

# Ian Hamerton

## 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.

197  
papers

4,647  
citations

31  
h-index

60  
g-index

203  
ext. papers

5,110  
ext. citations

4.7  
avg, IF

5.8  
L-index

#	Paper	IF	Citations
197	AutoMapper: A python tool for accelerating the polymer bonding workflow in LAMMPS. <i>Computational Materials Science</i> , <b>2022</b> , 205, 111204	3.2	0
196	Life Cycle Assessment of the High Performance Discontinuous Fibre (HiPerDiF) Technology and Its Operation in Various Countries. <i>Sustainability</i> , <b>2022</b> , 14, 1922	3.6	1
195	Natural Fibres as a Sustainable Reinforcement Constituent in Aligned Discontinuous Polymer Composites Produced by the HiPerDiF Method. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
194	An automated in-situ polymerisation procedure for multi-functional cyanate ester resins via ring formation. <i>Polymer</i> , <b>2021</b> , 228, 123938	3.9	1
193	Recycling of fiber reinforced thermosetting composites <b>2021</b> , 561-595		0
192	A Life Cycle Engineering Perspective on Biocomposites as a Solution for a Sustainable Recovery. <i>Sustainability</i> , <b>2021</b> , 13, 1160	3.6	21
191	SPH Simulation for Short Fibre Recycling Using Water Jet Alignment. <i>International Journal of Computational Fluid Dynamics</i> , <b>2021</b> , 35, 129-142	1.2	2
190	Batch production and fused filament fabrication of highly aligned discontinuous fibre thermoplastic filaments. <i>Additive Manufacturing</i> , <b>2021</b> , 102359	6.1	0
189	A Route to Sustainable Aviation: A Roadmap for the Realization of Aircraft Components With Electrical and Structural Multifunctionality. <i>IEEE Transactions on Transportation Electrification</i> , <b>2021</b> , 7, 3032-3049	7.6	1
188	Fused Deposition Modelling of Fibre Reinforced Polymer Composites: A Parametric Review. <i>Journal of Composites Science</i> , <b>2021</b> , 5, 29	3	20
187	Characterisation of Natural Fibres for Sustainable Discontinuous Fibre Composite Materials. <i>Materials</i> , <b>2020</b> , 13,	3.5	22
186	Pseudo-ductile behaviour in fibre reinforced thermoplastic angle-ply composites. <i>Composites Science and Technology</i> , <b>2020</b> , 197, 108261	8.6	3
185	Remanufacturing of Woven Carbon Fibre Fabric Production Waste into High Performance Aligned Discontinuous Fibre Composites. <i>Journal of Composites Science</i> , <b>2020</b> , 4, 68	3	13
184	Improving Dispersion of Recycled Discontinuous Carbon Fibres to Increase Fibre Throughput in the HiPerDiF Process. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
183	A Novel Approach to Atomistic Molecular Dynamics Simulation of Phenolic Resins Using Symthons. <i>Polymers</i> , <b>2020</b> , 12,	4.5	2
182	Validation of a smoothed particle hydrodynamics model for a highly aligned discontinuous fibre composites manufacturing process. <i>Composites Science and Technology</i> , <b>2020</b> , 196, 108152	8.6	6
181	An evaluation of life cycle assessment and its application to the closed-loop recycling of carbon fibre reinforced polymers. <i>Composites Part B: Engineering</i> , <b>2020</b> , 184, 107665	10	40

