetime spectroscopy data in semicrystalline miscible polymer blend systems. <i>Journal of Applied Polymer Science</i> , 1994 , 52, 1191-1202	2.9	16
113	Electrochemically-derived graphene oxide membranes with high stability and superior ionic sieving. <i>Chemical Communications</i> , 2019 , 55, 4075-4078	5.8	15
112	Photocuring of 4-arm coumarin-functionalised monomers to form highly photoreversible crosslinked epoxy coatings. <i>Polymer Chemistry</i> , 2019 , 10, 2134-2142	4.9	15
111	Aqueous hydrogen peroxide-induced degradation of polyolefins: A greener process for controlled-rheology polypropylene. <i>Polymer Degradation and Stability</i> , 2015 , 117, 97-108	4.7	15

110	Dispersion, migration, and network-like structure formation of multiwall carbon nanotubes in co-continuous, binary immiscible blends of polyamide 6 and acrylonitrile-butadiene-styrene copolymer during simultaneous melt-mixing. <i>Polymer Engineering and Science</i> , 2015 , 55, 443-456	2.3	15
109	Synthesis and characterization of a range of POSS imides. <i>Dyes and Pigments</i> , 2012 , 92, 659-667	4.6	15
108	The effect of incorporation of POSS units on polymer blend compatibility. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 1153-1159	2.9	15
107	Phase separation, physical properties and melt rheology of a range of variously transesterified amorphous poly(ethylene terephthalate)/poly(ethylene naphthalate) blends. <i>Journal of Applied Polymer Science</i> , 2002 , 83, 1556-1567	2.9	15
106	Carbon Nanotube Networks as Nanoscaffolds for Fabricating Ultrathin Carbon Molecular Sieve Membranes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20182-20188	9.5	15
105	Effect of processing conditions on microstructures and properties of hydroxypropyl methylcellulose/hydroxypropyl starch blends. <i>Food Hydrocolloids</i> , 2017 , 70, 251-259	10.6	14
104	Transition and stability of copolymer adsorption morphologies on the surface of carbon nanotubes and implications on their dispersion. <i>Langmuir</i> , 2014 , 30, 10035-42	4	14
103	Effect of cationic polyacrylamide dissolution on the adsorption state of gold nanoparticles on paper and their Surface Enhanced Raman Scattering properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 420, 46-52	5.1	14
102	Nucleation of isotactic polypropylene with metal monoglycerolates. <i>Polymer</i> , 2015 , 59, 110-116	3.9	14
101	Harvesting fibrils from bacterial cellulose pellicles and subsequent formation of biodegradable poly-3-hydroxybutyrate nanocomposites. <i>Cellulose</i> , 2014 , 21, 4299-4308	5.5	14
100	A study of the use of high functionality-based resin for bonding between CFRP and concrete under harsh environmental conditions. <i>Composite Structures</i> , 2013 , 95, 295-306	5.3	14
99	Non-Ionic, Poly(ethylene oxide)-Based Surfactants as Intercalants/Dispersants/Exfoliants for Poly(propylene)-Clay Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2006 , 291, 37-52	3.9	14
98	Fabrication of phosphorus-clay polymer nanocomposites for fire performance. <i>Journal of Materials Science Letters</i> , 2003 , 22, 1471-1475		14
97	Relationship between morphologies and mechanical properties of hydroxypropyl methylcellulose/hydroxypropyl starch blends. <i>Carbohydrate Polymers</i> , 2016 , 153, 329-335	10.3	14
96	Melt-mixed composites of multi-walled carbon nanotubes and thermotropic liquid crystalline polymer: Morphology, rheology and mechanical properties. <i>Composites Science and Technology</i> , 2017 , 151, 184-192	8.6	13
95	Low temperature crystallization behavior of TiO ₂ derived from a sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 42, 107-117	2.3	13
94	The hydration of paper studied with solid-state magnetisation-exchange 1H NMR spectroscopy. <i>Holzforschung</i> , 2006 , 60, 409-416	2	13
