

# Russell J Varley

## 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.

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|--------------------|-------------------------|----------------|-----------------|
| 119<br>papers      | 4,519<br>citations      | 37<br>h-index  | 65<br>g-index   |
| 123<br>ext. papers | 5,115<br>ext. citations | 4.8<br>avg, IF | 5.76<br>L-index |

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 119 | Investigation of the processability, thermal, mechanical and flame retardant properties of bisoxazoline composites. <i>Composites Part B: Engineering</i> , <b>2022</b> , 232, 109629                       | 10   | 0         |
| 118 | Continuous, pilot-scale production of carbon fiber from a textile grade PAN polymer. <i>Materials Today Communications</i> , <b>2022</b> , 31, 103231   | 2.5  | 0         |
| 117 | Enhancement of ionic conduction and mechanical properties for all-solid-state polymer electrolyte systems through ionic and physical bonding. <i>Materials Today Chemistry</i> , <b>2022</b> , 23, 100663   | 6.2  | 0         |
| 116 | Fire-retardant unsaturated polyester thermosets: The state-of-the-art, challenges and opportunities. <i>Chemical Engineering Journal</i> , <b>2022</b> , 430, 132785  | 14.7 | 12        |
| 115 | A 3D printable dynamic nanocellulose/nanochitin self-healing hydrogel and soft strain sensor. <i>Carbohydrate Polymers</i> , <b>2022</b> , 291, 119545  | 10.3 | 2         |
| 114 | Carbon fiber polypropylene interphase modification as a route to improved toughness. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2022</b> , 107001                                     | 8.4  | 1         |
| 113 | Aromatic tetra-glycidyl ether versus tetra-glycidyl amine epoxy networks: Influence of monomer structure and epoxide conversion. <i>Polymer</i> , <b>2021</b> , 124401                                      | 3.9  | 1         |
| 112 | Dynamic Nanohybrid-Polysaccharide Hydrogels for Soft Wearable Strain Sensing. <i>Sensors</i> , <b>2021</b> , 21,  | 3.8  | 6         |
| 111 | Modelling and analysis of the energy intensity in polyacrylonitrile (PAN) precursor and carbon fibre manufacturing. <i>Journal of Cleaner Production</i> , <b>2021</b> , 303, 127105                        | 10.3 | 7         |
| 110 | The role of $\beta$ -relaxations in determining the compressive properties of an epoxy amine network modified with POSS and mono-functional epoxy resins. <i>Polymer Testing</i> , <b>2021</b> , 93, 106873 | 4.5  | 3         |
| 109 | Polyaryletherketone (PAEK) thermoplastic composites via in-situ ring opening polymerisation. <i>Composites Science and Technology</i> , <b>2021</b> , 201, 108534   | 8.6  | 3         |
| 108 | Understanding the influence of key parameters on the stabilisation of cellulose-lignin composite fibres. <i>Cellulose</i> , <b>2021</b> , 28, 911-919   | 5.5  | 1         |
| 107 | Effect of boric acid on the stabilisation of cellulose-lignin filaments as precursors for carbon fibres. <i>Cellulose</i> , <b>2021</b> , 28, 729-739   | 5.5  | 4         |
| 106 | The role of $\beta$ -relaxations in controlling compressive properties in hyperbranched polymer-modified epoxy networks. <i>Polymer Journal</i> , <b>2021</b> , 53, 393-401                                 | 2.7  | 3         |
| 105 | A healable polyethylene adhesive using poly(ethylene methacrylic acid) (EMAA) for three-layer pipe coatings. <i>Multifunctional Materials</i> , <b>2021</b> , 4, 014001                                     | 5.2  |           |
| 104 | A modular LCA/LCC-modelling concept for evaluating material and process innovations in carbon fibre manufacturing. <i>Procedia CIRP</i> , <b>2021</b> , 98, 529-534   | 1.8  | 5         |