180	Experimental characterisation and micromechanical models for luminescent phosphors incorporated with nonwoven veil-polymer composites. <i>Composites Part B: Engineering</i> , <b>2020</b> , 202, 108444 <sup>10</sup>	10	1
179	Measurement of the glass transition temperature of an epoxy resin using principal components of Raman spectra. <i>Composites Part B: Engineering</i> , <b>2020</b> , 200, 108210	10	1
178	Development of Cycloaliphatic Epoxy-POSS Nanocomposite Matrices with Lambas Enhanced Resistance to Atomic Oxygen. <i>Molecules</i> , <b>2020</b> , 25,	4.8	9
177	Delivering interlaminar reinforcement in composites through electrospun nanofibres. <i>Advanced Manufacturing: Polymer and Composites Science</i> , <b>2019</b> , 5, 155-171	0.6	1
176	Examining the influence of carboxylic anhydride structures on the reaction kinetics and processing characteristics of an epoxy resin for wind turbine applications. <i>Reactive and Functional Polymers</i> , <b>2019</b> , 144, 104353	4.6	4
175	A closed-loop recycling process for discontinuous carbon fibre polyamide 6 composites. <i>Composites Part B: Engineering</i> , <b>2019</b> , 179, 107418	10	27
174	Atomic oxygen degradation mechanisms of epoxy composites for space applications. <i>Polymer Degradation and Stability</i> , <b>2019</b> , 166, 108-120	4.7	16
173	Examining the Influence of Anion Nucleophilicity on the Polymerisation Initiation Mechanism of Phenyl Glycidyl Ether. <i>Polymers</i> , <b>2019</b> , 11,	4.5	4
172	Radiation-grafted cation-exchange membranes: an initial ex situ feasibility study into their potential use in reverse electrodialysis. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 1682-1692	5.8	10
171	Liquid Processable, Thermally Stable, Hydrophobic Phenolic Triazine Resins for Advanced Composite Applications. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 1458-1465	4.3	6
170	Development of epoxy-cyanate ester-clay nanocomposites offering enhanced thermally stability. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47754	2.9	14
169	Quasi-Isotropic and Pseudo-Ductile Highly Aligned Discontinuous Fibre Composites Manufactured with the HiPerDiF (High Performance Discontinuous Fibre) Technology. <i>Materials</i> , <b>2019</b> , 12,	3.5	17
168	Examining the thermal degradation behaviour of a series of cyanate ester homopolymers. <i>Polymer International</i> , <b>2019</b> , 68, 1666-1672	3.3	4
167	Reactive Molecular Dynamics Study of the Thermal Decomposition of Phenolic Resins. <i>Journal of Composites Science</i> , <b>2019</b> , 3, 32	3	9
166	Matrix-graded and fibre-steered composites to tackle stress concentrations. <i>Composite Structures</i> , <b>2019</b> , 207, 72-80	5.3	11
165	Examining the Influence of Organophosphorus Flame Retardants on the Thermal Behavior of Aromatic Polybenzoxazines. <i>Macromolecular Chemistry and Physics</i> , <b>2019</b> , 220, 1800282	2.6	2
164	On the use of benzaldehyde to improve the storage stability of one-pot, epoxy ionic liquid formulations. <i>European Polymer Journal</i> , <b>2019</b> , 112, 126-136	5.2	4
163	Methods for process-related resin selection and optimisation in high-pressure resin transfer moulding. <i>Materials Science and Technology</i> , <b>2019</b> , 35, 327-335	1.5	6

