

Michael R Kessler

List of Publications by Citations

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314
papers

13,302
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51
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111
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335
ext. papers

14,715
ext. citations

5.6
avg, IF

6.88
L-index

#	Paper	IF	Citations
314	Autonomic healing of polymer composites. <i>Nature</i> , 2001 , 409, 794-7	50.4	3147
313	Progress in Green Polymer Composites from Lignin for Multifunctional Applications: A Review. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1072-1092	8.3	878
312	Self-healing structural composite materials. <i>Composites Part A: Applied Science and Manufacturing</i> , 2003 , 34, 743-753	8.4	572
311	Self-healing polymer nanocomposite materials: A review. <i>Polymer</i> , 2015 , 69, 369-383	3.9	469
310	Recent advances in vegetable oil-based polymers and their composites. <i>Progress in Polymer Science</i> , 2017 , 71, 91-143	29.6	363
309	In situ poly(urea-formaldehyde) microencapsulation of dicyclopentadiene. <i>Journal of Microencapsulation</i> , 2003 , 20, 719-30	3.4	339
308	Self-activated healing of delamination damage in woven composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2001 , 32, 683-699	8.4	251
307	Cure kinetics characterization and monitoring of an epoxy resin using DSC, Raman spectroscopy, and DEA. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 49, 100-108	8.4	235
306	Biobased polyurethanes prepared from different vegetable oils. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 1226-33	9.5	197
305	Dynamic mechanical analysis of carbon/epoxy composites for structural pipeline repair. <i>Composites Part B: Engineering</i> , 2007 , 38, 1-9	10	197
304	Self-healing polymers and composites. <i>International Materials Reviews</i> , 2010 , 55, 317-346	16.1	175
303	Cure kinetics of the ring-opening metathesis polymerization of dicyclopentadiene. <i>Journal of Polymer Science Part A</i> , 2002 , 40, 2373-2383	2.5	155
302	Green aqueous surface modification of polypropylene for novel polymer nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 9349-56	9.5	144
301	Multifunctional cyanate ester nanocomposites reinforced by hexagonal boron nitride after noncovalent biomimetic functionalization. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5915-26	9.5	134
300	Toughness Enhancement in ROMP Functionalized Carbon Nanotube/Polydicyclopentadiene Composites. <i>Chemistry of Materials</i> , 2008 , 20, 7060-7068	9.6	134
299	Soy-castor oil based polyols prepared using a solvent-free and catalyst-free method and polyurethanes therefrom. <i>Green Chemistry</i> , 2013 , 15, 1477	10	133
298	Bio-renewable precursor fibers from lignin/polylactide blends for conversion to carbon fibers. <i>Carbon</i> , 2014 , 68, 159-166	10.4	128

