

# Hung-Jue Sue

## List of Publications by Citations

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245  
papers

9,183  
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54  
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247  
ext. papers

10,038  
ext. citations

5  
avg, IF

6.26  
L-index

#	Paper	IF	Citations
245	Antimicrobial efficacy of zinc oxide quantum dots against <i>Listeria monocytogenes</i> , <i>Salmonella</i> Enteritidis, and <i>Escherichia coli</i> O157:H7. <i>Journal of Food Science</i> , <b>2009</b> , 74, M46-52	3.4	346
244	Preparation of Zirconium phosphate nanoplatelets with wide variations in aspect ratios. <i>New Journal of Chemistry</i> , <b>2007</b> , 31, 39-43	3.6	242
243	Mechanical properties of surface-functionalized SWCNT/epoxy composites. <i>Carbon</i> , <b>2008</b> , 46, 320-328	10.4	215
242	Transport behavior of PMMA/expanded graphite nanocomposites. <i>Polymer</i> , <b>2002</b> , 43, 6767-6773	3.9	214
241	Epoxy Nanocomposites Based on the Synthetic Zirconium Phosphate Layer Structure. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 242-249	9.6	200
240	Effects of clay orientation and aspect ratio on mechanical behavior of nylon-6 nanocomposite. <i>Polymer</i> , <b>2005</b> , 46, 6325-6334	3.9	192
239	Toughening of Epoxies with Block Copolymer Micelles of Wormlike Morphology. <i>Macromolecules</i> , <b>2010</b> , 43, 7238-7243	5.5	186
238	Thermal degradation behavior of polyamide 6/clay nanocomposites. <i>Polymer Degradation and Stability</i> , <b>2003</b> , 81, 47-56	4.7	171
237	Nanocavitation in Self-Assembled Amphiphilic Block Copolymer-Modified Epoxy. <i>Macromolecules</i> , <b>2008</b> , 41, 7616-7624	5.5	167
236	Understanding of scratch-induced damage mechanisms in polymers. <i>Polymer</i> , <b>2009</b> , 50, 4056-4065	3.9	159
235	Block Copolymer Toughened Epoxy: Role of Cross-Link Density. <i>Macromolecules</i> , <b>2009</b> , 42, 2333-2335	5.5	140
234	Preparation of Exfoliated Epoxy/Zirconium Phosphate Nanocomposites Containing High Aspect Ratio Nanoplatelets. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 1749-1754	9.6	140
233	Barrier properties of model epoxy nanocomposites. <i>Journal of Membrane Science</i> , <b>2008</b> , 318, 129-136	9.6	126
232	Effect of Crystallinity on the Intercalation of Monoamine in Zirconium Phosphate Layer Structure. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 5606-5609	9.6	126
231	A new test methodology for evaluating scratch resistance of polymers. <i>Wear</i> , <b>2004</b> , 256, 1214-1227	3.5	126
230	Morphology and mechanical behavior of exfoliated epoxy/Zirconium phosphate nanocomposites. <i>Composites Science and Technology</i> , <b>2007</b> , 67, 262-269	8.6	109
229	Fracture behavior of Zirconium phosphate-based epoxy nanocomposites. <i>Acta Materialia</i> , <b>2004</b> , 52, 2239-2250	8.4	106