93	Compatibilized linear low-density polyethylene/isotactic polypropylene blends studied by positron annihilation lifetime spectroscopy. <i>Polymer Engineering and Science</i> , 1995 , 35, 28-33	2.3	13

92	Intrinsically Stretchable Fuel Cell Based on Enokitake-Like Standing Gold Nanowires. <i>Advanced Energy Materials</i> , 2020 , 10, 1903512	21.8	13
91	A Review on Emerging Barrier Materials and Encapsulation Strategies for Flexible Perovskite and Organic Photovoltaics. <i>Advanced Energy Materials</i> , 2021 , 11, 2101383	21.8	13
90	The simultaneous addition of styrene maleic anhydride copolymer and multiwall carbon nanotubes during melt-mixing on the morphology of binary blends of polyamide6 and acrylonitrile butadiene styrene copolymer. <i>Polymer Engineering and Science</i> , 2015 , 55, 457-465	2.3	12
89	Polymer brushes on multiwalled carbon nanotubes by activators regenerated by electron transfer for atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 4283-4291	2.5	12
88	Electropolymerization of Polypyrrole/Carbon Nanotube Nanocomposite Films over an Electrically Nonconductive Membrane. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13962-13966	3.8	12
87	Small angle scattering in the Porod region from hydrated paper sheets at varying humidities. <i>Holzforschung</i> , 2004 , 58, 473-479	2	12
86	Improvement and tuning of the performance of light-healable polymers by variation of the monomer content. <i>Polymer Chemistry</i> , 2018 , 9, 5585-5593	4.9	12
85	Development of microstructure and evolution of rheological characteristics of a highly concentrated emulsion during emulsification. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 532, 342-350	5.1	11
84	Fast-responsive monolithic hydrogels as draw agent for forward osmosis membrane process. <i>Separation Science and Technology</i> , 2017 , 52, 2583-2590	2.5	11
83	Evolution of phase morphology and network-like structure of multiwall carbon nanotubes in binary polymer blends during melt-mixing. <i>Polymer Engineering and Science</i> , 2015 , 55, 429-442	2.3	11
82	Fusion of carbon nanotubes for fabrication of field emission cathodes. <i>Carbon</i> , 2012 , 50, 356-361	10.4	11
81	Enhancement of field emission of carbon nanotubes using a simple microwave plasma method. <i>Carbon</i> , 2011 , 49, 484-486	10.4	11
80	Effect of different microwave-based treatments on multi-walled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 393-403	2.3	10
79	Free volume studies in miscible polymer blend systems. <i>Macromolecular Symposia</i> , 1997 , 118, 383-388	0.8	10
78	Physical and relaxation properties of flame-sprayed ethylene-methacrylic acid copolymer. <i>Polymer Engineering and Science</i> , 1998 , 38, 1873-1881	2.3	10
77	Investigation of the reaction mechanism of different epoxy resins using a phosphorus-based hardener. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 3288-3299	2.9	10
76	Binary and ternary blends of recycled high-density polyethylene containing polypropylenes. <i>Polymer Engineering and Science</i> , 2003 , 43, 431-443	2.3	10
75	Thermal behavior of core-shell rubber/styrene monomer gels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 3136-3150	2.6	10

74	Molecular dynamics in a miscible polyester blend. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996 , 34, 2419-2431	2.6	10
73	Design and fabrication of transdermal drug delivery patch with milliprojections using material extrusion 3D printing. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48777	2.9	10
72	Effect of Organic Modification on Multiwalled Carbon Nanotube Dispersions in Highly Concentrated Emulsions. <i>ACS Omega</i> , 2019 , 4, 6647-6659	3.9	9