162	Developing toughened bismaleimide-clay nanocomposites: Comparing the use of platelet and rod-like nanoclays. <i>Reactive and Functional Polymers</i> , <b>2019</b> , 134, 10-21	4.6	8
161	Investigating the mechanism through which ionic liquids initiate the polymerisation of epoxy resins. <i>Polymer</i> , <b>2018</b> , 139, 163-176	3.9	34
160	Synthesis and characterization of organosoluble radiation-resistant composite materials from octa(maleimidophenyl)silsesquioxane and aryl diamines. <i>Polymers for Advanced Technologies</i> , <b>2018</b> , 29, 1261-1270	3.2	
159	Examining the kinetics of the thermal polymerisation behaviour of epoxy resins initiated with a series of 1-ethyl-3-methylimidazolium based ionic liquids. <i>Thermochimica Acta</i> , <b>2018</b> , 663, 19-26	2.9	6
158	Development of a closed-loop recycling process for discontinuous carbon fibre polypropylene composites. <i>Composites Part B: Engineering</i> , <b>2018</b> , 146, 222-231	10	50
157	Analysis of atomic oxygen and ultraviolet exposure effects on cycloaliphatic epoxy resins reinforced with octa-functional POSS. <i>Acta Astronautica</i> , <b>2018</b> , 142, 103-111	2.9	10
156	Prediction of the char formation of polybenzoxazines: The effect of heterogeneities in the crosslinked network to the prediction accuracy in quantitative structure-properties relationship (QSPR) model. <i>Reactive and Functional Polymers</i> , <b>2018</b> , 129, 129-137	4.6	3
155	Examining the nature of network formation during epoxy polymerisation initiated with ionic liquids. <i>Polymer</i> , <b>2018</b> , 150, 318-325	3.9	8
154	Development and application of a quality control and property assurance methodology for reclaimed carbon fibers based on the HiPerDiF (High Performance Discontinuous Fibre) method and interlaminated hybrid specimens. <i>Advanced Manufacturing: Polymer and Composites Science</i> , <b>2018</b> , 4, 48-55	0.6	11
153	Tuning the properties for the self-extinguishing epoxy-amine composites containing copper-coordinated curing agent: Flame tests and physical/mechanical measurements. <i>Reactive and Functional Polymers</i> , <b>2018</b> , 129, 95-102	4.6	8
152	Cycloaliphatic epoxy-based hybrid nanocomposites reinforced with POSS or nanosilica for improved environmental stability in low Earth orbit. <i>Composites Part B: Engineering</i> , <b>2018</b> , 138, 66-76	10	21
151	Reclaimed Carbon and Flax Fibre Composites: Manufacturing and Mechanical Properties. <i>Recycling</i> , <b>2018</b> , 3, 52	3.2	25
150	Phoenix polymers' fire induced nanohardness in fibril-forming aromatic cyanate esters. <i>RSC Advances</i> , <b>2018</b> , 8, 36264-36271	3.7	1
149	Exploring Structure-Property Relationships in Aromatic Polybenzoxazines Through Molecular Simulation. <i>Polymers</i> , <b>2018</b> , 10,	4.5	3
148	Examining the effects of storage on the initiation behaviour of ionic liquids towards the cure of epoxy resins. <i>Reactive and Functional Polymers</i> , <b>2018</b> , 133, 9-20	4.6	13
147	Exploring the thermal degradation mechanisms of some polybenzoxazines under ballistic heating conditions in helium and air. <i>Polymer Degradation and Stability</i> , <b>2018</b> , 156, 180-192	4.7	
146	The use of thermosets in modern aerospace applications <b>2018</b> , 303-340		4
145	Modern Developments Using Molecular Simulation to Predict the Physical and Mechanical Properties of Polybenzoxazines <b>2017</b> , 111-129		