| 103 | Study of the acoustic emission response to a core-shell rubber-toughened, high-temperature composite. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 5609-5623                                     | 4.3  | 4         |

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| 102 | Investigation of the Dual Polymerization of Rapid Curing Organophosphorous Modified Epoxy/Amine Resins and Subsequent Flame Retardancy. <i>Macromolecular Chemistry and Physics</i> , <b>2021</b> , 222, 2000342   | 2.6  | 6  |
| 101 | Carbon fibre waste recycling into hybrid nonwovens for electromagnetic interference shielding and sound absorption. <i>Journal of Cleaner Production</i> , <b>2021</b> , 315, 128196   | 10.3 | 7  |
| 100 | Dynamic nanocellulose hydrogels: Recent advancements and future outlook. <i>Carbohydrate Polymers</i> , <b>2021</b> , 270, 118357  | 10.3 | 10 |
| 99  | Rational Design of Mussel-Inspired Hydrogels with Dynamic Catecholato-Metal Coordination Bonds. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e2000439  | 4.8  | 9  |
| 98  | Rapid Cross-Linking of Epoxy Thermosets Induced by Solvate Ionic Liquids. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 2651-2657  | 4.3  | 5  |
| 97  | New approaches to bonding thermoplastic and thermoset polymer composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2020</b> , 133, 105870  | 8.4  | 13 |
| 96  | Synthesis of Tri-Aryl Methane Epoxy Resin Isomers and Their Cure with Aromatic Amines. <i>Macromolecular Materials and Engineering</i> , <b>2020</b> , 305, 1900546  | 3.9  | 3  |
| 95  | Subtle variations in the structure of crosslinked epoxy networks and the impact upon mechanical and thermal properties. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48874   | 2.9  | 5  |
| 94  | Synthesis of tri-aryl ether epoxy resin isomers and their cure with diamino diphenyl sulphone. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 1410-1425   | 2.4  | 2  |
| 93  | Dynamic plant-derived polysaccharide-based hydrogels. <i>Carbohydrate Polymers</i> , <b>2020</b> , 231, 115743   | 10.3 | 30 |
| 92  | Synthesis of tri-aryl ketone amine isomers and their cure with epoxy resins. <i>Polymers for Advanced Technologies</i> , <b>2020</b> , 31, 827-837   | 3.2  | 2  |
| 91  | Double dynamic cellulose nanocomposite hydrogels with environmentally adaptive self-healing and pH-tuning properties. <i>Cellulose</i> , <b>2020</b> , 27, 1407-1422   | 5.5  | 14 |
| 90  | Water activated healing of thiolene boronic ester coatings. <i>Progress in Organic Coatings</i> , <b>2020</b> , 139, 105428  | 4.8  | 2  |
| 89  | Cellulose-lignin composite fibers as precursors for carbon fibers: Part 2 - The impact of precursor properties on carbon fibers. <i>Carbohydrate Polymers</i> , <b>2020</b> , 250, 116918  | 10.3 | 3  |
| 88  | 1D/2D Nanomaterials Synergistic, Compressible, and Response Rapidly 3D Graphene Aerogel for Piezoresistive Sensor. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003618  | 15.6 | 62 |
| 87  | Synthesis of a phosphorus-silicone modifier imparting excellent flame retardancy and improved mechanical properties to a rapid cure epoxy. <i>Reactive and Functional Polymers</i> , <b>2020</b> , 157, 104743   | 4.6  | 7  |
| 86  | Beyond the ring flip: A molecular signature of the glassRubber transition in tetrafunctional epoxy resins. <i>Polymer</i> , <b>2020</b> , 206, 122893  | 3.9  | 5  |
| 85  | Experimental and simulation study of effect of thickness on performance of (butylene adipate-co-terephthalate) and poly lactide nanocomposites incorporated with graphene as stand-alone electromagnetic interference shielding and metal-backed microwave absorbers. <i>Composites Science and Technology</i> , <b>2020</b> , 195, 108186 | 8.6  | 11 |

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| 84 | Effect of aromatic substitution on the kinetics and properties of epoxy cured tri-phenylether amines. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47383   | 2.9 | 9   |
