

George P. Simon

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1836173/george-p-simon-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	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
270	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
269	A 3D-Printed Polymer-Lipid-Hybrid Tablet towards the Development of Bespoke SMEDDS Formulations.. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
268	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
267	Cyclodextrin metal-organic framework-polymer composite membranes towards ultimate and stable enantioselectivity. <i>Journal of Membrane Science</i> , 2021 , 620, 118956	9.6	17
266	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
265	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
264	Diethyl sinapate-grafted cellulose nanocrystals as nature-inspired UV filters in cosmetic formulations. <i>Materials Today Bio</i> , 2021 , 12, 100126	9.9	3
263	Robust Hilly Polyamide Membrane for Fast Desalination. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 1070-1073	10.7	3
262	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	
261	A thermally reduced graphene oxide membrane interlayered with an in situ synthesized nanopacer for water desalination. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25951-25958	13	6
260	Microporous polymer incorporated polyamide membrane for reverse osmosis desalination. <i>Journal of Membrane Science</i> , 2020 , 610, 118299	9.6	9
259	Controlling the transparency and rheology of nanocellulose gels with the extent of carboxylation. <i>Carbohydrate Polymers</i> , 2020 , 245, 116566	10.3	21
258	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
257	Selective Permeation of Water through Angstrom-Channel Graphene Membranes for Bioethanol Concentration. <i>Advanced Materials</i> , 2020 , 32, e2002320	24	19
256	Biodegradation of 3D-printed polylactic acid milliprojections under physiological conditions. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49129	2.9	2
255	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

254	Effect of Vapour-Grown Carbon Nanofibres on Thermo-Mechanical Properties of High-Functionality Based Resin Used in CFRP Strengthening System Subjected Severe Service Conditions. <i>Advanced Structured Materials</i> , 2020 , 117-131	0.6	
253	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
252	Intrinsically Stretchable Fuel Cell Based on Enokitake-Like Standing Gold Nanowires. <i>Advanced Energy Materials</i> , 2020 , 10, 1903512	21.8	13
251	A sunlight-responsive metal-organic framework system for sustainable water desalination. <i>Nature Sustainability</i> , 2020 , 3, 1052-1058	22.1	53
250	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
249	Polycrystalline Advanced Microporous Framework Membranes for Efficient Separation of Small Molecules and Ions. <i>Advanced Materials</i> , 2020 , 32, e1902009	24	70
248	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
247	One-shot TEMPO-periodate oxidation of native cellulose. <i>Carbohydrate Polymers</i> , 2019 , 226, 115292	10.3	35
246	Voltage-Gated Ion Transport in Two-Dimensional Sub-1 nm Nanofluidic Channels. <i>ACS Nano</i> , 2019 , 13, 11793-11799	16.7	36
245	Moisture-activated dynamics on crystallite surfaces in cellulose. <i>Colloid and Polymer Science</i> , 2019 , 297, 521-527	2.4	2
244	Chemistries and capabilities of photo-formable and photoreversible crosslinked polymer networks. <i>Materials Horizons</i> , 2019 , 6, 1762-1773	14.4	18
243	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
242	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
241	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
240	Photoreversible Smart Polymers Based on 2+ 2 Cycloaddition Reactions: Nanofilms to Self-Healing Films. <i>Macromolecules</i> , 2019 , 52, 2446-2455	5.5	29
239	Electrochemically-derived graphene oxide membranes with high stability and superior ionic sieving. <i>Chemical Communications</i> , 2019 , 55, 4075-4078	5.8	15
238	Effect of Organic Modification on Multiwalled Carbon Nanotube Dispersions in Highly Concentrated Emulsions. <i>ACS Omega</i> , 2019 , 4, 6647-6659	3.9	9
237	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

