

# Michael R Kessler

## List of Publications by Year in Descending Order

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

314  
papers

13,302  
citations

51  
h-index

111  
g-index

335  
ext. papers

14,715  
ext. citations

5.6  
avg, IF

6.88  
L-index

#	Paper	IF	Citations
314	Loss modulus measurement of a viscoelastic polymer at acoustic and ultrasonic frequencies using vibrothermography. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 168, 108311	4.6	2
313	Thermosetting polymers from renewable sources. <i>Polymer International</i> , <b>2021</b> , 70, 167-180	3.3	12
312	Preparation of Nanoscale Semi-IPNs with an Interconnected Microporous Structure via Cationic Polymerization of Bio-Based Tung Oil in a Homogeneous Solution of Poly( $\epsilon$ -caprolactone). <i>ACS Omega</i> , <b>2020</b> , 5, 9977-9984	3.9	6
311	Liquid crystalline networks based on photo-initiated thiol-ene click chemistry. <i>Soft Matter</i> , <b>2020</b> , 16, 1769-1770	3.7	7
310	Combined light- and heat-induced shape memory behavior of anthracene-based epoxy elastomers. <i>Scientific Reports</i> , <b>2020</b> , 10, 20214	4.9	4
309	Sustainable Polyurethane-Lignin Aqueous Dispersions and Thin Films: Rheological Behavior and Thermomechanical Properties. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 5198-5207	4.3	1
308	High-performance thermosets with tailored properties derived from methacrylated eugenol and epoxy-based vinyl ester. <i>Polymer International</i> , <b>2018</b> , 67, 544-549	3.3	17
307	Bio-based reactive diluents as sustainable replacements for styrene in MAESO resin.. <i>RSC Advances</i> , <b>2018</b> , 8, 13780-13788	3.7	24
306	Soybean-Oil-Based Thermosetting Resins with Methacrylated Vanillyl Alcohol as Bio-Based, Low-Viscosity Comonomer. <i>Macromolecular Materials and Engineering</i> , <b>2018</b> , 303, 1700278	3.9	22
305	Catalytic Conversion of Biomass-Derived 1,2-Propanediol to Propylene Oxide over Supported Solid-Base Catalysts. <i>ACS Omega</i> , <b>2018</b> , 3, 8718-8723	3.9	3
304	High Temperature Physical and Chemical Stability and Oxidation Reaction Kinetics of NiO Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 4018-4028	3.8	4
303	Synthesis, characterization, and functionalization of zirconium tungstate (ZrW <sub>2</sub> O <sub>8</sub> ) nano-rods for advanced polymer nanocomposites. <i>Polymers for Advanced Technologies</i> , <b>2017</b> , 28, 1375-1381	3.2	8
302	Manufacturing PDMS micro lens array using spin coating under a multiphase system. <i>Journal of Micromechanics and Microengineering</i> , <b>2017</b> , 27, 055012	2	4
301	Liquid crystalline epoxy networks with exchangeable disulfide bonds. <i>Soft Matter</i> , <b>2017</b> , 13, 5021-5027	3.6	34
300	Recent advances in vegetable oil-based polymers and their composites. <i>Progress in Polymer Science</i> , <b>2017</b> , 71, 91-143	29.6	363
299	Nanostructured Polymer Composites with Modified Carbon Nanotubes <b>2017</b> , 381-408		
298	Preparation, Characterization, and Applications of Nanomaterials (Cellulose, Lignin, and Silica) from Renewable (Lignocellulosic) Resources <b>2017</b> , 1-66		2