71	Microporous polymer incorporated polyamide membrane for reverse osmosis desalination. <i>Journal of Membrane Science</i> , 2020 , 610, 118299	9.6	9
70	Evolution of directly-spinnable carbon nanotube catalyst structure by recycling analysis. <i>Carbon</i> , 2013 , 62, 204-212	10.4	9
69	Spray-dried microspheres as a route to clay/polymer nanocomposites. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 1550-1556	2.9	9
68	Crystallization and compatibilization of polypropylene/liquid crystalline polyester blends. <i>Journal of Applied Polymer Science</i> , 2000 , 77, 2229-2236	2.9	9
67	Melt Intercalation of PMMA into Organically-Modified Layered Silicate. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 576, 137		9
66	The effect of compatibilization on the behavior of a polycarbonate/polymer liquid crystal blend. <i>Polymer Engineering and Science</i> , 1996 , 36, 1038-1046	2.3	9
65	Grafting Nature-Inspired and Bio-Based Phenolic Esters onto Cellulose Nanocrystals Gives Biomaterials with Photostable Anti-UV Properties. <i>ChemSusChem</i> , 2020 , 13, 6552-6561	8.3	9
64	Investigation of thermo-mechanical properties of adhesive used for bonding CF fabrics to concrete members using post-curing techniques. <i>Composites Part B: Engineering</i> , 2012 , 43, 2950-2959	10	8
63	The Dependence of Benzo-15-Crown-5 Ether-Containing Oligo Paraphenylene Vinylene (CE-OPV) Emission Upon Complexation with Metal Ions in Solution. <i>Journal of Fluorescence</i> , 2003 , 13, 427-436	2.4	8
62	Blends of maleic-anhydride-grafted polyethylene with polyethylene for improved cathodic disbondment performance. <i>Polymer International</i> , 2001 , 50, 1115-1123	3.3	8
61	Chemical structure of composites derived from poly(silicic acid) and 2-hydroxyethylmethacrylate. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 1342-1352	2.5	8
60	Development of a Paper-Based Microfluidic System for a Continuous High-Flow-Rate Fluid Manipulation. <i>Analytical Chemistry</i> , 2020 , 92, 7307-7316	7.8	8
59	Novel In-situ Precipitation Process to Engineer Low Permeability Porous Composite. <i>Scientific Reports</i> , 2018 , 8, 10747	4.9	7
58	Formation of polyelectrolyte-gold nanoparticle necklaces on paper. <i>Journal of Colloid and Interface Science</i> , 2013 , 405, 71-7	9.3	7
57	Electrocatalysts: Nitrogen-Doped Nanoporous Carbon/Graphene Nano-Sandwiches: Synthesis and Application for Efficient Oxygen Reduction (Adv. Funct. Mater. 36/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 5876-5876	15.6	7

56	Phenolic Ester-Decorated Cellulose Nanocrystals as UV-Absorbing Nanoreinforcements in Polyvinyl Alcohol Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6427-6437	8.3	7
55	Modulating transparency and colour of cellulose nanocrystal composite films by varying polymer molecular weight. <i>Journal of Colloid and Interface Science</i> , 2021 , 584, 216-224	9.3	7
54	A thermally reduced graphene oxide membrane interlayered with an in situ synthesized nanospacer for water desalination. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25951-25958	13	6
53	Thermal properties and miscibility of semi-crystalline and amorphous PLA blends. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	6
52	The use of plasma treatment for simultaneous carbonization and reduction of iron oxide/polypyrrole core/shell nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	6
51	A study of the practicality and performance of CFRP applications using post-curing at moderately elevated temperatures. <i>Composites Part B: Engineering</i> , 2013 , 48, 140-157	10	6
50	Functionally graded carbon nanofiber-phenolic nanocomposites for sudden temperature change applications. <i>Polymer</i> , 2013 , 54, 3940-3948	3.9	6