236	Architected Polymeric Materials Produced by Additive Manufacturing. <i>Springer Series in Materials Science</i> , 2019 , 257-285	0.9	2
235	Enhancement of desalination performance of thin-film nanocomposite membrane by cellulose nanofibers. <i>Journal of Membrane Science</i> , 2019 , 592, 117363	9.6	50
234	Chapter 13:Thermo-responsive Membranes with Switchable Superhydrophilicity and Superhydrophobicity for Oil/Water Separation. <i>RSC Smart Materials</i> , 2019 , 362-388	0.6	
233	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
232	Light-Switchable Self-Healing Dynamic Linear Polymers: Reversible Cycloaddition Reactions of Thymine-Containing Units. <i>ChemPlusChem</i> , 2019 , 84, 333-337	2.8	6
231	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
230	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
229	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
228	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
227	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
226	Ion-Transport Experiments to Probe the Nanostructure of Graphene/Polymer Membranes. <i>Small Methods</i> , 2018 , 2, 1800187	12.8	3
225	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
224	Novel In-situ Precipitation Process to Engineer Low Permeability Porous Composite. <i>Scientific Reports</i> , 2018 , 8, 10747	4.9	7
223	Unconventional Janus Properties of Enokitake-like Gold Nanowire Films. <i>ACS Nano</i> , 2018 , 12, 8717-8722	16.7	43
222	Thermoresponsive Amphoteric Metal-Organic Frameworks for Efficient and Reversible Adsorption of Multiple Salts from Water. <i>Advanced Materials</i> , 2018 , 30, e1802767	24	28
221	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
220	Self-assembled gold nanorime mesh conductors for invisible stretchable supercapacitors. <i>Nanoscale</i> , 2018 , 10, 15948-15955	7.7	30
219	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

218	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
217	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
216	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
215	Functionalized Boron Nitride Nanosheets: A Thermally Rearranged Polymer Nanocomposite Membrane for Hydrogen Separation. <i>Angewandte Chemie</i> , 2018 , 130, 16288-16293	3.6	24
214	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
213	Vertical Gold Nanowires Stretchable Electrochemical Electrodes. <i>Analytical Chemistry</i> , 2018 , 90, 13498-13505	13.5	43
212	Standing Enokitake-like Nanowire Films for Highly Stretchable Elastronics. <i>ACS Nano</i> , 2018 , 12, 9742-9746	16.7	93
211	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
210	Non-swelling graphene oxide-polymer nanocomposite membrane for reverse osmosis desalination. <i>Journal of Membrane Science</i> , 2018 , 562, 47-55	9.6	42
209	Low-voltage electrostatic modulation of ion diffusion through layered graphene-based nanoporous membranes. <i>Nature Nanotechnology</i> , 2018 , 13, 685-690	28.7	134
208	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
207	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
206	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
205	Enhanced Thermal Conductivity of Copper Nanofluids: The Effect of Filler Geometry. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18925-18935	9.5	51
204	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
203	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
202	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
201	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

200	Light triggered self-healing of polyacrylate polymers crosslinked with 7-methacryloyoxycoumarin crosslinker. <i>Polymer Chemistry</i> , 2017 , 8, 5875-5883	4.9	27
199	Deformation mechanics of non-planar topologically interlocked assemblies with structural hierarchy and varying geometry. <i>Scientific Reports</i> , 2017 , 7, 11844	4.9	22
198	Copper Nanowire-Filled Soft Elastomer Composites for Applications as Thermal Interface Materials. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700387	4.6	44
197	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
196	Mechanically-Assisted Electrochemical Production of Graphene Oxide. <i>Chemistry of Materials</i> , 2016 , 28, 8429-8438	9.6	67
195	Enhanced Mechanical Performance of Bio-Inspired Hybrid Structures Utilising Topological Interlocking Geometry. <i>Scientific Reports</i> , 2016 , 6, 26706	4.9	48
194	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
193	Volume-invariant ionic liquid microbands as highly durable wearable biomedical sensors. <i>Materials Horizons</i> , 2016 , 3, 208-213	14.4	96
192	Microfiber-polymer hydrogel monolith as forward osmosis draw agent. <i>Journal of Membrane Science</i> , 2016 , 510, 426-436	9.6	17
191	Liquid-Wetting-Solid Strategy To Fabricate Stretchable Sensors for Human-Motion Detection. <i>ACS Sensors</i> , 2016 , 1, 303-311	9.2	52
190	Ion transport in complex layered graphene-based membranes with tuneable interlayer spacing. <i>Science Advances</i> , 2016 , 2, e1501272	14.3	167
189	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
188	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</i> , 2016 , 128, 1377-1381	13.6	55
187	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
186	Influence of the nanotube oxidation on the rheological and electrical properties of CNT/HDPE composites 2016 ,		3
185	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
184	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
183	Preparation and characterization of slow-release fertilizer encapsulated by starch-based superabsorbent polymer. <i>Carbohydrate Polymers</i> , 2016 , 147, 146-154	10.3	193