297	Natural Starches-Blended Ionotropically Gelled Microparticles/Beads for Sustained Drug Release <b>2017</b> , 527-559		7
296	Preparation and Characterization of Biobased Thermoset Polymers from Renewable Resources and Their Use in Composites <b>2017</b> , 425-457		1
295	Composites Based on Hydroxyapatite and Biodegradable Polylactide <b>2017</b> , 183-214		
294	Additive Manufacturing With Conductive, Viscoelastic Polymer Composites: Direct-Ink-Writing of Electrolytic and Anodic Poly(Ethylene Oxide) Composites. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2017</b> , 139,	3.3	12
293	Recent Advances in Conductive Composites Based on Biodegradable Polymers for Regenerative Medicine Applications <b>2017</b> , 519-542		
292	Poly (Lactic Acid) Nanocomposites Reinforced with Different Additives <b>2017</b> , 495-522		
291	Halloysite -Based Bionanocomposites <b>2017</b> , 557-584		4
290	Biocomposites from Renewable Resources: Preparation and Applications of Chitosan/Clay Nanocomposites <b>2017</b> , 275-303		2
289	Composites and Nanocomposites Based on Polylactic Acid <b>2017</b> , 327-360		1
288	Polyurethanes Foams from Bio-Based and Recycled Components <b>2017</b> , 461-482		
287	Design and Manufacturing of High-Performance Green Composites Based on Renewable Materials <b>2017</b> , 1-24		1
286	Surface Functionalization of Cellulose Whiskers for Nonpolar Composites Applications <b>2017</b> , 199-223		
285	Thermal and Mechanical Behaviors of Biorenewable Fibers-Based Polymer Composites <b>2017</b> , 491-519		3
284	Effect of TiO <sub>2</sub> nanoparticles on thermo-mechanical properties of cast zein protein films. <i>Food Packaging and Shelf Life</i> , <b>2017</b> , 13, 35-43	8.2	18
283	Hydrogels and its Nanocomposites from Renewable Resources: Biotechnological and Biomedical Applications <b>2017</b> , 67-95		3
282	Biorenewable Nanofiber and Nanocrystal: Renewable Nanomaterials for Constructing Novel Nanocomposites <b>2017</b> , 155-226		
281	Preparation and Application of the Composite from Chitosan <b>2017</b> , 371-433		0
280	Biodegradable Composites: Properties and Uses <b>2017</b> , 215-250		

279	Composite of Biodegradable Polymer Blends of PCL/PLLA and Coconut Fiber: The Effects of Ionizing Radiation <b>2017</b> , 489-523	
278	Biopolymers Modification and Their Utilization in Biomimetic Composites for Osteochondral Tissue Engineering <b>2017</b> , 253-285	0
277	Biodegradability of Biobased Polymeric Materials in Natural Environments <b>2017</b> , 625-653	3
276	Keratin-Based Materials in Biotechnology <b>2017</b> , 271-288	2
275	Applications of Chitosan Derivatives in Wastewater Treatment <b>2017</b> , 471-517	7
274	Novel Lignin-Based Materials as Products for Various Applications <b>2017</b> , 519-554	1
273	Preparation of Chitin-Based Nanocomposite Materials Through Gelation with Ionic Liquid <b>2017</b> , 97-120	2
272	Poly (Lactic Acid) Biopolymer Composites and Nanocomposites for Biomedicals and Biopackaging Applications <b>2017</b> , 135-169	4
271	Biopolymer -Based Nanocomposites for Environmental Applications <b>2017</b> , 389-421	0
270	Different Characterization of Solid Biofillers-Based Agricultural Waste Materials <b>2017</b> , 25-42	1
269	Pineapple Leaf Fiber: A High Potential Reinforcement for Green Rubber and Plastic Composites <b>2017</b> , 289-308	
268	Recycling and Reuse of Fiber Reinforced Polymer Wastes in Concrete Composite Materials <b>2017</b> , 155-173	
267	Plant Polysaccharides Blended Ionotropically Gelled Alginate Multiple Unit Systems for Sustained Drug Release <b>2017</b> , 399-440	7
266	Chitin and Chitosan-Based (NANO) Composites <b>2017</b> , 671-700	3
265	Rigid Closed-Cell PUR Foams Containing Polyols Derived from Renewable Resources: The Effect of Polymer Composition, Foam Density, and Organoclay Filler on Their Mechanical Properties <b>2017</b> , 313-339	1
264	Smart Hydrogels: Application in Bioethanol Production <b>2017</b> , 79-105	1
263	Eco -Friendly Nanocomposites of Chitosan with Natural Extracts, Antimicrobial Agents, and Nanometals <b>2017</b> , 35-60	1
262	Overview on Synthesis of Magnetic Bio Char from Discarded Agricultural Biomass <b>2017</b> , 435-460	2