144	Predictive Methodology and Properties of Polybenzoxazines <b>2017</b> , 131-145		
143	Modern advances in bismaleimide resin technology: A 21st century perspective on the chemistry of addition polyimides. <i>Progress in Polymer Science</i> , <b>2017</b> , 69, 1-21	29.6	132
142	Water-based fractionation of a commercial humic acid. Solid-state and colloidal characterization of the solubility fractions. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 508, 28-38	9.3	6
141	Ductility potential of brittle epoxies: Thermomechanical behaviour of plastically-deformed fully-cured composite resins. <i>Polymer</i> , <b>2017</b> , 120, 43-51	3.9	16
140	Development of sizing-free multi-functional carbon fibre nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2016</b> , 90, 306-319	8.4	22
139	Multi-Functional Carbon Fibre Composites using Carbon Nanotubes as an Alternative to Polymer Sizing. <i>Scientific Reports</i> , <b>2016</b> , 6, 37334	4.9	53
138	Improving the hydrolytic stability of aryl cyanate esters by examining the effects of extreme environments on polycyanurate copolymers. <i>Reactive and Functional Polymers</i> , <b>2016</b> , 109, 104-111	4.6	3
137	Investigation of structure property relationships in liquid processible, solvent free, thermally stable bismaleimide-triazine (BT) resins. <i>Reactive and Functional Polymers</i> , <b>2016</b> , 102, 110-118	4.6	5
136	Examining the influence of bisphenol A on the polymerisation and network properties of an aromatic benzoxazine. <i>Polymer</i> , <b>2016</b> , 88, 52-62	3.9	17
135	Characterisation of commercially CVD grown multi-walled carbon nanotubes for paint applications. <i>Progress in Organic Coatings</i> , <b>2016</b> , 90, 44-53	4.8	59
134	Developing (Quantitative Structure Property Relationships) QSPR Techniques to Predict the Char Formation of Polybenzoxazines. <i>Polymers</i> , <b>2016</b> , 8,	4.5	3
133	Examining the thermal behaviour of novel aromatic polybenzoxazine blends containing an organophosphorous compound and polyhedral oligomeric silsesquioxane reagents. <i>Polymer International</i> , <b>2016</b> , 65, 1015-1023	3.3	3
132	Using Molecular Simulation to Explore Unusually Low Moisture Uptake in Amine-Cured Epoxy Carbon Fiber Reinforced Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 1282-1292	2.6	
131	Positioning and aligning CNTs by external magnetic field to assist localised epoxy cure. <i>Open Physics</i> , <b>2016</b> , 14, 508-516	1.3	3
130	Modification of stress-strain behaviour in aromatic polybenzoxazines using core shell rubbers. <i>Reactive and Functional Polymers</i> , <b>2016</b> , 103, 117-130	4.6	5
129	What are we going to do about a problem like polymer chemistry? Develop new methods of delivery to improve understanding of a demanding interdisciplinary topic. <i>Chemistry Education Research and Practice</i> , <b>2015</b> , 16, 293-301	2.1	4
128	Dramatic reductions in water uptake observed in novel POSS nanocomposites based on anhydride-cured epoxy matrix resins. <i>Materials Today Communications</i> , <b>2015</b> , 4, 186-198	2.5	6
127	Developing toughened aromatic polybenzoxazines using thermoplastic oligomers and telechelics, part 1: Preparation and characterization of the functionalized oligomers. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	2