49	Thermal and Mechanical Characterizations of Nanomaterial-Modified Adhesive Used in Bonding CFRP to Concrete 2011 , 87, 842-857		6
48	Light-Switchable Self-Healing Dynamic Linear Polymers: Reversible Cycloaddition Reactions of Thymine-Containing Units. <i>ChemPlusChem</i> , 2019 , 84, 333-337	2.8	6
47	High performance bulk metallic glass/carbon nanotube composite cathodes for electron field emission. <i>Applied Physics Letters</i> , 2011 , 99, 194104	3.4	5
46	Molecular mobility of substituted poly(p-phenylenes) characterized by a range of polymer relaxation techniques. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998 , 36, 1465-1481	2.6	5
45	Rheology of polybenzyl ether dendrimers their copolymer and blends. <i>Materials Research Innovations</i> , 2002 , 6, 160-166	1.9	5
44	Fouling and cleaning of polymer-entwined graphene oxide nanocomposite membrane for forward osmosis process. <i>Separation Science and Technology</i> , 2019 , 54, 1376-1386	2.5	5
43	Highly efficient low voltage electron emission from directly spinnable carbon nanotube webs. <i>Carbon</i> , 2013 , 57, 169-173	10.4	4
42	Interfacial Adhesion in Natural Fiber-Reinforced Polymer Composites 2014 , 17-39		4
41	Epoxy and hyperbranched polymer blends: Morphology and free volume. <i>Journal of Applied Polymer Science</i> , 2010 , 117, NA-NA	2.9	4
40	Examination of dimethacrylate inhomogeneity by solvent swelling techniques. <i>Polymer Engineering and Science</i> , 1991 , 31, 1483-1492	2.3	4
39	The Kinetics of Alignment of a Liquid Crystal Polymer in a D.C. Electric Field. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990 , 193, 155-159		4

38	Atomistic insights into the adsorption and stimuli-responsive behavior of poly(N-isopropylacrylamide)-graphene hybrid systems. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 28592-28599	3.6	4
37	Effect of Incorporation of Multiwalled Carbon Nanotubes on the Microstructure and Flow Behavior of Highly Concentrated Emulsions. <i>ACS Omega</i> , 2018 , 3, 13584-13597	3.9	4
36	Ion-Transport Experiments to Probe the Nanostructure of Graphene/Polymer Membranes. <i>Small Methods</i> , 2018 , 2, 1800187	12.8	3
35	Bacterial Cellulose and its Use in Renewable Composites 2014 , 89-130		3
34	Optical Characterisation of Non-Covalent Interactions between Non-Conjugated Polymers and Chemically Converted Graphene. <i>Australian Journal of Chemistry</i> , 2014 , 67, 168	1.2	3
33	Improved cathodic disbondment performance of polyethylene blends. <i>Polymer Engineering and Science</i> , 2002 , 42, 781-789	2.3	3
32	Dielectric Spectroscopy of a Side Chain Liquid Crystal Polymer. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990 , 193, 149-153		3
31	A 3D-Printed Polymer-Lipid-Hybrid Tablet towards the Development of Bespoke SMEDDS Formulations.. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
30	Evaluation on Effect of Surface Modification on the Adhesion Between Wood and Poly(Lactic Acid). <i>Journal of Biobased Materials and Bioenergy</i> , 2012 , 6, 388-398	1.4	3
29	Biodegradable composites of poly(butylene succinate-co-butylene adipate) reinforced by poly(lactic acid) fibers. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	3
28	Influence of the nanotube oxidation on the rheological and electrical properties of CNT/HDPE composites 2016 ,		3
27	Diethyl sinapate-grafted cellulose nanocrystals as nature-inspired UV filters in cosmetic formulations. <i>Materials Today Bio</i> , 2021 , 12, 100126	9.9	3
26	Robust Hilly Polyamide Membrane for Fast Desalination. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 1070-1077	4.7	3
25	Dielectric Relaxations in a Hyperbranched Polyester with Terminal Hydroxyl Groups: Effects of Generation Number 2001 , 202, 3008		3