297	Processing and characterization of low-cost electrospun carbon fibers from organosolv lignin/polyacrylonitrile blends. <i>Carbon</i> , 2016 , 100, 126-136	10.4	127
296	Self-healing: A new paradigm in materials design. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2007 , 221, 479-495	0.9	122
295	Dynamic mechanical analysis of fumed silica/cyanate ester nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 761-768	8.4	117
294	Study of Physically Transient Insulating Materials as a Potential Platform for Transient Electronics and Bioelectronics. <i>Advanced Functional Materials</i> , 2014 , 24, 4135-4143	15.6	116
293	Creep behavior of carbon fiber/epoxy matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 421, 217-225	5.3	113
292	Bio-inspired green surface functionalization of PMMA for multifunctional capacitors. <i>RSC Advances</i> , 2014 , 4, 6677	3.7	112
291	Rheological Behavior of Environmentally Friendly Castor Oil-Based Waterborne Polyurethane Dispersions. <i>Macromolecules</i> , 2013 , 46, 4606-4616	5.5	108
290	Synthesis and Characterization of Melamine-Urea-Formaldehyde Microcapsules Containing ENB-Based Self-Healing Agents. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 389-395	3.9	107
289	Analysis of a carbon composite overwrap pipeline repair system. <i>International Journal of Pressure Vessels and Piping</i> , 2008 , 85, 782-788	2.4	106
288	Bio-based Polyurethane Foam Made from Compatible Blends of Vegetable-Oil-based Polyol and Petroleum-based Polyol. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 743-749	8.3	102
287	Photoresponsive Liquid Crystalline Epoxy Networks with Shape Memory Behavior and Dynamic Ester Bonds. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15750-7	9.5	100
286	Influence of cross-link density on the properties of ROMP thermosets. <i>Polymer</i> , 2009 , 50, 1264-1269	3.9	95
285	Characterization of diene monomers as healing agents for autonomic damage repair. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 1266-1272	2.9	88
284	Effects of unsaturation and different ring-opening methods on the properties of vegetable oil-based polyurethane coatings. <i>Polymer</i> , 2014 , 55, 1004-1011	3.9	86
283	High bio-content polyurethane composites with urethane modified lignin as filler. <i>Polymer</i> , 2015 , 69, 52-57	3.9	86
282	Matrices from vegetable oils, cashew nut shell liquid, and other relevant systems for biocomposite applications. <i>Green Chemistry</i> , 2014 , 16, 1700-1715	10	84
281	Characterization and biodegradation behavior of bio-based poly(lactic acid) and soy protein blends for sustainable horticultural applications. <i>Green Chemistry</i> , 2015 , 17, 380-393	10	77
280	Directed Self-Assembly of Gradient Concentric Carbon Nanotube Rings. <i>Advanced Functional Materials</i> , 2008 , 18, 2114-2122	15.6	73

279	Effect of silane structure on the properties of silanized multiwalled carbon nanotube-epoxy nanocomposites. <i>Polymer</i> , 2014 , 55, 1854-1865	3.9	68
278	Reduction of epoxidized vegetable oils: a novel method to prepare bio-based polyols for polyurethanes. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1068-74	4.8	68
277	Thermal and mechanical evaluation of cyanate ester composites with low-temperature processability. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007 , 38, 779-784	8.4	68
276	Biorenewable thermosetting copolymer based on soybean oil and eugenol. <i>European Polymer Journal</i> , 2015 , 69, 16-28	5.2	66
275	Polyurethanes from Solvent-Free Vegetable Oil-Based Polyols. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 2465-2476	8.3	64
274	Multifunctional PMMA-Ceramic composites as structural dielectrics. <i>Polymer</i> , 2010 , 51, 5823-5832	3.9	64
273	Liquid crystalline epoxy resin based on biphenyl mesogen: Thermal characterization. <i>Polymer</i> , 2013 , 54, 3017-3025	3.9	58
272	Soft Elastomeric Capacitor Network for Strain Sensing Over Large Surfaces. <i>IEEE/ASME Transactions on Mechatronics</i> , 2013 , 18, 1647-1654	5.5	57
271	Polyurethanes from isosorbide-based diisocyanates. <i>ChemSusChem</i> , 2013 , 6, 1182-5	8.3	56
270	Cure kinetics of thermosetting bisphenol E cyanate ester. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 93, 77-85	4.1	56
269	PMMA-g-SOY as a sustainable novel dielectric material. <i>RSC Advances</i> , 2014 , 4, 18240	3.7	55
268	Influence of frequency and prestrain on the mechanical efficiency of dielectric electroactive polymer actuators. <i>Materials Letters</i> , 2006 , 60, 3437-3440	3.3	55
267	Fabrication and Properties of Vegetable-Oil-Based Glass Fiber Composites by Ring-Opening Metathesis Polymerization. <i>Macromolecular Materials and Engineering</i> , 2008 , 293, 979-990	3.9	54
266	Multifunctional fiberglass-reinforced PMMA-BaTiO ₃ structural/dielectric composites. <i>Polymer</i> , 2011 , 52, 2016-2024	3.9	52
265	Preparation and characterization of whey protein isolate films reinforced with porous silica coated titania nanoparticles. <i>Journal of Food Engineering</i> , 2013 , 117, 133-140	6	51
264	Biodegradation behavior of bacterial-based polyhydroxyalkanoate (PHA) and DDGS composites. <i>Green Chemistry</i> , 2014 , 16, 1911-1920	10	49
263	Antibacterial soybean-oil-based cationic polyurethane coatings prepared from different amino polyols. <i>ChemSusChem</i> , 2012 , 5, 2221-7	8.3	49
262	Novel Composites From Eco-Friendly Soy Flour/SBS Triblock Copolymer. <i>Macromolecular Materials and Engineering</i> , 2014 , 299, 953-958	3.9	48