182	Relationship between morphologies and mechanical properties of hydroxypropyl methylcellulose/hydroxypropyl starch blends. <i>Carbohydrate Polymers</i> , 2016 , 153, 329-335	10.3	14
181	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
180	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
179	Polymer Hydrogels as Smart Draw Agents in Forward Osmosis Processes 2015 , 129-149		1
178	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
177	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
176	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
175	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
174	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
173	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
172	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
171	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
170	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
169	Rheological and gel properties of hydroxypropyl methylcellulose/hydroxypropyl starch blends. <i>Colloid and Polymer Science</i> , 2015 , 293, 229-237	2.4	26
168	Graphene-Directed Supramolecular Assembly of Multifunctional Polymer Hydrogel Membranes. <i>Advanced Functional Materials</i> , 2015 , 25, 126-133	15.6	62
167	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
166	Scalable production of graphene via wet chemistry: progress and challenges. <i>Materials Today</i> , 2015 , 18, 73-78	21.8	209
165	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

164	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
163	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
162	Photodegradable Gelatin-Based Hydrogels Prepared by Bioorthogonal Click Chemistry for Cell Encapsulation and Release. <i>Biomacromolecules</i> , 2015 , 16, 2246-53	6.9	73
161	Nucleation of isotactic polypropylene with metal monoglycerolates. <i>Polymer</i> , 2015 , 59, 110-116	3.9	14
160	Design of responsive materials using topologically interlocked elements. <i>Smart Materials and Structures</i> , 2015 , 24, 025034	3.4	18
159	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
158	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
157	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
156	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
155	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
154	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
153	Bacterial Cellulose and its Use in Renewable Composites 2014 , 89-130		3
152	Interfacial Adhesion in Natural Fiber-Reinforced Polymer Composites 2014 , 17-39		4
151	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
150	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
149	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
148	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
147	Highly efficient low voltage electron emission from directly spinnable carbon nanotube webs. <i>Carbon</i> , 2013 , 57, 169-173	10.4	4

146	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
145	Understanding parameters affecting field emission properties of directly spinnable carbon nanotube webs. <i>Carbon</i> , 2013 , 57, 388-394	10.4	2
144	Scission of electrospun polymer fibres by ultrasonication. <i>Polymer</i> , 2013 , 54, 4237-4252	3.9	42
143	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
142	Evolution of directly-spinnable carbon nanotube catalyst structure by recycling analysis. <i>Carbon</i> , 2013 , 62, 204-212	10.4	9
141	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
140	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
139	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
138	Formation of polyelectrolyte-gold nanoparticle necklaces on paper. <i>Journal of Colloid and Interface Science</i> , 2013 , 405, 71-7	9.3	7
137	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
136	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
135	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
134	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
133	Functionally graded carbon nanofiber-phenolic nanocomposites for sudden temperature change applications. <i>Polymer</i> , 2013 , 54, 3940-3948	3.9	6
132	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
131	Preparation and properties of composition-controlled carbon nanofiber/phenolic nanocomposites. <i>Composites Part B: Engineering</i> , 2013 , 52, 120-126	10	24
130	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
129	Investigation of the thermal self-healing mechanism in a cross-linked epoxy system. <i>RSC Advances</i> , 2013 , 3, 20699	3.7	37

128	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
127	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
126	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
125	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
124	Effect of cationic polyacrylamides on the interactions between cellulose fibers. <i>Langmuir</i> , 2012 , 28, 3641-9	4.9	23
123	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
122	Phase reduction of coated maghemite (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
121	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
120	Gold nanoparticle-paper as a three-dimensional surface enhanced Raman scattering substrate. <i>Langmuir</i> , 2012 , 28, 8782-90	4	190
119	Synthesis and characterization of a range of POSS imides. <i>Dyes and Pigments</i> , 2012 , 92, 659-667	4.6	15
118	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
117	Fusion of carbon nanotubes for fabrication of field emission cathodes. <i>Carbon</i> , 2012 , 50, 356-361	10.4	11
116	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
115	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
114	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
113	High performance bulk metallic glass/carbon nanotube composite cathodes for electron field emission. <i>Applied Physics Letters</i> , 2011 , 99, 194104	3.4	5
112	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
111	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