| 83 | Effect of aromatic substitution on the cure reaction and network properties of anhydride cured triphenyl ether tetraglycidyl epoxy resins. <i>Polymers for Advanced Technologies</i> , <b>2019</b> , 30, 1525-1537 | 3.2 | 2   |
| 82 | Time Dependent Structure and Property Evolution in Fibres during Continuous Carbon Fibre Manufacturing. <i>Materials</i> , <b>2019</b> , 12,   | 3.5 | 20  |
| 81 | Understanding the Effects of In-Service Temperature and Functional Fluid on the Ageing of Silicone Rubber. <i>Polymers</i> , <b>2019</b> , 11,   | 4.5 | 7   |
| 80 | Recovery of Mode I self-healing interlaminar fracture toughness of fiber metal laminate by modified double cantilever beam test. <i>Composites Communications</i> , <b>2019</b> , 16, 25-29                        | 6.7 | 16  |
| 79 | Facile one pot synthesis of strong epoxy/agar hybrid hydrogels. <i>Journal of Polymer Research</i> , <b>2019</b> , 26, 1   | 2.7 | 2   |
| 78 | Phosphorus-Based Amino Acid Mimetic for Enhanced Flame-Retardant Properties in an Epoxy Resin. <i>Australian Journal of Chemistry</i> , <b>2019</b> , 72, 226  | 1.2 | 2   |
| 77 | Mechanical, Thermal, and Morphological Behavior of Silicone Rubber during Accelerated Aging. <i>Polymer-Plastics Technology and Engineering</i> , <b>2018</b> , 57, 1687-1696                                      |     | 35  |
| 76 | Microwave Attenuation of Graphene Modified Thermoplastic Poly(Butylene adipate--terephthalate) Nanocomposites. <i>Polymers</i> , <b>2018</b> , 10,   | 4.5 | 19  |
| 75 | In Situ SAXS Measurement and Molecular Dynamics Simulation of Magnetic Alignment of Hexagonal LLC Nanostructures. <i>Membranes</i> , <b>2018</b> , 8,  | 3.8 | 2   |
| 74 | Life Cycle Engineering of Carbon Fibres for Lightweight Structures. <i>Procedia CIRP</i> , <b>2018</b> , 69, 43-48   | 1.8 | 13  |
| 73 | Manufacturing Techniques and Surface Engineering of Polymer Based Nanoparticles for Targeted Drug Delivery to Cancer. <i>Nanomaterials</i> , <b>2016</b> , 6,  | 5.4 | 103 |
| 72 | Polymer Coatings for Oilfield Pipelines. <i>Springer Series in Materials Science</i> , <b>2016</b> , 385-428   | 0.9 | 4   |
| 71 | Poly(ethylene- co -methacrylic acid) (EMAA) as an efficient healing agent for high performance epoxy networks using diglycidyl ether of bisphenol A (DGEBA). <i>Polymer</i> , <b>2016</b> , 92, 153-163            | 3.9 | 19  |
| 70 | Adhesives performance of 3-layer PE pipe coatings: Effects of MAH loading, PE particles size, coating interval time and service temperature. <i>Progress in Organic Coatings</i> , <b>2016</b> , 99, 157-165       | 4.8 | 3   |
| 69 | Solid-state healing of resins and composites <b>2015</b> , 53-99   |     | 2   |
| 68 | An efficient healing agent for high temperature epoxy composites based upon tetra-glycidyl diamino diphenyl methane. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2015</b> , 78, 201-210       | 8.4 | 8   |
| 67 | Epoxy/Poly(ethylene-co-methacrylic acid) Blends as Thermally Activated Healing Agents in an Epoxy/Amine Network. <i>Macromolecular Materials and Engineering</i> , <b>2015</b> , 300, 70-79                        | 3.9 | 13  |

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| 66 | Effect of modification of cyclic butylene terephthalate on crystallinity and properties after ring-opening polymerisation. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 8073-8088                               | 4.3 | 7   |
| 65 | Synthesis and characterisation of new sulphur-containing epoxy networks. <i>High Performance Polymers</i> , <b>2014</b> , 26, 420-435  | 1.6 | 7   |
| 64 | Mechanical properties of mendable composites containing self-healing thermoplastic agents. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2014</b> , 65, 10-18   | 8.4 | 37  |