261	Polymer Matrix Composites: A Perspective for a Special Issue of Polymer Reviews. <i>Polymer Reviews</i> , 2012 , 52, 229-233	14	48
260	Ring-opening metathesis polymerization of a modified linseed oil with varying levels of crosslinking. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 6851-6860	2.5	48
259	An efficient approach to prepare ether and amide-based self-catalyzed phthalonitrile resins. <i>Polymer Chemistry</i> , 2013 , 4, 3617	4.9	47
258	Carbon fiber-reinforced cyanate ester/nano-ZrW ₂ O ₈ composites with tailored thermal expansion. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 510-7	9.5	46
257	Anionic waterborne polyurethane dispersion from a bio-based ionic segment. <i>RSC Advances</i> , 2014 , 4, 35476-35483	3.7	44
256	Kinetics of bulk azide/alkyne click polymerization. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 4093-4102	2.5	44
255	The influence of cross-linking agents on ring-opening metathesis polymerized thermosets. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 89, 459-464	4.1	44
254	Thermal analysis of ring-opening metathesis polymerized healing agents. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 1771-1780	2.6	43
253	Novel low-cost hybrid composites from asphaltene/SBS tri-block copolymer with improved thermal and mechanical properties. <i>Journal of Materials Science</i> , 2016 , 51, 2394-2403	4.3	42
252	Glass fiber reinforced ROMP-based bio-renewable polymers: Enhancement of the interface with silane coupling agents. <i>Composites Science and Technology</i> , 2012 , 72, 1264-1272	8.6	42
251	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> , 2017 , 5, 8876-8883	8.3	40
250	Thermal expansion of fumed silica/cyanate ester nanocomposites. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 647-653	2.9	40
249	Oxidation behavior of multiwalled carbon nanotubes fluidized with ozone. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1835-42	9.5	39
248	Synthesis and Characterization of AN-g-SOY for Sustainable Polymer Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 2454-2460	8.3	39
247	Photo-responsive liquid crystalline epoxy networks with exchangeable disulfide bonds. <i>RSC Advances</i> , 2017 , 7, 37248-37254	3.7	38
246	Renewable Polymers Prepared from Vanillin and Its Derivatives. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 1816-1822	2.6	38
245	Biodegradation Behavior of Poly(lactic acid) (PLA)/Distiller Dried Grains with Solubles (DDGS) Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 2699-2706	8.3	38
244	Effect of functionalized MWCNTs on the thermo-mechanical properties of poly(5-ethylidene-2-norbornene) composites produced by ring-opening metathesis polymerization. <i>Carbon</i> , 2009 , 47, 2406-2412	10.4	37