228	Craze-like damage in a core-shell rubber-modified epoxy system. <i>Journal of Materials Science</i> , <b>1992</b> , 27, 3098-3107	4.3	104
227	Effect of nanoplatelet aspect ratio on mechanical properties of epoxy nanocomposites. <i>Polymer</i> , <b>2007</b> , 48, 1075-1082	3.9	100
226	Influence of surface roughness and contact load on friction coefficient and scratch behavior of thermoplastic olefins. <i>Applied Surface Science</i> , <b>2008</b> , 254, 4494-4499	6.7	99
225	Preparation of epoxy nanocomposites containing well-dispersed graphene nanosheets. <i>Composites Science and Technology</i> , <b>2017</b> , 146, 161-168	8.6	95
224	Purification and stabilization of colloidal ZnO nanoparticles in methanol. <i>Journal of Sol-Gel Science and Technology</i> , <b>2007</b> , 43, 237-243	2.3	92
223	Surface Functionalized Polypropylene: Synthesis, Characterization, and Adhesion Properties. <i>Macromolecules</i> , <b>2001</b> , 34, 7672-7679	5.5	91
222	Effect of nanoplatelet dispersion on mechanical behavior of polymer nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 1459-1469	2.6	90
221	Study of rubber-modified brittle epoxy systems. Part II: Toughening mechanisms under mode-I fracture. <i>Polymer Engineering and Science</i> , <b>1991</b> , 31, 275-288	2.3	89
220	Optical Properties of ZnO Quantum Dots in Epoxy with Controlled Dispersion. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 16002-16010	3.8	88
219	Photoluminescence and micro-Raman scattering in ZnO nanoparticles: The influence of acetate adsorption. <i>Chemical Physics Letters</i> , <b>2005</b> , 411, 150-154	2.5	88
218	Scratch resistance of high performance polymers. <i>Tribology International</i> , <b>2011</b> , 44, 1032-1046	4.9	87
217	Transparent PMMA/ZnO nanocomposite films based on colloidal ZnO quantum dots. <i>Nanotechnology</i> , <b>2007</b> , 18, 215606	3.4	87
216	Effect of crosslink density on fracture behavior of model epoxies containing block copolymer nanoparticles. <i>Polymer</i> , <b>2009</b> , 50, 4683-4689	3.9	85
215	Large-scale self-assembled zirconium phosphate smectic layers via a simple spray-coating process. <i>Nature Communications</i> , <b>2014</b> , 5, 3589	17.4	81
214	Confined distribution of conductive particles in polyvinylidene fluoride-based multilayered dielectrics: Toward high permittivity and breakdown strength. <i>Carbon</i> , <b>2015</b> , 84, 355-364	10.4	78
213	Strain rate effect on toughening of nano-sized PEPBEO block copolymer modified epoxy. <i>Acta Materialia</i> , <b>2009</b> , 57, 2691-2701	8.4	77
212	Simple Approach for Preparation of Epoxy Hybrid Nanocomposites Based on Carbon Nanotubes and a Model Clay. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 3773-3778	9.6	75
211	Scratch damage of polymers in nanoscale. <i>Acta Materialia</i> , <b>2004</b> , 52, 431-443	8.4	72

210	Finite element method parametric study on scratch behavior of polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 1435-1447	2.6	70
209	Quantitative evaluation of scratch resistance of polymeric coatings based on a standardized progressive load scratch test. <i>Surface and Coatings Technology</i> , <b>2006</b> , 201, 2970-2976	4.4	70
208	Electrical conductivity and thermal stability of polypropylene containing well-dispersed multi-walled carbon nanotubes disentangled with exfoliated nanoplatelets. <i>Carbon</i> , <b>2012</b> , 50, 4711-4721 <sup>10.4</sup>		67
207	Effective Intercalation and Exfoliation of Nanoplatelets in Epoxy via Creation of Porous Pathways. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 10377-10381	3.8	64
206	Effect of Nanoplatelets on the Rheological Behavior of Epoxy Monomers. <i>Macromolecular Materials and Engineering</i> , <b>2009</b> , 294, 103-113	3.9	63
205	Morphology and toughening mechanisms in clay-modified styrene-butadiene-styrene rubber-toughened polypropylene. <i>Journal of Materials Science</i> , <b>2002</b> , 37, 2447-2459	4.3	63
204	Modeling of long-term creep behavior of structural epoxy adhesives. <i>International Journal of Adhesion and Adhesives</i> , <b>2005</b> , 25, 427-436	3.4	62
203	Highly effective anti-corrosion epoxy spray coatings containing self-assembled clay in smectic order. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2669-2676	13	59
202	Stable smectic phase in suspensions of polydisperse colloidal platelets with identical thickness. <i>Physical Review E</i> , <b>2009</b> , 80, 041704	2.4	59
201	Microdeformation and Fracture Mechanisms in Polyamide-6/Organoclay Nanocomposites. <i>Macromolecules</i> , <b>2008</b> , 41, 193-202	5.5	59
200	Effects of slip agent and talc surface-treatment on the scratch behavior of thermoplastic olefins. <i>Polymer Engineering and Science</i> , <b>2006</b> , 46, 601-608	2.3	59
199	Hygrothermal diffusion behavior in bismaleimide resin. <i>Polymer</i> , <b>2001</b> , 42, 7791-7799	3.9	59
198	Quantitative evaluation of scratch visibility resistance of polymers. <i>Applied Surface Science</i> , <b>2010</b> , 256, 6324-6329	6.7	57
197	The influence of surface properties on sliding contact temperature and friction for polyetheretherketone (PEEK). <i>Polymer</i> , <b>2016</b> , 103, 397-404	3.9	57
196	Molecular weight and uniformity define the mechanical performance of lignin-based carbon fiber. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12740-12746	13	56
195	Phase transformations of a liquid crystalline epoxy during curing. <i>Polymer</i> , <b>1994</b> , 35, 2679-2682	3.9	56
194	Crystallization behavior and morphological characterization of poly(ether ether ketone). <i>Polymer</i> , <b>2014</b> , 55, 5255-5265	3.9	55
193	Mode II fracture of composites interlayered with nylon particles. <i>Composites Science and Technology</i> , <b>1996</b> , 56, 1223-1240	8.6	55