126	Low temperature growth of carbon nanotubes on carbon fibre to create a highly networked fuzzy fibre reinforced composite with superior electrical conductivity. <i>Carbon</i> , <b>2014</b> , 74, 319-328	10.4	60
125	At the Limits of Simulation: A New Method to Predict Thermal Degradation Behavior in Cyanate Esters and Nanocomposites Using Molecular Dynamics Simulation. <i>Macromolecular Theory and Simulations</i> , <b>2014</b> , 23, 369-372	1.5	2
124	Toughening Mechanisms in Aromatic Polybenzoxazines Using Thermoplastic Oligomers and Telechelics. <i>Macromolecules</i> , <b>2014</b> , 47, 1946-1958	5.5	25
123	Towards the rational design of polymers using molecular simulation: Predicting the effect of cure schedule on thermo-mechanical properties for a cycloaliphatic amine-cured epoxy resin. <i>Reactive and Functional Polymers</i> , <b>2014</b> , 74, 1-15	4.6	12
122	Studying structure-property relationships in oligomeric engineering thermoplastics by controlled preparation of low molecular weight polymers. <i>Reactive and Functional Polymers</i> , <b>2014</b> , 81, 22-32	4.6	2
121	Kinetics and Cure Mechanism in Aromatic Polybenzoxazines Modified Using Thermoplastic Oligomers and Telechelics. <i>Macromolecules</i> , <b>2014</b> , 47, 1935-1945	5.5	13
120	Studying the effect of the chloral group on the thermal and physical properties of aromatic cyanate esters. <i>Polymer Degradation and Stability</i> , <b>2014</b> , 110, 435-446	4.7	8
119	Examining the preparation and characterization of coatings based on linear aromatic terpoly(methoxy-cyanurate-thiocyanurate)s. <i>Polymer International</i> , <b>2014</b> , 63, 60-71	3.3	
118	Examining the kinetics of the thermal polymerization of commercial aromatic bis-benzoxazines. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 2068-2081	2.5	4
117	Examining the Initiation of the Polymerization Mechanism and Network Development in Aromatic Polybenzoxazines. <i>Macromolecules</i> , <b>2013</b> , 46, 5117-5132	5.5	52
116	Low surface free energy cyanate ester-silica hybrid (CE/SiO <sub>2</sub> ) nanomaterials for low k dielectric applications. <i>RSC Advances</i> , <b>2013</b> , 3, 12915	3.7	39
115	Examining structure property relationships in coatings based on substituted linear aromatic polycyanurates. <i>Reactive and Functional Polymers</i> , <b>2013</b> , 73, 1046-1057	4.6	3
114	New Method To Predict the Thermal Degradation Behavior of Polybenzoxazines from Empirical Data Using Structure Property Relationships. <i>Macromolecules</i> , <b>2013</b> , 46, 7605-7615	5.5	36
113	Using POSS reagents to reduce hydrophobic character in polypropylene nanocomposites. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 12971	13	13
112	Effects of thermal history on the polymerisation mechanism and network development in aromatic polybenzoxazines. <i>Reactive and Functional Polymers</i> , <b>2013</b> , 73, 1612-1624	4.6	5
111	Designing thermoplastic oligomers with programmed degradation mechanisms using a combined empirical and simulation approach. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 829-838	4.7	4
110	Using QSPR techniques to predict char yield arising from the thermal degradation of polybenzoxazines. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 446-452	4.7	7
109	Examining thermal stability and structure property relationships in coatings based on linear aromatic poly(methoxy-thiocyanurate)s. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 2201-2207	4.7	1

108	A systematic examination of colour development in synthetic ultramarine according to historical methods. <i>PLoS ONE</i> , <b>2013</b> , 8, e50364	3.7	4
107	Using combined computational techniques to predict the glass transition temperatures of aromatic polybenzoxazines. <i>PLoS ONE</i> , <b>2013</b> , 8, e53367	3.7	13
106	Prediction of selected physical and mechanical properties of a telechelic polybenzoxazine by molecular simulation. <i>PLoS ONE</i> , <b>2013</b> , 8, e61179	3.7	7
105	Studying the co-reaction of propenyl-substituted cyanate ester-bismaleimide blends using model compounds. <i>Reactive and Functional Polymers</i> , <b>2012</b> , 72, 279-286	4.6	12
104	Studies of polycyanurates based on phenoxy-substituted cyclic phosphazenes: Synthesis of the monomer and a preliminary study of its thermal properties in binary blends. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 679-689	4.7	10
103	Examining the thermo-mechanical properties of novel cyanate ester blends through empirical measurement and simulation. <i>Reactive and Functional Polymers</i> , <b>2012</b> , 72, 596-605	4.6	16
102	Systematic examination of thermal, mechanical and dielectrical properties of aromatic polybenzoxazines. <i>Reactive and Functional Polymers</i> , <b>2012</b> , 72, 736-744	4.6	24
101	The effect of pH on the functionalization of nylon fabric with carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 84-90	1.3	3
100	Solving the problem of building models of crosslinked polymers: an example focussing on validation of the properties of crosslinked epoxy resins. <i>PLoS ONE</i> , <b>2012</b> , 7, e42928	3.7	20
99	Quantifying the effect of polymer blending through molecular modelling of cyanurate polymers. <i>PLoS ONE</i> , <b>2012</b> , 7, e44487	3.7	5
98	The use of thermosets in aerospace applications <b>2012</b> , 189-227		12
97	Predicting glass transition temperatures of polyarylethersulphones using QSPR methods. <i>PLoS ONE</i> , <b>2012</b> , 7, e38424	3.7	5
96	Using Molecular Simulation to Predict the Physical and Mechanical Properties of Polybenzoxazines <b>2011</b> , 127-142		6
95	Antimicrobial and anticancer efficacy of antineoplastic agent capped gold nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , <b>2010</b> , 6, 129-37	4	17
94	Simulation of the free energy of mixing for blend components in a new family of flexible polycyanurates. <i>Polymer</i> , <b>2010</b> , 51, 5857-5868	3.9	4
93	Octasilsesquioxane-reinforced DGEBA and TGDDM epoxy nanocomposites: Characterization of thermal, dielectric and morphological properties. <i>Acta Materialia</i> , <b>2010</b> , 58, 3345-3356	8.4	86
92	Examination of the Thermal and Thermomechanical Behavior of Novel Cyanate Ester Homopolymers and Blends with Low Coefficients of Thermal Expansion. <i>Macromolecules</i> , <b>2009</b> , 42, 7718-7735	5.5	18
91	Synthesis and Characterization of a POSS-Maleimide Precursor for Hybrid Nanocomposites. <i>High Performance Polymers</i> , <b>2008</b> , 20, 67-85	1.6	23



