

# Ian Hamerton

## List of Publications by Year in descending order

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200  
papers

5,690  
citations

117625

34  
h-index

102487

66  
g-index

203  
all docs

203  
docs citations

203  
times ranked

4252  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the natural selection of high performance polymers. <i>Arkivoc</i> , 2022, 2021, 45-58.	0.5	6
2	AutoMapper: A python tool for accelerating the polymer bonding workflow in LAMMPS. <i>Computational Materials Science</i> , 2022, 205, 111204.	3.0	1
3	Life Cycle Assessment of the High Performance Discontinuous Fibre (HiPerDiF) Technology and Its Operation in Various Countries. <i>Sustainability</i> , 2022, 14, 1922.	3.2	4
4	Recycling of fiber reinforced thermosetting composites. , 2021, , 561-595.		6
5	A Life Cycle Engineering Perspective on Biocomposites as a Solution for a Sustainable Recovery. <i>Sustainability</i> , 2021, 13, 1160.	3.2	56
6	SPH Simulation for Short Fibre Recycling Using Water Jet Alignment. <i>International Journal of Computational Fluid Dynamics</i> , 2021, 35, 129-142.	1.2	3
7	Natural Fibres as a Sustainable Reinforcement Constituent in Aligned Discontinuous Polymer Composites Produced by the HiPerDiF Method. <i>Materials</i> , 2021, 14, 1885.	2.9	12
8	An automated in-situ polymerisation procedure for multi-functional cyanate ester resins via ring formation. <i>Polymer</i> , 2021, 228, 123938.	3.8	4
9	Batch production and fused filament fabrication of highly aligned discontinuous fibre thermoplastic filaments. <i>Additive Manufacturing</i> , 2021, 48, 102359.	3.0	4
10	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> , 2021, 7, 3032-3049.	7.8	16
11	Fused Deposition Modelling of Fibre Reinforced Polymer Composites: A Parametric Review. <i>Journal of Composites Science</i> , 2021, 5, 29.	3.0	69
12	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> , 2020, 184, 107665.	12.0	79
13	Experimental characterisation and micromechanical models for luminescent phosphors incorporated with nonwoven veil-polymer composites. <i>Composites Part B: Engineering</i> , 2020, 202, 108444.	12.0	4
14	Measurement of the glass transition temperature of an epoxy resin using principal components of Raman spectra. <i>Composites Part B: Engineering</i> , 2020, 200, 108210.	12.0	7
15	Characterisation of Natural Fibres for Sustainable Discontinuous Fibre Composite Materials. <i>Materials</i> , 2020, 13, 2129.	2.9	49
16	Pseudo-ductile behaviour in fibre reinforced thermoplastic angle-ply composites. <i>Composites Science and Technology</i> , 2020, 197, 108261.	7.8	7
17	Remanufacturing of Woven Carbon Fibre Fabric Production Waste into High Performance Aligned Discontinuous Fibre Composites. <i>Journal of Composites Science</i> , 2020, 4, 68.	3.0	20
18	Improving Dispersion of Recycled Discontinuous Carbon Fibres to Increase Fibre Throughput in the HiPerDiF Process. <i>Materials</i> , 2020, 13, 1544.	2.9	8