192	Effects of molecular weight and thermal history on scratch behavior of polypropylene thin sheets. <i>Tribology International</i> , <b>2008</b> , 41, 425-433	4.9	54
191	Micromechanics modeling of moisture diffusion in woven composites. <i>Composites Science and Technology</i> , <b>2005</b> , 65, 817-826	8.6	54
190	Dynamic mechanical behavior of oriented semicrystalline polyethylene terephthalate. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2001</b> , 39, 1394-1403	2.6	54
189	Morphological Evolution of Poly(ethylene terephthalate) during Equal Channel Angular Extrusion Process. <i>Macromolecules</i> , <b>2000</b> , 33, 8746-8755	5.5	54
188	Delamination toughness of fiber-reinforced composites containing a carbon nanotube/polyamide-12 epoxy thin film interlayer. <i>Polymer</i> , <b>2012</b> , 53, 37-42	3.9	53
187	Control of Orientation of Lamellar Structure in Linear Low Density Polyethylene Via a Novel Equal Channel Angular Extrusion Process. <i>Journal of Materials Science Letters</i> , <b>1998</b> , 17, 853-856		53
186	Study of rubber-modified brittle epoxy systems. Part I: Fracture toughness measurements using the double-notch four-point-bend method. <i>Polymer Engineering and Science</i> , <b>1991</b> , 31, 270-274	2.3	53
185	Simple shear plastic deformation behavior of polycarbonate plate due to the equal channel angular extrusion process. I: Finite element methods modeling. <i>Polymer Engineering and Science</i> , <b>1999</b> , 39, 2505-2515	2.3	51
184	Tunable Lyotropic Photonic Liquid Crystal Based on Graphene Oxide. <i>ACS Photonics</i> , <b>2014</b> , 1, 79-86	6.3	50
183	Mechanical Modeling of Scratch Behavior of Polymeric Coatings on Hard and Soft Substrates. <i>Tribology Letters</i> , <b>2010</b> , 37, 159-167	2.8	48
182	Capture of phosphopeptides using alpha-zirconium phosphate nanoplatelets. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 5542-9	7.8	48
181	Influence of Trace Amount of Well-Dispersed Carbon Nanotubes on Structural Development and Tensile Properties of Polypropylene. <i>Macromolecules</i> , <b>2013</b> , 46, 463-473	5.5	46
180	Interlaminar fracture toughness of woven fabric composite laminates with carbon nanotube/epoxy interleaf films. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 2394-2405	2.9	46
179	Scratch behavior of epoxy nanocomposites containing zirconium phosphate and core-shell rubber particles. <i>Polymer Engineering and Science</i> , <b>2009</b> , 49, 483-490	2.3	45
178	The effect of guest molecular architecture and host crystallinity upon the mechanism of the intercalation reaction. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 333, 503-9	9.3	45
177	Mechanical behavior of polymethylmethacrylate with molecules oriented via simple shear. <i>Polymer Engineering and Science</i> , <b>2005</b> , 45, 314-324	2.3	45
176	On tearing of ductile polymer films using the essential work of fracture (EWF) method. <i>Acta Materialia</i> , <b>2003</b> , 51, 4929-4938	8.4	44
175	Effect of constitutive behavior on scratch visibility resistance of polymers: A finite element method parametric study. <i>Wear</i> , <b>2011</b> , 270, 751-759	3.5	43