90	Validating software and force fields for predicting the mechanical and physical properties of poly(bisbenzoxazine)s. <i>Molecular Simulation</i> , <b>2008</b> , 34, 1259-1266	2	12
89	Nanocatalysts impregnated polythiophene electrodes for the electrooxidation of formic acid. <i>Applied Catalysis B: Environmental</i> , <b>2007</b> , 73, 172-179	21.8	56
88	Developing poly(bis-benzoxazines) with improved fracture toughness. 1: Using molecular simulation to determine and predict structure-property relationships. <i>Reactive and Functional Polymers</i> , <b>2006</b> , 66, 21-39	4.6	23
87	The development of controllable complex curing agents for epoxy resins. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 255-265		9
86	Analytical detection and biological assay of antileukemic drug using gold nanoparticles. <i>Electrochimica Acta</i> , <b>2006</b> , 52, 1152-1160	6.7	17
85	Developing predictive models for polycyanurates through a comparative study of molecular simulation and empirical thermo-mechanical data. <i>Polymer</i> , <b>2006</b> , 47, 690-698	3.9	32
84	Electrocatalytic properties of monometallic and bimetallic nanoparticles-incorporated polypyrrole films for electro-oxidation of methanol. <i>Journal of Power Sources</i> , <b>2006</b> , 160, 940-948	8.9	66
83	Hydrotreating Catalysts and Processes <b>2005</b> , 1357-1365		
82	Inverse Gas Chromatography Characterization of Carbon Fiber Surfaces - Effects of Applied Surface Treatment. <i>High Performance Polymers</i> , <b>2005</b> , 17, 561-574	1.6	3
81	N-(2-biphenylenyl)-4-[2'-phenylethynyl] phthalimide: 2. Detailed study of the monomer cure and properties of the resulting polymer. <i>Polymer International</i> , <b>2004</b> , 53, 877-884	3.3	
80	Studies on a dicyanate containing four phenylene rings and polycyanurate copolymers. 3. Application of mathematical models to determine the kinetics of the thermal degradation processes. <i>Polymer</i> , <b>2004</b> , 45, 2193-2199	3.9	11
79	Developing improved models of oxidatively treated carbon fibre surfaces, using molecular simulation. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2004</b> , 35, 1161-1173	8.4	19
78	A Novel Phenylethynyl-terminated Siloxane: Synthesis and Electron Beam Cure. <i>High Performance Polymers</i> , <b>2003</b> , 15, 143-154	1.6	1
77	New force-field parameters for molecular simulations of s-triazine and cyanurate-containing systems. 2. Application and comparison with different simulation methods. <i>Polymer</i> , <b>2003</b> , 44, 793-799	3.9	13
76	Synthesis and characterisation of novel methyl methacrylate-2-(dimethylamino)ethyl methacrylate copolymer salts containing polymerisable anions. <i>Polymer</i> , <b>2003</b> , 44, 3775-3784	3.9	10
75	Studies on a dicyanate containing four phenylene rings and polycyanurate blends. 2. Application of mathematical models to the catalysed polymerization process. <i>Polymer</i> , <b>2003</b> , 44, 4839-4852	3.9	18
74	The development of controllable complex curing agents for epoxy resins. II. Examining the dissociation and thermal behavior of transition metal-diamine complex-epoxy blends. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 84, 2411-2424	2.9	18
73	Stability of various metalloporphyrin catalysts during hydrogen peroxide epoxidation of alkene. <i>Journal of Molecular Catalysis A</i> , <b>2002</b> , 185, 25-31		69