261	Impact of Nanotechnology on Water Treatment: Carbon Nanotube and Graphene <b>2017</b> , 171-206		
260	Bio-Based Fillers for Environmentally Friendly Composites <b>2017</b> , 243-270		4
259	Photo-responsive liquid crystalline epoxy networks with exchangeable disulfide bonds. <i>RSC Advances</i> , <b>2017</b> , 7, 37248-37254	3.7	38
258	Ferrogels : Smart Materials for Biomedical and Remediation Applications <b>2017</b> , 561-579		4
257	The Use of Wheat Straw as an Agricultural Waste in Composites for Semi-Structural Applications <b>2017</b> , 515-531		2
256	Biodegradable Polymers in Tissue Engineering <b>2017</b> , 145-182		1
255	Natural Polymer-Based Nanocomposites: A Greener Approach for the Future <b>2017</b> , 433-459		2
254	Polysaccharides as Green Biodegradable Platforms for Building-up Electroactive Composite Materials: An Overview <b>2017</b> , 377-417		1
253	Synthesis and Characterization of Methacrylated Eugenol as a Sustainable Reactive Diluent for a Maleinated Acrylated Epoxidized Soybean Oil Resin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 8876-8883	8.3	40
252	Carbon Fibers from Sustainable Resources <b>2017</b> , 1-23		
251	Principle Renewable Biopolymers and Their Biomedical Applications <b>2017</b> , 107-138		
250	Effect of Filler Properties on the Antioxidant Response of Thermoplastic Starch Composites <b>2017</b> , 337-369		27
249	Design of Fibrous Composite Materials for Saving Energy <b>2017</b> , 49-91		2
248	Design and Manufacture of Biodegradable Products from Renewable Resources <b>2017</b> , 111-131		5
247	Manufacturing of Composites from Chicken Feathers and Polyvinyl Chloride (PVC) <b>2017</b> , 159-174		4
246	Composites Using Agricultural Wastes <b>2017</b> , 197-240		
245	Thermoplastic Polymeric Composites and Polymers: Their Potential in a Dialogue Between Art and Technology <b>2017</b> , 263-286		2
244	Packaging Composite Materials from Renewable Resources <b>2017</b> , 525-561		

243	Isolation and Characterisation of Water Soluble Polysaccharide from Colocasia esculenta Tubers <b>2017</b> , 221-241	1
242	Green Nanocomposites-Based on PLA and Natural Organic Fillers <b>2017</b> , 637-669	1
241	Multicarboxyl -Functionalized Nanocellulose/Nanobentonite Composite for the Effective Removal and Recovery of Uranium (VI), Thorium (IV), and Cobalt (II) from Nuclear Industry Effluents and Sea Water <b>2017</b> , 465-486	
240	Natural Fiber Reinforced PLA Composites: Effect of Shape of Fiber Elements on Properties of Composites <b>2017</b> , 287-312	3
239	Recent Developments in Biocomposites of Bombyx mori Silk Fibroin <b>2017</b> , 377-409	5
238	Natural Fiber Composite Strengthening Solution for Structural Beam Component for Enhanced Flexural Strength, as Alternatives to CFRP and GFRP Strengthening Techniques <b>2017</b> , 449-473	
237	Design and Manufacturing of Sustainable Composites <b>2017</b> , 533-601	
236	Structural and Biodegradation Characterization of Supramolecular PCL/HAp Nanocomposites for Application in Tissue Engineering <b>2017</b> , 1-24	
235	Poly (ethylene-terephthalate) Reinforced with Hemp Fibers: Elaboration, Characterization, and Potential Applications <b>2017</b> , 43-68	
234	Poly (Lactic Acid) Thermoplastic Composites from Renewable Materials <b>2017</b> , 69-102	
233	The Use of Flax Fiber-Reinforced Polymer (FFRP) Composites in the Externally Reinforced Structures for Seismic Retrofitting Monitored by Transient Thermography and Optical Techniques <b>2017</b> , 137-153	1
232	Biopolyamides and High-Performance Natural Fiber-Reinforced Biocomposites <b>2017</b> , 253-270	2
231	Lignocellulosic Fibers Composites: An Overview <b>2017</b> , 293-308	1
230	Thermo-Mechanical Characterization of Sustainable Structural Composites <b>2017</b> , 367-407	1
229	Novel pH Sensitive Composite Hydrogel Based on Functionalized Starch/clay for the Controlled Release of Amoxicillin <b>2017</b> , 409-424	
228	A Biopolymer Derived from Castor Oil Polyurethane: Experimental and Numerical Analyses <b>2017</b> , 581-606	
227	Physical and Mechanical Properties of Polymer Membranes from Renewable Resources <b>2017</b> , 631-651	
226	Oil Spill Cleanup by Textiles <b>2017</b> , 27-45	1