#	ARTICLE	IF	CITATIONS
19	A Novel Approach to Atomistic Molecular Dynamics Simulation of Phenolic Resins Using Symthons. <i>Polymers</i> , 2020, 12, 926.	4.5	3
20	Validation of a smoothed particle hydrodynamics model for a highly aligned discontinuous fibre composites manufacturing process. <i>Composites Science and Technology</i> , 2020, 196, 108152.	7.8	7
21	Development of Cycloaliphatic Epoxy-POSS Nanocomposite Matrices with Enhanced Resistance to Atomic Oxygen. <i>Molecules</i> , 2020, 25, 1483.	3.8	18
22	Quasi-Isotropic and Pseudo-Ductile Highly Aligned Discontinuous Fibre Composites Manufactured with the HiPerDiF (High Performance Discontinuous Fibre) Technology. <i>Materials</i> , 2019, 12, 1794.	2.9	27
23	Examining the thermal degradation behaviour of a series of cyanate ester homopolymers. <i>Polymer International</i> , 2019, 68, 1666-1672.	3.1	4
24	Reactive Molecular Dynamics Study of the Thermal Decomposition of Phenolic Resins. <i>Journal of Composites Science</i> , 2019, 3, 32.	3.0	15
25	Delivering interlaminar reinforcement in composites through electrospun nanofibres. <i>Advanced Manufacturing: Polymer and Composites Science</i> , 2019, 5, 155-171.	0.4	4
26	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> , 2019, 144, 104353.	4.1	5
27	A closed-loop recycling process for discontinuous carbon fibre polyamide 6 composites. <i>Composites Part B: Engineering</i> , 2019, 179, 107418.	12.0	41
28	Atomic oxygen degradation mechanisms of epoxy composites for space applications. <i>Polymer Degradation and Stability</i> , 2019, 166, 108-120.	5.8	32
29	Examining the Influence of Anion Nucleophilicity on the Polymerisation Initiation Mechanism of Phenyl Glycidyl Ether. <i>Polymers</i> , 2019, 11, 657.	4.5	10
30	Radiation-grafted cation-exchange membranes: an initial <i>in situ</i> feasibility study into their potential use in reverse electrodialysis. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1682-1692.	4.9	14
31	Liquid Processable, Thermally Stable, Hydrophobic Phenolic Triazine Resins for Advanced Composite Applications. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1458-1465.	4.4	8
32	Development of epoxy-cyanate ester-clay nanocomposites offering enhanced thermally stability. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47754.	2.6	19
33	Matrix-graded and fibre-steered composites to tackle stress concentrations. <i>Composite Structures</i> , 2019, 207, 72-80.	5.8	15
34	Examining the Influence of Organophosphorus Flame Retardants on the Thermal Behavior of Aromatic Polybenzoxazines. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800282.	2.2	5
35	On the use of benzaldehyde to improve the storage stability of one-pot, epoxy ionic liquid formulations. <i>European Polymer Journal</i> , 2019, 112, 126-136.	5.4	7
36	Methods for process-related resin selection and optimisation in high-pressure resin transfer moulding. <i>Materials Science and Technology</i> , 2019, 35, 327-335.	1.6	8

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37	Developing toughened bismaleimide-clay nanocomposites: Comparing the use of platelet and rod-like nanoclays. <i>Reactive and Functional Polymers</i> , 2019, 134, 10-21.	4.1	9
38	(Invited) Low Ionic Resistance Radiation-Grafted Cation- and Anion-Exchange Membranes for Reverse Electrodialysis (salinity gradient power) Application: Cross-Linking Is Essential for High Permselectivities.. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
39	Investigating the mechanism through which ionic liquids initiate the polymerisation of epoxy resins. <i>Polymer</i> , 2018, 139, 163-176.	3.8	49
40	Synthesis and characterization of organosoluble radiation-resistant composite materials from octa(maleimidophenyl)silsesquioxane and aryldiamines. <i>Polymers for Advanced Technologies</i> , 2018, 29, 1261-1270.	3.2	0
41	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> , 2018, 663, 19-26.	2.7	14
42	Development of a closed-loop recycling process for discontinuous carbon fibre polypropylene composites. <i>Composites Part B: Engineering</i> , 2018, 146, 222-231.	12.0	66
43	Analysis of atomic oxygen and ultraviolet exposure effects on cycloaliphatic epoxy resins reinforced with octa-functional POSS. <i>Acta Astronautica</i> , 2018, 142, 103-111.	3.2	18
44	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> , 2018, 129, 129-137.	4.1	4
45	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> , 2018, 129, 95-102.	4.1	9
46	Cycloaliphatic epoxy-based hybrid nanocomposites reinforced with POSS or nanosilica for improved environmental stability in low Earth orbit. <i>Composites Part B: Engineering</i> , 2018, 138, 66-76.	12.0	30
47	Reclaimed Carbon and Flax Fibre Composites: Manufacturing and Mechanical Properties. <i>Recycling</i> , 2018, 3, 52.	5.0	33
48	Phoenix polymers™: fire induced nanohardness in fibril-forming aromatic cyanate esters. <i>RSC Advances</i> , 2018, 8, 36264-36271.	3.6	1
49	Exploring Structure-Property Relationships in Aromatic Polybenzoxazines Through Molecular Simulation. <i>Polymers</i> , 2018, 10, 1250.	4.5	6
50	Examining the effects of storage on the initiation behaviour of ionic liquids towards the cure of epoxy resins. <i>Reactive and Functional Polymers</i> , 2018, 133, 9-20.	4.1	19
51	Exploring the thermal degradation mechanisms of some polybenzoxazines under ballistic heating conditions in helium and air. <i>Polymer Degradation and Stability</i> , 2018, 156, 180-192.	5.8	1
52	The use of thermosets in modern aerospace applications. , 2018, , 303-340.		13
53	Examining the nature of network formation during epoxy polymerisation initiated with ionic liquids. <i>Polymer</i> , 2018, 150, 318-325.	3.8	11
54	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> , 2018, 4, 48-55.	0.4	11