110	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
109	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
108	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
107	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
106	Interfacing colloidal graphene oxide sheets with gold nanoparticles. <i>Chemistry - A European Journal</i> , 2011 , 17, 5958-64	4.8	61
105	Paper surfaces functionalized by nanoparticles. <i>Advances in Colloid and Interface Science</i> , 2011 , 163, 23-34	3.3	141
104	Composite polymer hydrogels as draw agents in forward osmosis and solar dewatering. <i>Soft Matter</i> , 2011 , 7, 10048	3.6	120
103	Enhancement of field emission of carbon nanotubes using a simple microwave plasma method. <i>Carbon</i> , 2011 , 49, 484-486	10.4	11
102	Evolution of directly-spinnable carbon nanotube growth by recycling analysis. <i>Carbon</i> , 2011 , 49, 1989-1997	7.4	24
101	Field emission study of graphene nanowalls prepared by microwave-plasma method. <i>Carbon</i> , 2011 , 49, 2875-2877	10.4	39
100	Internal structures and phase-transitions of starch granules during gelatinization. <i>Carbohydrate Polymers</i> , 2011 , 83, 1975-1983	10.3	77
99	Thermal and Mechanical Characterizations of Nanomaterial-Modified Adhesive Used in Bonding CFRP to Concrete 2011 , 87, 842-857		6
98	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
97	Effects of hydrophilic fillers on the thermal degradation of poly(lactic acid). <i>Thermochimica Acta</i> , 2010 , 509, 147-151	2.9	59
96	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
95	Effect of different microwave-based treatments on multi-walled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 393-403	2.3	10
94	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
93	Polyhedral oligomeric silsesquioxane-bound iminofullerene. <i>Applied Organometallic Chemistry</i> , 2010 , 24, 184-188	3.1	18

92	Epoxy and hyperbranched polymer blends: Morphology and free volume. <i>Journal of Applied Polymer Science</i> , 2010 , 117, NA-NA	2.9	4
91	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
90	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
89	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
88	Preparation of graphene nanowalls by a simple microwave-based method. <i>Carbon</i> , 2010 , 48, 3993-4000	10.4	55
87	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
86	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
85	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
84	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
83	Starch gelatinization under pressure studied by high pressure DSC. <i>Carbohydrate Polymers</i> , 2009 , 75, 395-400	10.3	52
82	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
81	Synthesis of POSS/Methyl Methacrylate-Based Cross-Linked Hybrid Materials. <i>Macromolecules</i> , 2008 , 41, 1685-1692	5.5	77
80	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
79	Aligned silane-treated MWCNT/liquid crystal polymer films. <i>Nanotechnology</i> , 2008 , 19, 175602	3.4	16
78	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
77	Spray-dried microspheres as a route to clay/polymer nanocomposites. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 1550-1556	2.9	9
76	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
75	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

74	Rheological and Structure Investigation of Melt Mixed Multi-Walled Carbon Nanotube/PE Composites. <i>Macromolecular Symposia</i> , 2007 , 247, 78-87	0.8	31
73	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
72	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
71	The hydration of paper studied with solid-state magnetisation-exchange ¹ H NMR spectroscopy. <i>Holzforschung</i> , 2006 , 60, 409-416	2	13
70	Rheological and Viscoelastic Behavior of HDPE/Octamethyl-POSS Nanocomposites. <i>Macromolecules</i> , 2006 , 39, 1839-1849	5.5	223
69	Synthesis of New Polyaniline/Nanotube Composites Using Ultrasonically Initiated Emulsion Polymerization. <i>Chemistry of Materials</i> , 2006 , 18, 6258-6265	9.6	155
68	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
67	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
66	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
65	Synthesis and thermal behavior of inorganic/organic hybrid geopolymer composites. <i>Journal of Applied Polymer Science</i> , 2005 , 96, 112-121	2.9	42
64	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
63	NANOSTRUCTURED TiO ₂ FILMS IN DYE-SENSITIZED SOLAR CELLS. <i>International Journal of Nanoscience</i> , 2005 , 04, 785-793	0.6	
62	Small angle scattering in the Porod region from hydrated paper sheets at varying humidities. <i>Holzforschung</i> , 2004 , 58, 473-479	2	12
61	Investigation of thermal and fire performance of novel hybrid geopolymer composites. <i>Journal of Materials Science</i> , 2004 , 39, 4721-4726	4.3	20
60	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
59	Mechanical and erosion properties of CaCO ₃ -EMAA thermal sprayed coatings. <i>Polymer Engineering and Science</i> , 2004 , 44, 1448-1459	2.3	16
58	PALS free volume and mechanical properties in dimethacrylate-based thermosets. <i>Polymer International</i> , 2004 , 53, 557-568	3.3	25
57	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