225	Acrylated Epoxidized Flaxseed Oil Bio-Resin and Its Biocomposites <b>2017</b> , 121-142		
224	Encapsulation of Inorganic Renewable Nanofiller <b>2017</b> , 143-164		
223	Impact of Chemical Treatment and the Manufacturing Process on Mechanical, Thermal, and Rheological Properties of Natural Fibers-Based Composites <b>2017</b> , 225-252		10
222	Fibers from Natural Resources <b>2017</b> , 287-309		2
221	Strategies to Improve the Functionality of Starch-Based Films <b>2017</b> , 311-337		1
220	The Effect of Gamma Radiation on Biodegradability of Natural Fiber/PP-HMSPP Foams: A Study of Thermal Stability and Biodegradability <b>2017</b> , 339-353		1
219	Surface Functionalization Through Vapor-Phase-Assisted Surface Polymerization (VASP) on Natural Materials from Agricultural By-Products <b>2017</b> , 355-377		
218	Okra Bast Fiber as Potential Reinforcement Element of Biocomposites: Can It Be the Flax of the Future? <b>2017</b> , 379-405		8
217	Silane Coupling Agents Used in Natural Fiber/Plastic Composites <b>2017</b> , 407-430		5
216	Composites of Olefin Polymer/Natural Fibers: The Surface Modifications on Natural Fibers <b>2017</b> , 431-456		
215	Surface Functionalization of Biomaterials <b>2017</b> , 457-490		7
214	Role of Radiation and Surface Modification on Biofiber for Reinforced Polymer Composites: A Review <b>2017</b> , 541-562		
213	Rice Husk and its Composites: Effects of Rice Husk Loading, Size, Coupling Agents, and Surface Treatment on Composites' Mechanical, Physical, and Functional Properties <b>2017</b> , 1-21		1
212	Biodegradable Composites Based on Thermoplastic Starch and Talc Nanoparticles <b>2017</b> , 23-59		2
211	Recent Progress in Biocomposite of Biodegradable Polymer <b>2017</b> , 61-94		1
210	Biodegradable Polymer Blends and Composites from Seaweeds <b>2017</b> , 419-438		3
209	Synthesis and Preparation of Bio-Based ROMP Thermosets from Functionalized Renewable Isosorbide Derivative. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 871-879	2.6	22
208	Absorptive viscoelastic coatings for full field vibration coverage measurement in vibrothermography. <i>NDT and E International</i> , <b>2016</b> , 82, 56-61	4.1	11

207	Photoresponsive Liquid Crystalline Epoxy Networks with Shape Memory Behavior and Dynamic Ester Bonds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15750-7	9.5	100
206	Processing and characterization of low-cost electrospun carbon fibers from organosolv lignin/polyacrylonitrile blends. <i>Carbon</i> , <b>2016</b> , 100, 126-136	10.4	127
205	Liquid Crystalline Epoxy Resins <b>2016</b> , 1-17		1
204	Novel low-cost hybrid composites from asphaltene/SBS tri-block copolymer with improved thermal and mechanical properties. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 2394-2403	4.3	42
203	Plant Oil-Based Polyurethanes <b>2016</b> , 37-54		7
202	Self-Metathesis of 10-Undecen-1-ol with Ru-Amine-Based Complex for Preparing the Soft Segment and Chain Extender of Novel Castor Oil-Based Polyurethanes. <i>Macromolecular Symposia</i> , <b>2016</b> , 368, 30-39	6.8	6
201	Synthesis of renewable isosorbide-based monomer and preparation of the corresponding thermosets. <i>Chinese Chemical Letters</i> , <b>2016</b> , 27, 875-878	8.1	8
200	Unexpected tackifiers from isosorbide. <i>ChemSusChem</i> , <b>2015</b> , 8, 448-51	8.3	7
199	Biobased polyurethanes prepared from different vegetable oils. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 1226-33	9.5	197
198	Multifunctional cyanate ester nanocomposites reinforced by hexagonal boron nitride after noncovalent biomimetic functionalization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 5915-26	9.5	134
197	Bio-based Polyurethane Foam Made from Compatible Blends of Vegetable-Oil-based Polyol and Petroleum-based Polyol. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 743-749	8.3	102
196	Monomers and Resulting Polymers from Biomass <b>2015</b> , 157-204		2
195	Self-healing polymer nanocomposite materials: A review. <i>Polymer</i> , <b>2015</b> , 69, 369-383	3.9	469
194	Controlled Shape Memory Behavior of a Smectic Main-Chain Liquid Crystalline Elastomer. <i>Macromolecules</i> , <b>2015</b> , 48, 2864-2874	5.5	35
193	Utilizing Wide Band Gap, High Dielectric Constant Nanoparticles as Additives in Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 23883-23889	3.8	3
192	Biorenewable polymers based on acrylated epoxidized soybean oil and methacrylated vanillin. <i>Materials Today Communications</i> , <b>2015</b> , 5, 18-22	2.5	34
191	Dynamics of poly(methyl methacrylate)/montmorillonite nanocomposites: A dielectric study. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 410, 43-50	3.9	8
190	Characterization and biodegradation behavior of bio-based poly(lactic acid) and soy protein blends for sustainable horticultural applications. <i>Green Chemistry</i> , <b>2015</b> , 17, 380-393	10	77