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55	Modern Developments Using Molecular Simulation to Predict the Physical and Mechanical Properties of Polybenzoxazines. , 2017, , 111-129.		0
56	Predictive Methodology and Properties of Polybenzoxazines. , 2017, , 131-145.		0
57	Modern advances in bismaleimide resin technology: A 21st century perspective on the chemistry of addition polyimides. Progress in Polymer Science, 2017, 69, 1-21.	24.7	203
58	Water-based fractionation of a commercial humic acid. Solid-state and colloidal characterization of the solubility fractions. Journal of Colloid and Interface Science, 2017, 508, 28-38.	9.4	9
59	Ductility potential of brittle epoxies: Thermomechanical behaviour of plastically-deformed fully-cured composite resins. Polymer, 2017, 120, 43-51.	3.8	23
60	Developing (Quantitative Structure Property Relationships) QSPR Techniques to Predict the Char Formation of Polybenzoxazines. Polymers, 2016, 8, 166.	4.5	5
61	Examining the thermal behaviour of novel aromatic polybenzoxazine blends containing an organophosphorous compound and polyhedral oligomeric silsesquioxane reagents. Polymer International, 2016, 65, 1015-1023.	3.1	3
62	Using Molecular Simulation to Explore Unusually Low Moisture Uptake in Amine-cured Epoxy Carbon Fiber Reinforced Nanocomposites. Macromolecular Chemistry and Physics, 2016, 217, 1282-1292.	2.2	0
63	Positioning and aligning CNTs by external magnetic field to assist localised epoxy cure. Open Physics, 2016, 14, 508-516.	1.7	4
64	Modification of stress-strain behaviour in aromatic polybenzoxazines using core shell rubbers. Reactive and Functional Polymers, 2016, 103, 117-130.	4.1	9
65	Development of sizing-free multi-functional carbon fibre nanocomposites. Composites Part A: Applied Science and Manufacturing, 2016, 90, 306-319.	7.6	31
66	Multi-Functional Carbon Fibre Composites using Carbon Nanotubes as an Alternative to Polymer Sizing. Scientific Reports, 2016, 6, 37334.	3.3	76
67	Improving the hydrolytic stability of aryl cyanate esters by examining the effects of extreme environments on polycyanurate copolymers. Reactive and Functional Polymers, 2016, 109, 104-111.	4.1	3
68	Investigation of structure property relationships in liquid processible, solvent free, thermally stable bismaleimide-triazine (BT) resins. Reactive and Functional Polymers, 2016, 102, 110-118.	4.1	8
69	Examining the influence of bisphenol A on the polymerisation and network properties of an aromatic benzoxazine. Polymer, 2016, 88, 52-62.	3.8	19
70	Characterisation of commercially CVD grown multi-walled carbon nanotubes for paint applications. Progress in Organic Coatings, 2016, 90, 44-53.	3.9	77
71	Dramatic reductions in water uptake observed in novel POSS nanocomposites based on anhydride-cured epoxy matrix resins. Materials Today Communications, 2015, 4, 186-198.	1.9	6
72	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. Chemistry Education Research and Practice, 2015, 16, 293-301.	2.5	5