174	Solid-state dye-sensitized solar cells based on ZnO nanoparticle and nanorod array hybrid photoanodes. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 517	5	41
173	Electrical conductivity and fracture behavior of epoxy/polyamide-12/multiwalled carbon nanotube composites. <i>Polymer Engineering and Science</i> , <b>2011</b> , 51, 2245-2253	2.3	41
172	Morphology and mechanical properties of blown films of a low-density polyethylene/linear low-density polyethylene blend. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2002</b> , 40, 507-518	2.6	41
171	Impact-toughening mechanisms of calcium carbonate-reinforced polypropylene nanocomposite. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 99, 3070-3076	2.9	39
170	Impact fracture behavior of molecularly orientated polycarbonate sheets. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 79, 2060-2066	2.9	39
169	Facile decoration of Au nanoparticles on reduced graphene oxide surfaces via a one-step chemical functionalization approach. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 10783	13	38
168	Effect of moisture exposure on scratch resistance of PMMA. <i>Tribology International</i> , <b>2014</b> , 69, 46-51	4.9	38
167	Polypropylene Nanocomposites Based on Designed Synthetic Nanoplatelets. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1154-1161	9.6	38
166	Tensile properties and electrical conductivity of epoxy composite thin films containing zinc oxide quantum dots and multi-walled carbon nanotubes. <i>Carbon</i> , <b>2017</b> , 115, 18-27	10.4	37
165	Tunable Thermochromism of Multifunctional Charge-Transfer-Based Supramolecular Materials Assembled in Water. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9937-9945	9.6	37
164	Fracture behaviour of nanoplatelet reinforced polymer nanocomposites. <i>Materials Science and Technology</i> , <b>2006</b> , 22, 829-834	1.5	37
163	Scratch behavior of model polyurethane elastomers containing different soft segment types. <i>Materials and Design</i> , <b>2017</b> , 132, 419-429	8.1	36
162	Raman microscopy of residual strains in carbon nanotube/epoxy composites. <i>Carbon</i> , <b>2010</b> , 48, 1750-1756	10.4	36
161	Epoxy Nanocomposites Containing Zeolitic Imidazolate Framework-8. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1250-1257	9.5	36
160	Electrically conductive superhydrophobic octadecylamine-functionalized multiwall carbon nanotube films. <i>Carbon</i> , <b>2013</b> , 53, 366-373	10.4	35
159	Lamellar Formation and Relaxation in Simple Sheared Poly(ethylene terephthalate) by Small-Angle X-ray Scattering. <i>Macromolecules</i> , <b>2006</b> , 39, 2930-2939	5.5	34
158	Scratch behavior of epoxy coating containing self-assembled zirconium phosphate smectic layers. <i>Polymer</i> , <b>2017</b> , 112, 252-263	3.9	33
157	Quantitative modeling of scratch-induced deformation in amorphous polymers. <i>Polymer</i> , <b>2014</b> , 55, 6152-6166	3.6	33