243	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> , 2014 , 299, 1042-1051	3.9	36
242	Controlled Shape Memory Behavior of a Smectic Main-Chain Liquid Crystalline Elastomer. <i>Macromolecules</i> , 2015 , 48, 2864-2874	5.5	35
241	Liquid crystalline epoxy networks with exchangeable disulfide bonds. <i>Soft Matter</i> , 2017 , 13, 5021-5027	3.6	34
240	Biorenewable polymers based on acrylated epoxidized soybean oil and methacrylated vanillin. <i>Materials Today Communications</i> , 2015 , 5, 18-22	2.5	34
239	Zirconium tungstate/epoxy nanocomposites: effect of nanoparticle morphology and negative thermal expansivity. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 9478-87	9.5	34
238	Adhesive repair of bismaleimide/carbon fiber composites with bisphenol E cyanate ester. <i>Composites Science and Technology</i> , 2011 , 71, 239-245	8.6	34
237	Bisphenol E cyanate ester as a novel resin for repairing BMI/carbon fiber composites: Influence of cure temperature on adhesive bond strength. <i>Polymer</i> , 2013 , 54, 3994-4002	3.9	33
236	Rheokinetic evaluation of self-healing agents polymerized by Grubbs catalyst embedded in various thermosetting systems. <i>Composites Science and Technology</i> , 2009 , 69, 2102-2107	8.6	33
235	Rheology and curing kinetics of fumed silica/cyanate ester nanocomposites. <i>Polymer Engineering and Science</i> , 2008 , 48, 875-883	2.3	33
234	Degradation of ROMP-based bio-renewable polymers by UV radiation. <i>Polymer Degradation and Stability</i> , 2013 , 98, 2357-2365	4.7	32
233	Zirconium tungstate/cyanate ester nanocomposites with tailored thermal expansivity. <i>Composites Science and Technology</i> , 2011 , 71, 1385-1391	8.6	32
232	Rheokinetics of ring-opening metathesis polymerization of norbornene-based monomers intended for self-healing applications. <i>Polymer Engineering and Science</i> , 2006 , 46, 1804-1811	2.3	32
231	A comparison of crystallization behavior for melt and cold crystallized poly (L-Lactide) using rapid scanning rate calorimetry. <i>Polymer</i> , 2010 , 51, 4611-4618	3.9	30
230	Creep-resistant behavior of self-reinforcing liquid crystalline epoxy resins. <i>Polymer</i> , 2014 , 55, 2021-2027	3.9	29
229	Novel Rubbers from the Cationic Copolymerization of Soybean Oils and Dicyclopentadiene, 2 \square Mechanical and Damping Properties. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 472-483	3.9	29
228	Isothermal cure characterization of dicyclopentadiene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 89, 453-457	4.1	29
227	Synthesis and characterization of phthalonitrile resins from ortho-linked aromatic and heterocyclic monomers. <i>Polymer International</i> , 2014 , 63, 465-469	3.3	28
226	Influence of adsorbed moisture on the properties of cyanate ester/BaTiO ₃ composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009 , 40, 1266-1271	8.4	28

225	Free radical induced graft copolymerization of ethyl acrylate onto SOY for multifunctional materials. <i>Materials Today Communications</i> , 2014 , 1, 34-41	2.5	27
224	Liquid crystalline epoxy resin based on biphenyl mesogen: Effect of magnetic field orientation during cure. <i>Polymer</i> , 2013 , 54, 5741-5746	3.9	27
223	Effect of Filler Properties on the Antioxidant Response of Thermoplastic Starch Composites 2017 , 337-369		27
222	Supercritical carbon dioxide-assisted silanization of multi-walled carbon nanotubes and their effect on the thermo-mechanical properties of epoxy nanocomposites. <i>Polymer</i> , 2014 , 55, 4156-4163	3.9	25
221	Bio-based reactive diluents as sustainable replacements for styrene in MAESO resin.. <i>RSC Advances</i> , 2018 , 8, 13780-13788	3.7	24
220	Injection repair of carbon fiber/bismaleimide composite panels with bisphenol E cyanate ester resin. <i>Composites Science and Technology</i> , 2014 , 100, 174-181	8.6	24
219	Cure characterization of soybean oilStyreneDivinylbenzene thermosetting copolymers. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 1042-1049	2.9	24
218	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> , 2015 , 132,	2.9	23
217	Multifunctional properties of cyanate ester composites with SiO ₂ coated Fe ₃ O ₄ fillers. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1636-42	9.5	23
216	Asphaltene: structural characterization, molecular functionalization, and application as a low-cost filler in epoxy composites. <i>RSC Advances</i> , 2015 , 5, 24264-24273	3.7	23
215	Soybean-Oil-Based Thermosetting Resins with Methacrylated Vanillyl Alcohol as Bio-Based, Low-Viscosity Comonomer. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1700278	3.9	22
214	Synthesis and Preparation of Bio-Based ROMP Thermosets from Functionalized Renewable Isosorbide Derivative. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 871-879	2.6	22
213	Pultruded glass fiber/bio-based polymer: Interface tailoring with silane coupling agent. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014 , 65, 83-90	8.4	22
212	Tung oil-based thermosetting polymers for self-healing applications. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	21
211	Modeling the interphase of a polymer-based nanodielectric. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 488-496	2.3	19
210	Novel bio-based composites of polyhydroxyalkanoate (PHA)/distillers dried grains with solubles (DDGS). <i>RSC Advances</i> , 2014 , 4, 39802-39808	3.7	19
209	Statistical analysis of electrical breakdown behavior of polyimide following degrading processes. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2011 , 18, 1955-1962	2.3	19
208	Rheology and dynamic mechanical analysis of bisphenol E cyanate ester/alumina nanocomposites. <i>Polymer Engineering and Science</i> , 2010 , 50, 302-311	2.3	19