56	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
55	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
54	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
53	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
52	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
51	Fabrication of phosphorus-clay polymer nanocomposites for fire performance. <i>Journal of Materials Science Letters</i> , 2003 , 22, 1471-1475		14
50	Studies on blends of epoxy-functionalized hyperbranched polymer and epoxy resin. <i>Journal of Materials Science</i> , 2003 , 38, 147-154	4.3	112
49	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
48	Peel-strength behavior of bilayer thermal-sprayed polymer coatings. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 214-226	2.9	17
47	Toughening of trifunctional epoxy using an epoxy-functionalized hyperbranched polymer. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 2339-2345	2.9	102
46	Synthesis, thermal behavior, and cone calorimetry of organophosphorus epoxy materials. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 3696-3707	2.9	20
45	Binary and ternary blends of recycled high-density polyethylene containing polypropylenes. <i>Polymer Engineering and Science</i> , 2003 , 43, 431-443	2.3	10
44	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
43	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
42	Rheology of polybenzyl ether dendrimers their copolymer and blends. <i>Materials Research Innovations</i> , 2002 , 6, 160-166	1.9	5
41	Improved cathodic disbondment performance of polyethylene blends. <i>Polymer Engineering and Science</i> , 2002 , 42, 781-789	2.3	3
40	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
39	Blends of maleic-anhydride-grafted polyethylene with polyethylene for improved cathodic disbondment performance. <i>Polymer International</i> , 2001 , 50, 1115-1123	3.3	8

38	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
37	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
36	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, 2252-2267	2.8	22
35	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
34	Dielectric Relaxations in a Hyperbranched Polyester with Terminal Hydroxyl Groups: Effects of Generation Number 2001 , 202, 3008		2
33	Dielectric Relaxations in a Hyperbranched Polyester with Terminal Hydroxyl Groups: Effects of Generation Number 2001 , 202, 3008		3
32	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
31	Crystallization and compatibilization of polypropylene-liquid crystalline polyester blends. <i>Journal of Applied Polymer Science</i> , 2000 , 77, 2229-2236	2.9	9
30	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
29	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
28	Melt Intercalation of PMMA into Organically-Modified Layered Silicate. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 576, 137		9
27	Electro-optic studies on novel chiral liquid crystalline polysiloxanes with the N* phase. <i>Polymer Bulletin</i> , 1999 , 42, 603-609	2.4	
26	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
25	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
24	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
23	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
22	Thermoplastic toughening of epoxy resins: a critical review. <i>Polymers for Advanced Technologies</i> , 1998 , 9, 3-10	3.2	287
21	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

20	Physical and relaxation properties of flame-sprayed ethylene-methacrylic acid copolymer. <i>Polymer Engineering and Science</i> , 1998 , 38, 1873-1881	2.3	10
19	Thermoplastic toughening of epoxy resins: a critical review 1998 , 9, 3		2
18	Free volume studies in miscible polymer blend systems. <i>Macromolecular Symposia</i> , 1997 , 118, 383-388	0.8	10
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	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
15	Curing kinetics and thermal properties of vinyl ester resins. <i>Journal of Applied Polymer Science</i> , 1997 , 64, 769-781	2.9	118
14	Molecular dynamics in a miscible polyester blend. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996 , 34, 2419-2431	2.6	10
13	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
12	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
11	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
10	A free volume study of miscible polyester blends. <i>Polymer International</i> , 1995 , 36, 127-136	3.3	35
9	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
8	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
7	Properties of a semi-crystalline and an amorphous thermotropic liquid crystalline polymer. <i>Polymer International</i> , 1992 , 27, 165-175	3.3	18
6	Organic and polymer planar optical waveguides. <i>Polymer International</i> , 1992 , 28, 41-45	3.3	
5	Examination of dimethacrylate inhomogeneity by solvent swelling techniques. <i>Polymer Engineering and Science</i> , 1991 , 31, 1483-1492	2.3	4
4	Dielectric Spectroscopy of a Side Chain Liquid Crystal Polymer. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990 , 193, 149-153		3
3	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

2	ASSURED-compliant point-of-care diagnostics for the detection of human viral infections. <i>Reviews in Medical Virology</i> ,e2263	11.7	2
1	Sustainable Light-stimulated Synthesis of Cross-linked Polymer Microparticles. <i>Macromolecular Chemistry and Physics</i> ,2100493	2.6	1