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73	Studying the effect of the chloral group on the thermal and physical properties of aromatic cyanate esters. <i>Polymer Degradation and Stability</i> , 2014, 110, 435-446.	5.8	8
74	Examining the preparation and characterization of coatings based on linear aromatic terpoly(methoxy-cyanurate-thiocyanurate)s. <i>Polymer International</i> , 2014, 63, 60-71.	3.1	0
75	Examining the kinetics of the thermal polymerization of commercial aromatic bisbenzoxazines. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2068-2081.	2.3	7
76	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> , 2014, 131, .	2.6	5
77	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> , 2014, 74, 319-328.	10.3	79
78	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> , 2014, 23, 369-372.	1.4	3
79	Toughening Mechanisms in Aromatic Polybenzoxazines Using Thermoplastic Oligomers and Telechelics. <i>Macromolecules</i> , 2014, 47, 1946-1958.	4.8	30
80	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> , 2014, 74, 1-15.	4.1	14
81	Studying structure-property relationships in oligomeric engineering thermoplastics by controlled preparation of low molecular weight polymers. <i>Reactive and Functional Polymers</i> , 2014, 81, 22-32.	4.1	2
82	Kinetics and Cure Mechanism in Aromatic Polybenzoxazines Modified Using Thermoplastic Oligomers and Telechelics. <i>Macromolecules</i> , 2014, 47, 1935-1945.	4.8	14
83	Examining the Initiation of the Polymerization Mechanism and Network Development in Aromatic Polybenzoxazines. <i>Macromolecules</i> , 2013, 46, 5117-5132.	4.8	65
84	Low surface free energy cyanate ester-silica hybrid (CE-SiO <sub>2</sub> ) nanomaterials for low k dielectric applications. <i>RSC Advances</i> , 2013, 3, 12915.	3.6	42
85	Examining structure property relationships in coatings based on substituted linear aromatic polycyanurates. <i>Reactive and Functional Polymers</i> , 2013, 73, 1046-1057.	4.1	3
86	New Method To Predict the Thermal Degradation Behavior of Polybenzoxazines from Empirical Data Using Structure Property Relationships. <i>Macromolecules</i> , 2013, 46, 7605-7615.	4.8	44
87	Using POSS reagents to reduce hydrophobic character in polypropylene nanocomposites. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12971.	10.3	14
88	Effects of thermal history on the polymerisation mechanism and network development in aromatic polybenzoxazines. <i>Reactive and Functional Polymers</i> , 2013, 73, 1612-1624.	4.1	6
89	Designing thermoplastic oligomers with programmed degradation mechanisms using a combined empirical and simulation approach. <i>Polymer Degradation and Stability</i> , 2013, 98, 829-838.	5.8	4
90	Using QSPR techniques to predict char yield arising from the thermal degradation of polybenzoxazines. <i>Polymer Degradation and Stability</i> , 2013, 98, 446-452.	5.8	8

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91	Examining thermal stability and structure property relationships in coatings based on linear aromatic poly(methoxy-thiocyanurate)s. <i>Polymer Degradation and Stability</i> , 2013, 98, 2201-2207.	5.8	1
92	A Systematic Examination of Colour Development in Synthetic Ultramarine According to Historical Methods. <i>PLoS ONE</i> , 2013, 8, e50364.	2.5	7
93	Using Combined Computational Techniques to Predict the Glass Transition Temperatures of Aromatic Polybenzoxazines. <i>PLoS ONE</i> , 2013, 8, e53367.	2.5	15
94	Prediction of Selected Physical and Mechanical Properties of a Telechelic Polybenzoxazine by Molecular Simulation. <i>PLoS ONE</i> , 2013, 8, e61179.	2.5	7
95	The use of thermosets in aerospace applications. , 2012, , 189-227.		19
96	Examining the thermo-mechanical properties of novel cyanate ester blends through empirical measurement and simulation. <i>Reactive and Functional Polymers</i> , 2012, 72, 596-605.	4.1	18
97	Systematic examination of thermal, mechanical and dielectrical properties of aromatic polybenzoxazines. <i>Reactive and Functional Polymers</i> , 2012, 72, 736-744.	4.1	30
98	The Effect of pH on the Functionalization of Nylon Fabric with Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 84-90.	0.9	3
99	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> , 2012, 7, e42928.	2.5	23
100	Quantifying the Effect of Polymer Blending through Molecular Modelling of Cyanurate Polymers. <i>PLoS ONE</i> , 2012, 7, e44487.	2.5	8
101	Studying the co-reaction of propenyl-substituted cyanate ester-bismaleimide blends using model compounds. <i>Reactive and Functional Polymers</i> , 2012, 72, 279-286.	4.1	13
102	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> , 2012, 97, 679-689.	5.8	10
103	Predicting Glass Transition Temperatures of Polyarylethersulphones Using QSPR Methods. <i>PLoS ONE</i> , 2012, 7, e38424.	2.5	6
104	Using Molecular Simulation to Predict the Physical and Mechanical Properties of Polybenzoxazines. , 2011, , 127-142.		21
105	Simulation of the free energy of mixing for blend components in a new family of flexible polycyanurates. <i>Polymer</i> , 2010, 51, 5857-5868.	3.8	5
106	Octasilsesquioxane-reinforced DGEBA and TGDDM epoxy nanocomposites: Characterization of thermal, dielectric and morphological properties. <i>Acta Materialia</i> , 2010, 58, 3345-3356.	7.9	94
107	Antimicrobial and Anticancer Efficacy of Antineoplastic Agent Capped Gold Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2010, 6, 129-137.	1.1	19
108	Examination of the Thermal and Thermomechanical Behavior of Novel Cyanate Ester Homopolymers and Blends with Low Coefficients of Thermal Expansion. <i>Macromolecules</i> , 2009, 42, 7718-7735.	4.8	21