207	Low viscosity cyanate ester resin for the injection repair of hole-edge delaminations in bismaleimide/carbon fiber composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 52, 31-37	8.4	18
206	Effect of TiO ₂ nanoparticles on thermo-mechanical properties of cast zein protein films. <i>Food Packaging and Shelf Life</i> , 2017 , 13, 35-43	8.2	18
205	Silanized-silicon/epoxy nanocomposites for structural capacitors with enhanced electrical energy storage capability. <i>Composites Science and Technology</i> , 2015 , 121, 34-40	8.6	18
204	Novel Si/cyanate ester nanocomposites with multifunctional properties. <i>Composites Science and Technology</i> , 2012 , 72, 1692-1696	8.6	18
203	Bio-Based Rubbers by Concurrent Cationic and Ring-Opening Metathesis Polymerization of a Modified Linseed Oil. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 756-761	3.9	18
202	Degradation kinetics of polyimide film. <i>High Performance Polymers</i> , 2011 , 23, 335-342	1.6	18
201	High-performance thermosets with tailored properties derived from methacrylated eugenol and epoxy-based vinyl ester. <i>Polymer International</i> , 2018 , 67, 544-549	3.3	17
200	Interfacial treatment effects on behavior of soft nano-composites for highly stretchable dielectrics. <i>Polymer</i> , 2014 , 55, 4531-4537	3.9	17
199	Rheokinetics of Ring-Opening Metathesis Polymerization of Bio-Based Castor Oil Thermoset. <i>Macromolecules</i> , 2012 , 45, 7729-7739	5.5	17
198	Degradation kinetics of polytetrafluoroethylene and poly(ethylene-alt-tetrafluoroethylene). <i>High Performance Polymers</i> , 2013 , 25, 535-542	1.6	17
197	Evaluation of different catalyst systems for bulk polymerization through Click Chemistry. <i>Polymer</i> , 2011 , 52, 4435-4441	3.9	17
196	Dielectric response of PTFE and ETFE wiring insulation to thermal exposure. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2010 , 17, 1234-1241	2.3	17
195	Latent catalytic systems for ring-opening metathesis-based thermosets. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 96, 705-713	4.1	17
194	Creep behavior of bisphenol E cyanate ester/alumina nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 5892-5899	5.3	17
193	in situ synthesis of biopolyurethane nanocomposites reinforced with modified multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	16
192	Enhanced bulk catalyst dissolution for self-healing materials. <i>Journal of Materials Chemistry</i> , 2010 , 20, 4198		16
191	The effects of alumina and silica nanoparticles on the cure kinetics of bisphenol E cyanate ester. <i>Polymer Engineering and Science</i> , 2010 , 50, 1075-1084	2.3	16
190	Cure characterization and viscosity development of ring-opening metathesis polymerized resins. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 85, 7-12	4.1	16