156	Solution Processable Iridescent Self-Assembled Nanoplatelets with Finely Tunable Interlayer Distances Using Charge- and Sterically Stabilizing Oligomeric Polyoxyalkyleneamine Surfactants. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 1528-1537	9.6	33
155	Effects of acrylonitrile content and molecular weight on the scratch behavior of styrene-acrylonitrile random copolymers. <i>Polymer Engineering and Science</i> , <b>2011</b> , 51, 2282-2294	2.3	33
154	ZnO and conjugated polymer bulk heterojunction solar cells containing ZnO nanorod photoanode. <i>Nanotechnology</i> , <b>2011</b> , 22, 285401	3.4	32
153	B-staged epoxy/single-walled carbon nanotube nanocomposite thin films for composite reinforcement. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 290-298	2.9	32
152	DETERMINATION OF CRYSTALLINE LAMELLAR THICKNESS IN POLY(ETHYLENE TEREPHTHALATE) USING SMALL-ANGLE X-RAY SCATTERING AND TRANSMISSION ELECTRON MICROSCOPY*. <i>Journal of Macromolecular Science - Physics</i> , <b>2001</b> , 40, 625-638	1.4	32
151	Morphology and mechanical property relationship in linear low-density polyethylene blown films. <i>Journal of Materials Science</i> , <b>2000</b> , 35, 5169-5178	4.3	32
150	Mechanical reinforcement of epoxy with self-assembled synthetic clay in smectic order. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 10188-95	9.5	31
149	1D copper nanowires for flexible printable electronics and high ampacity wires. <i>Nanoscale</i> , <b>2017</b> , 9, 13104-13111	11.4	31
148	A surfactant dispersed SWCNT-polystyrene composite characterized for electrical and mechanical properties. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2010</b> , 41, 842-849	8.4	31
147	High-temperature steam-treatment of PBI, PEEK, and PEKK polymers with H <sub>2</sub> O and D <sub>2</sub> O: A solid-state NMR study. <i>Polymer</i> , <b>2014</b> , 55, 4577-4585	3.9	30
146	Effect of high temperature annealing on scratch behavior of acrylonitrile styrene acrylate copolymers. <i>Polymer</i> , <b>2012</b> , 53, 604-612	3.9	30
145	Stabilization and control of phase morphology of PA/SAN blends via incorporation of exfoliated clay. <i>Polymer</i> , <b>2010</b> , 51, 4231-4237	3.9	30
144	Synthesis and Fabrication of Multifunctional Nanocomposites: Stable Dispersions of Nanoparticles Tethered with Short, Dense and Polydisperse Polymer Brushes in Poly(methyl methacrylate). <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3614-3624	15.6	29
143	Diffusing colloidal probes of protein and synthetic macromolecule interactions. <i>Biophysical Journal</i> , <b>2007</b> , 92, 1005-13	2.9	28
142	Morphological characterization of nylon-6 nanocomposite following a large-scale simple shear process. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2005</b> , 43, 3555-3566	2.6	28
141	High-performance proton exchange membranes for direct methanol fuel cells based on a SPEEK/polybenzoxazine crosslinked structure. <i>RSC Advances</i> , <b>2015</b> , 5, 47284-47293	3.7	27
140	Hindrance function for sedimentation and creaming of colloidal disks. <i>Physical Review E</i> , <b>2010</b> , 81, 026310	10.4	27
139	Tunable ultraviolet emission of ZnO quantum dots in transparent poly(methyl methacrylate). <i>Applied Physics Letters</i> , <b>2009</b> , 94, 253106	3.4	27

138	Fundamental understanding on scratch behavior of polymeric laminates. <i>Wear</i> , <b>2017</b> , 380-381, 203-216	3.5	26
137	Effect of color, gloss, and surface texture perception on scratch and mar visibility in polymers. <i>Materials and Design</i> , <b>2015</b> , 83, 528-535	8.1	26
136	Quantitative scratch visibility assessment of polymers based on Erichsen and ASTM/ISO scratch testing methodologies. <i>Polymer Testing</i> , <b>2011</b> , 30, 633-640	4.5	26
135	High-performance photocatalyst based on nanosized ZnO-reduced graphene oxide hybrid for removal of Rhodamine B under visible light irradiation. <i>AIMS Materials Science</i> , <b>2016</b> , 3, 1410-1425	1.9	26
134	Porous SnO-Cu O nanocomposite thin film on carbon nanotubes as electrodes for high performance supercapacitors. <i>Nanotechnology</i> , <b>2019</b> , 30, 015401	3.4	26
133	Partially cured epoxy/SWCNT thin films for the reinforcement of vacuum-assisted resin-transfer-molded composites. <i>Carbon</i> , <b>2010</b> , 48, 2364-2367	10.4	25
132	Micromechanical modeling of crack-tip rubber particle cavitation process in polymer toughening. <i>Polymer Engineering and Science</i> , <b>1996</b> , 36, 2320-2326	2.3	25
131	Scratch behavior of multilayer polymeric coating systems. <i>Materials and Design</i> , <b>2017</b> , 128, 143-149	8.1	24
130	Effect of Asymmetric Constitutive Behavior on Scratch-Induced Deformation of Polymers. <i>Tribology Letters</i> , <b>2012</b> , 47, 113-122	2.8	24
129	Rheological and thermal behaviors of commercial poly(aryletherketone)s. <i>Polymer Engineering and Science</i> , <b>2013</b> , 53, 651-661	2.3	24
128	Preparation of intercalating agent-free epoxy/clay nanocomposites. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 1708-1714	2.3	24
127	Modulation versus Templating: Fine-Tuning of Hierarchally Porous PCN-250 Using Fatty Acids To Engineer Guest Adsorption. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12425-12430	16.4	23
126	Contrast-based evaluation of mar resistance of thermoplastic olefins. <i>Tribology International</i> , <b>2011</b> , 44, 1024-1031	4.9	23
125	Scratch behavior of soft thermoplastic olefins: effects of ethylene content and testing rate. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 1357-1365	4.3	23
124	Structural Modifications to Polystyrene via Self-Assembling Molecules. <i>Advanced Functional Materials</i> , <b>2005</b> , 15, 487-493	15.6	23
123	Solution-Processable Core-Extended Quinacridone Derivatives with Intact Hydrogen Bonds. <i>Organic Letters</i> , <b>2015</b> , 17, 3146-9	6.2	22
122	Effect of oxygen-absorbing packaging on the shelf life of a liquid-based component of military operational rations. <i>Journal of Food Science</i> , <b>2009</b> , 74, E167-76	3.4	22
121	Moisture diffusion behavior in bismaleimide resin subjected to hygrothermal cycling. <i>Polymer Engineering and Science</i> , <b>2002</b> , 42, 375-381	2.3	22