24	Morphology and Electrical Conductivity of Ternary Polymer Blends Involving Liquid Crystalline Polymer Containing Carbon Nanotubes. <i>ChemistrySelect</i> , 2017 , 2, 4349-4359	1.8	2
23	Moisture-activated dynamics on crystallite surfaces in cellulose. <i>Colloid and Polymer Science</i> , 2019 , 297, 521-527	2.4	2
22	Architected Polymeric Materials Produced by Additive Manufacturing. <i>Springer Series in Materials Science</i> , 2019 , 257-285	0.9	2
21	Biodegradation of 3D-printed polylactic acid milliprojections under physiological conditions. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49129	2.9	2

20	Understanding parameters affecting field emission properties of directly spinnable carbon nanotube webs. <i>Carbon</i> , 2013 , 57, 388-394	10.4	2
19	Preparation of carbon nanoparticles and nanofibers by a simple microwave based method and studying the field emission properties. <i>Materials Chemistry and Physics</i> , 2011 , 127, 156-161	4.4	2
18	Microwave-based treatments for multi-walled carbon nanotubes. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, 2170-2173		2
17	Composite optical fibre lab waveguides: a scalar, coupled-mode analysis with vector corrections. <i>Optical and Quantum Electronics</i> , 1997 , 29, 671-682	2.4	2
16	Blends of poly(p-oxybenzoate-co-p-phenylene isophthalate) and polycarbonate: Miscibility and free volume behaviors. <i>Journal of Polymer Research</i> , 1999 , 6, 211-218	2.7	2
15	ASSURED-compliant point-of-care diagnostics for the detection of human viral infections. <i>Reviews in Medical Virology</i> , e2263	11.7	2
14	Thermoplastic toughening of epoxy resins: a critical review 1998 , 9, 3		2
13	Dielectric Relaxations in a Hyperbranched Polyester with Terminal Hydroxyl Groups: Effects of Generation Number 2001 , 202, 3008		2
12	Polymer Hydrogels as Smart Draw Agents in Forward Osmosis Processes 2015 , 129-149		1
11	Water Desalination: Thermoresponsive Amphoteric Metal-Organic Frameworks for Efficient and Reversible Adsorption of Multiple Salts from Water (Adv. Mater. 34/2018). <i>Advanced Materials</i> , 2018 , 30, 1870256	24	1
10	Effect of diblock copolymer surfactant on the microstructure and EM properties of CNT nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 35-42	2.9	1
9	Detecting subtle yet fast skeletal muscle contractions with ultrasoft and durable graphene-based cellular materials.. <i>National Science Review</i> , 2022 , 9, nwab184	10.8	1
8	Sustainable Light-stimulated Synthesis of Cross-linked Polymer Microparticles. <i>Macromolecular Chemistry and Physics</i> , 2100493	2.6	1
7	Modulating the chiral nanoarchitecture of cellulose nanocrystals through interaction with salts and polymer.. <i>Journal of Colloid and Interface Science</i> , 2021 , 613, 207-217	9.3	0
6	Grafting Nature-Inspired and Bio-Based Phenolic Esters onto Cellulose Nanocrystals Gives Biomaterials with Photostable Anti-UV Properties. <i>ChemSusChem</i> , 2020 , 13, 6460	8.3	
5	NANOSTRUCTURED TiO ₂ FILMS IN DYE-SENSITIZED SOLAR CELLS. <i>International Journal of Nanoscience</i> , 2005 , 04, 785-793	0.6	
4	Electro-optic studies on novel chiral liquid crystalline polysiloxanes with the N* phase. <i>Polymer Bulletin</i> , 1999 , 42, 603-609	2.4	
3	Organic and polymer planar optical waveguides. <i>Polymer International</i> , 1992 , 28, 41-45	3.3	

- 2 Chapter 13:Thermo-responsive Membranes with Switchable Superhydrophilicity and Superhydrophobicity for Oil/Water Separation. *RSC Smart Materials*, **2019**, 362-388 0.6
- 1 Effect of Vapour-Grown Carbon Nanofibres on Thermo-Mechanical Properties of High-Functionality Based Resin Used in CFRP Strengthening System Subjected Severe Service Conditions. *Advanced Structured Materials*, **2020**, 117-131 0.6