| 63 | Low-molecular-weight thermoplastic modifiers as effective healing agents in mendable epoxy networks. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2014</b> , 25, 107-117                             | 2.3 | 10  |
| 62 | Healing of fatigue delamination cracks in carbon/epoxy composite using mendable polymer stitching. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2014</b> , 25, 75-86                                 | 2.3 | 19  |
| 61 | Different thucleants and the resultant microstructural, fracture, and tensile properties for filled and unfilled ISO polypropylene. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 619-627                 | 2.9 | 17  |
| 60 | Thermoplastic Healing in Epoxy Networks: Exploring Performance and Mechanism of Alternative Healing Agents. <i>Macromolecular Materials and Engineering</i> , <b>2013</b> , 298, 1232-1242                                 | 3.9 | 38  |
| 59 | Effect of mendable polymer stitch density on the toughening and healing of delamination cracks in carbon/epoxy laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2013</b> , 50, 22-30            | 8.4 | 27  |
| 58 | Thermo-reversible healing in a crosslinked polymer network containing covalent and thermo-reversible bonds. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 3743-3750                                       | 2.9 | 17  |
| 57 | Effect of ionic content on ballistic self-healing in EMAA copolymers and ionomers. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 4910  | 4.9 | 105 |
| 56 | Healing of carbon fibre/epoxy composites using thermoplastic additives. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 5007   | 4.9 | 50  |
| 55 | The effect of surface treatments on the mechanical properties of basalt-reinforced epoxy composites. <i>Polymer Composites</i> , <b>2013</b> , 34, 320-329   | 3   | 38  |
| 54 | Confirmation of the healing mechanism in a mendable EMAA/epoxy resin. <i>European Polymer Journal</i> , <b>2012</b> , 48, 524-531  | 5.2 | 53  |
| 53 | Self-healing of delamination fatigue cracks in carbon fibre/epoxy laminate using mendable thermoplastic. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 4449-4456   | 4.3 | 53  |
| 52 | Investigation of factors impacting the in-service degradation of aerospace coatings. <i>Progress in Organic Coatings</i> , <b>2012</b> , 74, 679-686   | 4.8 | 13  |
| 51 | EMAA as a healing agent for mendable high temperature epoxy amine thermosets. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2012</b> , 43, 1073-1080  | 8.4 | 16  |
| 50 | Self-healing of delamination cracks in mendable epoxy matrix laminates using poly[ethylene-co-(methacrylic acid)] thermoplastic. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2012</b> , 43, 1301-1307 | 8.4 | 72  |
| 49 | Phosphorus intercalation of halloysite nanotubes for enhanced fire properties of polyamide 6. <i>Polymers for Advanced Technologies</i> , <b>2012</b> , 23, 1564-1571  | 3.2 | 32  |

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| 48 | Thermally activated healing in a mendable resin using a non woven EMAA fabric. <i>Composites Science and Technology</i> , <b>2012</b> , 72, 453-460   | 8.6  | 35  |
| 47 | Designing green, self-healing coatings for metal protection. <i>NPG Asia Materials</i> , <b>2010</b> , 2, 143-151   | 10.3 | 159 |
| 46 | Biocompatibility and modification of the protein-based adhesive secreted by the Australian frog <i>Notaden bennetti</i> . <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 93, 429-41 | 5.4  | 8   |
| 45 | The effect of cluster plasticisation on the self healing behaviour of ionomers. <i>Polymer</i> , <b>2010</b> , 51, 679-686  | 5.9  | 99  |
| 44 | Autonomous damage initiated healing in a thermo-responsive ionomer. <i>Polymer International</i> , <b>2010</b> , 59, n/a-n/a  | 3.3  | 12  |