72	N-(2-biphenylenyl)-4-[2'-phenylethynyl]phthalimide new monomer synthesis, cure and thermal properties of resulting high temperature polymer. <i>Polymer</i> , <b>2002</b> , 43, 1717-1725	3.9	8
71	Multivariate analysis of spectra of cyanate ester/bismaleimide blends and correlations with properties. <i>Polymer</i> , <b>2002</b> , 43, 3381-3386	3.9	32
70	Modelling the structural and physicomechanical properties of substituted poly(p-phenylene)s using molecular mechanical and molecular orbital methods. <i>Polymer</i> , <b>2002</b> , 43, 4103-4110	3.9	5
69	Conformational studies of polycyanurates: a study of internal stress versus molecular structure. <i>Polymer</i> , <b>2002</b> , 43, 4599-4604	3.9	22
68	Studies on a dicyanate containing four phenylene rings and polycyanurate blends. 1. Synthesis and polymerization of the monomers and characterization of the polymer blends using thermal and mechanical methods. <i>Polymer</i> , <b>2002</b> , 43, 5737-5748	3.9	13
67	Recent developments in the chemistry of halogen-free flame retardant polymers. <i>Progress in Polymer Science</i> , <b>2002</b> , 27, 1661-1712	29.6	1226
66	Metals and coordination compounds as modifiers for epoxy resins. <i>Coordination Chemistry Reviews</i> , <b>2002</b> , 224, 67-85	23.2	55
65	The development of novel functionalised aryl cyanate esters. Part 2. Mechanical properties of the polymers and composites. <i>Polymer</i> , <b>2001</b> , 42, 2307-2319	3.9	26
64	Evidence for parallel destructive, and competitive epoxidation and dismutation pathways in metalloporphyrin-catalysed alkene oxidation by hydrogen peroxide. <i>Tetrahedron</i> , <b>2001</b> , 57, 6847-6853	2.4	38
63	Assessment of two methods for application in the prediction of the infrared spectra of polymers. <i>Computational and Theoretical Polymer Science</i> , <b>2001</b> , 11, 287-302		2
62	New force-field parameters for use in molecular simulations of s-triazine and cyanurate-containing systems. 1 Derivation and molecular structure synopsis. <i>Computational and Theoretical Polymer Science</i> , <b>2001</b> , 11, 467-473		9
61	Water uptake effects in resins based on alkenyl-modified cyanate ester/bismaleimide blends. <i>Polymer International</i> , <b>2001</b> , 50, 475-483	3.3	29
60	Synthesis and characterization of functionalized thermoplastics as reactive modifiers for bismaleimide resins. <i>Polymer International</i> , <b>2001</b> , 50, 1309-1317	3.3	13
59	The development of controllable complex curing agents for epoxy resins. I. Preparation, characterization, and storage behavior of transition metal/diamine complexes. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 80, 1489-1503	2.9	21
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