189	Polyols and polyurethanes prepared from epoxidized soybean oil ring-opened by polyhydroxy fatty acids with varying OH numbers. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132,	2.9	23
188	Renewable Polymers Prepared from Vanillin and Its Derivatives. <i>Macromolecular Chemistry and Physics</i> , <b>2015</b> , 216, 1816-1822	2.6	38
187	Processing and characterization of bio-based poly (hydroxyalkanoate)/poly(amide) blends: Improved flexibility and impact resistance of PHA-based plastics. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	8
186	Biorenewable polymer composites from tall oil-based polyamide and lignin-cellulose fiber. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	11
185	in situ synthesis of biopolyurethane nanocomposites reinforced with modified multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	16
184	Asphaltene: structural characterization, molecular functionalization, and application as a low-cost filler in epoxy composites. <i>RSC Advances</i> , <b>2015</b> , 5, 24264-24273	3.7	23
183	High bio-content polyurethane composites with urethane modified lignin as filler. <i>Polymer</i> , <b>2015</b> , 69, 52-57	3.9	86
182	Biorenewable thermosetting copolymer based on soybean oil and eugenol. <i>European Polymer Journal</i> , <b>2015</b> , 69, 16-28	5.2	66
181	Silanized-silicon/epoxy nanocomposites for structural capacitors with enhanced electrical energy storage capability. <i>Composites Science and Technology</i> , <b>2015</b> , 121, 34-40	8.6	18
180	Rapid room-temperature polymerization of bio-based multiaziridine-containing compounds. <i>RSC Advances</i> , <b>2015</b> , 5, 1557-1563	3.7	6
179	Rare Earth Triflate Initiators in the Cationic Polymerization of Tung Oil-Based Thermosetting Polymers for Self-Healing Applications. <i>Macromolecular Materials and Engineering</i> , <b>2014</b> , 299, 1062-1069 <sup>3.9</sup>	3.9	9
178	Thermo-Mechanical and Antibacterial Properties of Soybean Oil-Based Cationic Polyurethane Coatings: Effects of Amine Ratio and Degree of Crosslinking. <i>Macromolecular Materials and Engineering</i> , <b>2014</b> , 299, 1042-1051	3.9	36
177	Synthesis and characterization of phthalonitrile resins from ortho-linked aromatic and heterocyclic monomers. <i>Polymer International</i> , <b>2014</b> , 63, 465-469	3.3	28
176	Creep-resistant behavior of self-reinforcing liquid crystalline epoxy resins. <i>Polymer</i> , <b>2014</b> , 55, 2021-2027 <sup>3.9</sup>	3.9	29
175	Bio-renewable precursor fibers from lignin/polylactide blends for conversion to carbon fibers. <i>Carbon</i> , <b>2014</b> , 68, 159-166	10.4	128
174	Effect of silane structure on the properties of silanized multiwalled carbon nanotube-epoxy nanocomposites. <i>Polymer</i> , <b>2014</b> , 55, 1854-1865	3.9	68
173	Investigation of the effect of clay nanoparticles on the thermal behavior of PLA using a heat flux rapid scanning rate calorimeter. <i>Polymer Testing</i> , <b>2014</b> , 35, 1-9	4.5	7
172	PMMA-g-SOY as a sustainable novel dielectric material. <i>RSC Advances</i> , <b>2014</b> , 4, 18240	3.7	55