| 43 | Preparation and characterisation of polyamide/polyimide organoclay nanocomposites. <i>Polymer International</i> , <b>2008</b> , 57, 618-625   | 3.3  | 12  |
| 42 | Development of a quasi-static test method to investigate the origin of self-healing in ionomers under ballistic conditions. <i>Polymer Testing</i> , <b>2008</b> , 27, 11-19                                  | 4.5  | 93  |
| 41 | Understanding the effect of nano-modifier addition upon the properties of fibre reinforced laminates. <i>Composites Science and Technology</i> , <b>2008</b> , 68, 718-726                                    | 8.6  | 74  |
| 40 | The role of nanodispersion on the fire performance of organoclay/polyamide nanocomposites. <i>Composites Science and Technology</i> , <b>2008</b> , 68, 2882-2891   | 8.6  | 16  |
| 39 | Towards an understanding of thermally activated self-healing of an ionomer system during ballistic penetration. <i>Acta Materialia</i> , <b>2008</b> , 56, 5737-5750  | 8.4  | 210 |
| 38 | Moisture induced crack filling in barrier coatings containing montmorillonite as an expandable phase. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 3346-3353                                   | 4.4  | 36  |
| 37 | Ionomers as Self Healing Polymers. <i>Springer Series in Materials Science</i> , <b>2007</b> , 95-114   | 0.9  | 13  |
| 36 | Reaction Kinetics and Phase Transformations During Cure of a Thermoplastic-Modified Epoxy Thermoset. <i>Macromolecular Materials and Engineering</i> , <b>2007</b> , 292, 46-61                               | 3.9  | 29  |
| 35 | Effect of Ultrasonic Dispersion Methods on Thermal and Mechanical Properties of Organoclay Epoxy Nanocomposites. <i>Macromolecular Materials and Engineering</i> , <b>2007</b> , 292, 415-427                 | 3.9  | 45  |
| 34 | Understanding the decomposition and fire performance processes in phosphorus and nanomodified high performance epoxy resins and composites. <i>Polymer</i> , <b>2007</b> , 48, 2345-2354                      | 3.9  | 58  |
| 33 | Investigation of the reaction mechanism of different epoxy resins using a phosphorus-based hardener. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 99, 3288-3299                                  | 2.9  | 10  |
| 32 | Phosphorus-containing diamine for flame retardancy of high functionality epoxy resins. Part II. The thermal and mechanical properties of mixed amine systems. <i>Polymer</i> , <b>2006</b> , 47, 2091-2098    | 3.9  | 61  |
| 31 | Toughening of a carbon fibre reinforced epoxy anhydride composite using an epoxy terminated hyperbranched modifier. <i>Composites Science and Technology</i> , <b>2005</b> , 65, 2156-2166                    | 8.6  | 56  |

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| 30 | Investigation of thermal and fire performance of novel hybrid geopolymers. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 4721-4726   | 4.3 | 20  |
| 29 | Toughening of epoxy resin systems using low-viscosity additives. <i>Polymer International</i> , <b>2004</b> , 53, 78-84  | 3.3 | 83  |
| 28 | Toughening of an epoxy anhydride resin system using an epoxidized hyperbranched polymer. <i>Polymer International</i> , <b>2004</b> , 53, 69-77  | 3.3 | 78  |
| 27 | Influence of substituents on the kinetics of epoxy/aromatic diamine resin systems. <i>Journal of Polymer Science Part A</i> , <b>2004</b> , 42, 3143-3156  | 2.5 | 39  |
| 26 | Effect of organo-phosphorus and nano-clay materials on the thermal and fire performance of epoxy resins. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 1233-1253   | 2.9 | 111 |
| 25 | Processing and chemorheology of epoxy resins and their blends with dendritic hyperbranched polymers. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 1604-1610   | 2.9 | 34  |