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109	Synthesis and Characterization of a POSS-Maleimide Precursor for Hybrid Nanocomposites. High Performance Polymers, 2008, 20, 67-85.	1.8	28
110	Validating software and force fields for predicting the mechanical and physical properties of poly(bisbenzoxazine)s. Molecular Simulation, 2008, 34, 1259-1266.	2.0	13
111	Nanocatalysts impregnated polythiophene electrodes for the electrooxidation of formic acid. Applied Catalysis B: Environmental, 2007, 73, 172-179.	20.2	63
112	The development of controllable complex curing agents for epoxy resins : Part 3. An investigation of the shelf life and thermal dissociation behaviour of bis(acetanilido)-tris(acetato)docuprate(ii). Journal of Materials Chemistry, 2006, 16, 255-265.	6.7	11
113	Analytical detection and biological assay of antileukemic drug using gold nanoparticles. Electrochimica Acta, 2006, 52, 1152-1160.	5.2	22
114	Developing predictive models for polycyanurates through a comparative study of molecular simulation and empirical thermo-mechanical data. Polymer, 2006, 47, 690-698.	3.8	34
115	Electrocatalytic properties of monometallic and bimetallic nanoparticles-incorporated polypyrrole films for electro-oxidation of methanol. Journal of Power Sources, 2006, 160, 940-948.	7.8	68
116	Developing poly(bis-benzoxazines) with improved fracture toughness. 1: Using molecular simulation to determine and predict structure-property relationships. Reactive and Functional Polymers, 2006, 66, 21-39.	4.1	23
117	Hydrotreating Catalysts and Processes. , 2005, , 1357-1365.		0
118	Inverse Gas Chromatography Characterization of Carbon Fiber Surfaces - Effects of Applied Surface Treatment. High Performance Polymers, 2005, 17, 561-574.	1.8	4
119	N-(2-biphenylenyl)-4-[2-phenylethynyl] phthalimide: 2. Detailed study of the monomer cure and properties of the resulting polymer. Polymer International, 2004, 53, 877-884.	3.1	0
120	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. Polymer, 2004, 45, 2193-2199.	3.8	12
121	Developing improved models of oxidatively treated carbon fibre surfaces, using molecular simulation. Composites Part A: Applied Science and Manufacturing, 2004, 35, 1161-1173.	7.6	22
122	New force-field parameters for molecular simulations of s-triazine and cyanurate-containing systems. Application and comparison with different simulation methods. Polymer, 2003, 44, 793-799.	3.8	14
123	Synthesis and characterisation of novel methyl methacrylate-2-(dimethylamino)ethyl methacrylate copolymer salts containing polymerisable anions. Polymer, 2003, 44, 3775-3784.	3.8	11
124	Studies on a dicyanate containing four phenylene rings and polycyanurate blends. 2. Application of mathematical models to the catalysed polymerization process. Polymer, 2003, 44, 4839-4852.	3.8	18
125	A Novel Phenylethynyl-terminated Siloxane: Synthesis and Electron Beam Cure. High Performance Polymers, 2003, 15, 143-154.	1.8	2
126	The development of controllable complex curing agents for epoxy resins. II. Examining the dissociation and thermal behavior of transition metal-diamine complex-epoxy blends. Journal of Applied Polymer Science, 2002, 84, 2411-2424.	2.6	20