120	The Effect of Surface Chemistry on the Glass Transition of Polycarbonate Inside Cylindrical Nanopores. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 151-154	6.6	21
119	Phosphate-enhanced cytotoxicity of zinc oxide nanoparticles and agglomerates. <i>Toxicology Letters</i> , <b>2014</b> , 225, 177-84	4.4	21
118	Single-walled carbon-nanotube dispersion with electrostatically tethered nanoplatelets. <i>Small</i> , <b>2009</b> , 5, 2692-7	11	21
117	Effect of annealing on the viscoelastic behavior of poly(ether-ether-ketone). <i>Polymer</i> , <b>2019</b> , 160, 231-237	3.9	21
116	Tuning of the Dispersion of Ligand-Free ZnO Quantum Dots in Polymer Matrices with Exfoliated Nanoplatelets. <i>Macromolecules</i> , <b>2009</b> , 42, 1665-1671	5.5	20
115	Bioinspired Polylactide Based on the Multilayer Assembly of Shish-Kebab Structure: A Strategy for Achieving Balanced Performances. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 3063-3073	8.3	18
114	Self-assembly of Au nanoparticles on graphene sheets as a catalyst with controlled grafting density and high reusability. <i>RSC Advances</i> , <b>2014</b> , 4, 61823-61830	3.7	18
113	Minimization of surface friction effect on scratch-induced deformation in polymers. <i>Polymer Engineering and Science</i> , <b>2013</b> , 53, 1405-1413	2.3	18
112	Determination of epoxy coating wet-adhesive strength using a standardized ASTM/ISO scratch test		18
	<b>2011</b> , 8, 255-263		
111	Characterization of Crystalline Texture of LLDPE Blown Films Using X-ray Pole Figures. <i>Macromolecules</i> , <b>2001</b> , 34, 2015-2017	5.5	18
110	Flame retardation behavior of polybenzoxazine/EzrP nanocomposites. <i>RSC Advances</i> , <b>2016</b> , 6, 73485-73495	3.7	17
109	Hygrothermal behavior of polybenzimidazole. <i>Polymer</i> , <b>2016</b> , 93, 88-98	3.9	17
108	Rheology of disentangled multiwalled carbon nanotubes dispersed in uncured epoxy fluid. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 362-71	3.4	17
107	Glass transition temperature changes of melt-blended polymer nanocomposites containing finely dispersed ZnO quantum dots. <i>Soft Matter</i> , <b>2010</b> , 6, 4482	3.6	17
106	Aqueous lubrication of poly(etheretherketone) via surface-initiated polymerization of electrolyte monomers. <i>Polymer</i> , <b>2017</b> , 116, 549-555	3.9	16
105	Rubber particle size and type effects on scratch behavior of styrenic-based copolymers. <i>Polymer</i> , <b>2015</b> , 63, 71-81	3.9	16
104	Refined fixture design for effective essential work of fracture toughness characterization of m-LLDPE thin films. <i>Polymer Testing</i> , <b>2013</b> , 32, 256-264	4.5	16
103	Effect of molecular weight on scratch and abrasive wear behaviors of thermoplastic polyurethane elastomers. <i>Polymer</i> , <b>2019</b> , 169, 124-130	3.9	15

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