189	Anisotropic buckypaper through shear-induced mechanical alignment of carbon nanotubes in water. <i>Carbon</i> , 2014 , 80, 433-439	10.4	15
188	Effect of a zirconium tungstate filler on the cure behavior of a cyanate ester resin. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1190-5	9.5	15
187	Semi-interpenetrating polymer networks prepared from in situ cationic polymerization of bio-based tung oil with biodegradable polycaprolactone. <i>RSC Advances</i> , 2014 , 4, 6710	3.7	14
186	Shear thinning behavior of aqueous alumina nanoparticle suspensions with saccharides. <i>Ceramics International</i> , 2014 , 40, 3533-3542	5.1	14
185	Modified rheokinetic technique to enhance the understanding of microcapsule-based self-healing polymers. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1831-7	9.5	14
184	Microencapsulation of self-healing agents with melamine-urea-formaldehyde by the Shirasu porous glass (SPG) emulsification technique. <i>Macromolecular Research</i> , 2011 , 19, 1056-1061	1.9	14
183	Evaluation of Norbornene-Based Adhesives to Amine-Cured Epoxy for Self-Healing Applications. <i>Macromolecular Materials and Engineering</i> , 2011 , 296, 965-972	3.9	14
182	Thermomagnetic processing of liquid-crystalline epoxy resins and their mechanical characterization using nanoindentation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19456-64	9.5	13
181	Biorenewable ROMP-based thermosetting copolymers from functionalized castor oil derivative with various cross-linking agents. <i>Polymer</i> , 2014 , 55, 5718-5726	3.9	13
180	Polymer Nanocomposites: New Advanced Dielectric Materials for Energy Storage Applications 2014 , 207-257		13
179	Cure kinetics of liquid crystalline epoxy resins based on biphenyl mesogen. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 117, 481-488	4.1	12
178	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> , 2017 , 139,	3.3	12
177	Thermal analysis of phase transitions in perovskite electroceramics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 115, 587-593	4.1	12
176	Zirconium tungstate reinforced cyanate ester composites with enhanced dimensional stability. <i>Journal of Materials Research</i> , 2009 , 24, 2235-2242	2.5	12
175	Thermosetting polymers from renewable sources. <i>Polymer International</i> , 2021 , 70, 167-180	3.3	12
174	Absorptive viscoelastic coatings for full field vibration coverage measurement in vibrothermography. <i>NDT and E International</i> , 2016 , 82, 56-61	4.1	11
173	Epoxy Composites Reinforced with Negative-CTE ZrW ₂ O ₈ Nanoparticles for Electrical Applications. <i>Macromolecular Materials and Engineering</i> , 2013 , 298, 136-144	3.9	11
172	Biorenewable polymer composites from tall oil-based polyamide and lignin-cellulose fiber. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	11

171	Tailoring the toughness and CTE of high temperature bisphenol E cyanate ester (BECy) resin. <i>EXPRESS Polymer Letters</i> , 2014 , 8, 336-344	3.4	11
170	Effect of Hydrothermal Synthesis Conditions on the Morphology and Negative Thermal Expansivity of Zirconium Tungstate Nanoparticles. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3643-3650	3.8	11
169	A Novel Microwave-Assisted Carbothermic Route for the Production of Copper-Carbon Nanotube Metal Matrix Composites Directly from Copper Oxide. <i>Advanced Engineering Materials</i> , 2013 , 15, 366-372	3.5	11
168	Enhanced reaction kinetics and impact strength of cyanate ester reinforced with multiwalled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 3970-8	1.3	11
167	Synthesis, processing, and characterization of negative thermal expansion zirconium tungstate nanoparticles with different morphologies. <i>Materials Chemistry and Physics</i> , 2011 , 131, 12-17	4.4	11
166	Three-phase cyanate ester composites with fumed silica and negative-CTE reinforcements. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 93, 87-93	4.1	11
165	Impact of Chemical Treatment and the Manufacturing Process on Mechanical, Thermal, and Rheological Properties of Natural Fibers-Based Composites 2017 , 225-252		10
164	Activation energy for diffusion and welding of PLA films. <i>Polymer Engineering and Science</i> , 2012 , 52, 1693-1700	3.7	10
163	Cure characterization of the ring-opening metathesis polymerization of linseed oil-based thermosetting resins. <i>Polymer International</i> , 2009 , 58, 738-744	3.3	10
162	Rare Earth Triflate Initiators in the Cationic Polymerization of Tung Oil-Based Thermosetting Polymers for Self-Healing Applications. <i>Macromolecular Materials and Engineering</i> , 2014 , 299, 1062-1069	3.9	9
161	Effect of PEGDE addition on rheological and mechanical properties of bisphenol E cyanate ester. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 463-469	2.9	9
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