171	Tung oil-based thermosetting polymers for self-healing applications. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	21
170	Progress in Green Polymer Composites from Lignin for Multifunctional Applications: A Review. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 1072-1092	8.3	878
169	Matrices from vegetable oils, cashew nut shell liquid, and other relevant systems for biocomposite applications. <i>Green Chemistry</i> , <b>2014</b> , 16, 1700-1715	10	84
168	Effects of unsaturation and different ring-opening methods on the properties of vegetable oil-based polyurethane coatings. <i>Polymer</i> , <b>2014</b> , 55, 1004-1011	3.9	86
167	Modeling the interphase of a polymer-based nanodielectric. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , <b>2014</b> , 21, 488-496	2.3	19
166	Thermomagnetic processing of liquid-crystalline epoxy resins and their mechanical characterization using nanoindentation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 19456-64	9.5	13
165	Peel and shear strength and tear resistance of ultrasonically sealed coextruded polyolefin films for packaging applications. <i>Welding in the World, Le Soudage Dans Le Monde</i> , <b>2014</b> , 58, 619-636	1.9	2
164	Semi-interpenetrating polymer networks prepared from in situ cationic polymerization of bio-based tung oil with biodegradable polycaprolactone. <i>RSC Advances</i> , <b>2014</b> , 4, 6710	3.7	14
163	Bio-inspired green surface functionalization of PMMA for multifunctional capacitors. <i>RSC Advances</i> , <b>2014</b> , 4, 6677	3.7	112
162	Biodegradation behavior of bacterial-based polyhydroxyalkanoate (PHA) and DDGS composites. <i>Green Chemistry</i> , <b>2014</b> , 16, 1911-1920	10	49
161	Free radical induced graft copolymerization of ethyl acrylate onto SOY for multifunctional materials. <i>Materials Today Communications</i> , <b>2014</b> , 1, 34-41	2.5	27
160	Novel Composites from Eco-Friendly Soy Flour/SBS Triblock Copolymer. <i>Macromolecular Materials and Engineering</i> , <b>2014</b> , 299, 953-958	3.9	48
159	Oxidation behavior of multiwalled carbon nanotubes fluidized with ozone. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 1835-42	9.5	39
158	Novel bio-based composites of polyhydroxyalkanoate (PHA)/distillers dried grains with solubles (DDGS). <i>RSC Advances</i> , <b>2014</b> , 4, 39802-39808	3.7	19
157	Reduction of epoxidized vegetable oils: a novel method to prepare bio-based polyols for polyurethanes. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 1068-74	4.8	68
156	Polyurethanes from Solvent-Free Vegetable Oil-Based Polyols. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 2465-2476	8.3	64
155	Anionic waterborne polyurethane dispersion from a bio-based ionic segment. <i>RSC Advances</i> , <b>2014</b> , 4, 35476-35483	3.7	44
154	Green aqueous surface modification of polypropylene for novel polymer nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9349-56	9.5	144

153	Pultruded glass fiber/bio-based polymer: Interface tailoring with silane coupling agent. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2014</b> , 65, 83-90	8.4	22
152	Supercritical carbon dioxide-assisted silanization of multi-walled carbon nanotubes and their effect on the thermo-mechanical properties of epoxy nanocomposites. <i>Polymer</i> , <b>2014</b> , 55, 4156-4163	3.9	25
151	Interfacial treatment effects on behavior of soft nano-composites for highly stretchable dielectrics. <i>Polymer</i> , <b>2014</b> , 55, 4531-4537	3.9	17
150	Biorenewable ROMP-based thermosetting copolymers from functionalized castor oil derivative with various cross-linking agents. <i>Polymer</i> , <b>2014</b> , 55, 5718-5726	3.9	13
149	Anisotropic buckypaper through shear-induced mechanical alignment of carbon nanotubes in water. <i>Carbon</i> , <b>2014</b> , 80, 433-439	10.4	15
148	Composition-dependent fracture toughness of ROMP-based Dilulin/dicyclopentadiene copolymers. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 4880-4890	4.3	4
147	Cure kinetics of liquid crystalline epoxy resins based on biphenyl mesogen. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 117, 481-488	4.1	12
146	Synthesis and Characterization of AN-g-SOY for Sustainable Polymer Composites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 2454-2460	8.3	39
145	Shear thinning behavior of aqueous alumina nanoparticle suspensions with saccharides. <i>Ceramics International</i> , <b>2014</b> , 40, 3533-3542	5.1	14
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