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127	Stability of various metalloporphyrin catalysts during hydrogen peroxide epoxidation of alkene. <i>Journal of Molecular Catalysis A</i> , 2002, 185, 25-31.	4.8	77
128	N-(2-biphenylenyl)-4-[2-phenylethynyl]phthalimide—new monomer synthesis, cure and thermal properties of resulting high temperature polymer. <i>Polymer</i> , 2002, 43, 1717-1725.	3.8	8
129	Multivariate analysis of spectra of cyanate ester/bismaleimide blends and correlations with properties. <i>Polymer</i> , 2002, 43, 3381-3386.	3.8	33
130	Modelling the structural and physicomechanical properties of substituted poly(p-phenylene)s using molecular mechanical and molecular orbital methods. <i>Polymer</i> , 2002, 43, 4103-4110.	3.8	5
131	Conformational studies of polycyanurates: a study of internal stress versus molecular structure. <i>Polymer</i> , 2002, 43, 4599-4604.	3.8	22
132	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> , 2002, 43, 5737-5748.	3.8	15
133	Recent developments in the chemistry of halogen-free flame retardant polymers. <i>Progress in Polymer Science</i> , 2002, 27, 1661-1712.	24.7	1,377
134	Metals and coordination compounds as modifiers for epoxy resins. <i>Coordination Chemistry Reviews</i> , 2002, 224, 67-85.	18.8	66
135	The development of novel functionalised aryl cyanate esters. Part 2. Mechanical properties of the polymers and composites. <i>Polymer</i> , 2001, 42, 2307-2319.	3.8	29
136	Evidence for parallel destructive, and competitive epoxidation and dismutation pathways in metalloporphyrin-catalysed alkene oxidation by hydrogen peroxide. <i>Tetrahedron</i> , 2001, 57, 6847-6853.	1.9	40
137	Assessment of two methods for application in the prediction of the infrared spectra of polymers. <i>Computational and Theoretical Polymer Science</i> , 2001, 11, 287-302.	1.1	2
138	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> , 2001, 11, 467-473.	1.1	9
139	Water uptake effects in resins based on alkenyl-modified cyanate ester-bismaleimide blends. <i>Polymer International</i> , 2001, 50, 475-483.	3.1	30
140	Synthesis and characterization of functionalized thermoplastics as reactive modifiers for bismaleimide resins. <i>Polymer International</i> , 2001, 50, 1309-1317.	3.1	13
141	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> , 2001, 80, 1489-1503.	2.6	23
142	Preparation, characterization, and thermal properties of controllable metal-imidazole complex curing agents for epoxy resins. <i>Journal of Applied Polymer Science</i> , 2000, 75, 201-217.	2.6	30
143	Compatible poly(vinyl chloride)/chlorinated polyurethane blends: thermal characteristics. <i>European Polymer Journal</i> , 2000, 36, 171-181.	5.4	42
144	A study of the polymerization of novel cyanate ester/acrylate blends. <i>Polymer</i> , 2000, 41, 1647-1656.	3.8	26

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145	Double cantilever beam testing of repaired carbon fibre composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2000, 31, 603-608.	7.6	26
146	Radiochemical studies of the leaching of primary scintillator molecules from within sol-gel glasses. <i>Journal of Materials Chemistry</i> , 2000, 10, 1761-1764.	6.7	0
147	Covalent Incorporation of 2,5-Diphenyloxazole in Sol-gel Matrices and Their Application in Radioanalytical Chemistry. <i>Chemistry of Materials</i> , 2000, 12, 568-572.	6.7	21
148	A new synthetic route for the preparation of alkenyl functionalized aryl cyanate ester monomers. <i>Polymer</i> , 1999, 40, 5421-5427.	3.8	12
149	Computer modelling and chemical kinetics of the cure of aerospace resin systems. <i>Aircraft Engineering and Aerospace Technology</i> , 1999, 71, 470-478.	0.8	3
150	Recent developments in the chemistry of cyanate esters. <i>Polymer International</i> , 1998, 47, 465-473.	3.1	118
151	The computer modelling and the chemical kinetics of the rate of cure of epoxy resins. <i>Journal of Coatings Technology and Research</i> , 1998, 81, 68-71.	0.2	5
152	TGA/FTi.r. studies on the thermal stability of poly(vinyl chloride) blends with a novel colourant and stabilizer: 3-(2,4-dichlorophenylazo)-9-(2,3-epoxypropane)carbazole. <i>Polymer</i> , 1998, 39, 241-244.	3.8	20
153	Studies of cure schedule and final property relationships of a commercial epoxy resin using modified imidazole curing agents. <i>Polymer</i> , 1998, 39, 1929-1937.	3.8	88
154	Theoretical studies of conducting polymers based on substituted polypyrroles. <i>Computational and Theoretical Polymer Science</i> , 1998, 8, 265-271.	1.1	19
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