| 24 | A phosphorus-containing diamine for flame-retardant, high-functionality epoxy resins. I. Synthesis, reactivity, and thermal degradation properties. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 2093-2100    | 2.9 | 32  |
| 23 | Thermal stability and water uptake of high performance epoxy layered silicate nanocomposites. <i>European Polymer Journal</i> , <b>2004</b> , 40, 187-195  | 5.2 | 223 |
| 22 | Thermal and mechanical characterisation of intercalated epoxy nanocomposites. <i>International Journal of Materials and Product Technology</i> , <b>2003</b> , 19, 199   | 1   | 2   |
| 21 | Use of layered silicates to supplementarily toughen high performance epoxy-carbon fiber composites. <i>Journal of Materials Science Letters</i> , <b>2003</b> , 22, 1411-1414  |     | 37  |
| 20 | Studies on blends of epoxy-functionalized hyperbranched polymer and epoxy resin. <i>Journal of Materials Science</i> , <b>2003</b> , 38, 147-154   | 4.3 | 112 |
| 19 | Development and characterization of a fire retardant epoxy resin using an organo-phosphorus compound. <i>Journal of Materials Science Letters</i> , <b>2003</b> , 22, 455-458  |     | 16  |
| 18 | Toughening of trifunctional epoxy using an epoxy-functionalized hyperbranched polymer. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 89, 2339-2345   | 2.9 | 102 |
| 17 | Synthesis, thermal behavior, and cone calorimetry of organophosphorus epoxy materials. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 90, 3696-3707   | 2.9 | 20  |
| 16 | Nanocomposites based on a combination of epoxy resin, hyperbranched epoxy and a layered silicate. <i>Polymer</i> , <b>2003</b> , 44, 7449-7457   | 3.9 | 146 |
| 15 | Clay-reinforced epoxy nanocomposites. <i>Polymer International</i> , <b>2003</b> , 52, 1403-1407   | 3.3 | 107 |
| 14 | Layered silicate nanocomposites based on various high-functionality epoxy resins: The influence of an organoclay on resin cure. <i>Polymer Engineering and Science</i> , <b>2003</b> , 43, 850-862                             | 2.3 | 54  |
| 13 | Layered Silicate Nanocomposites Based on Various High-Functionality Epoxy Resins: The Influence of Cure Temperature on Morphology, Mechanical Properties, and Free Volume. <i>Macromolecules</i> , <b>2003</b> , 36, 1616-1625 | 5.5 | 191 |



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| 12 | Morphology, thermal relaxations and mechanical properties of layered silicate nanocomposites based upon high-functionality epoxy resins. <i>Polymer</i> , <b>2002</b> , 43, 4365-4373                                    | 3.9 | 358 |
| 11 | Toughening of a trifunctional epoxy system. <i>Polymer</i> , <b>2001</b> , 42, 3847-3858   | 3.9 | 74  |
| 10 | Toughening of a trifunctional epoxy system Part III. Kinetic and morphological study of the thermoplastic modified cure process. <i>Polymer</i> , <b>2000</b> , 41, 3425-3436  | 3.9 | 68  |
| 9  | Thermoplastic toughening of epoxy resins: a critical review. <i>Polymers for Advanced Technologies</i> , <b>1998</b> , 9, 3-10   | 3.2 | 287 |
| 8  | Effect of reinforcing fibres on the morphology of a toughened epoxy/amine system. <i>Polymer</i> , <b>1997</b> , 38, 1005-1009   | 3.9 | 21  |
| 7  | Toughening of a trifunctional epoxy system: IV. Dynamic mechanical relaxational study of the thermoplastic-modified cure process. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1997</b> , 35, 153-163 | 2.6 | 24  |
| 6  | Toughening of a trifunctional epoxy system. II. Thermal characterization of epoxy/amine cure. <i>Journal of Applied Polymer Science</i> , <b>1996</b> , 60, 2251-2263  | 2.9 | 37  |
| 5  | The effect of compatibilization on the behavior of a polycarbonate/polymer liquid crystal blend. <i>Polymer Engineering and Science</i> , <b>1996</b> , 36, 1038-1046  | 2.3 | 9   |
| 4  | Toughening of a trifunctional epoxy system: 1. Near infra-red spectroscopy study of homopolymer cure. <i>Polymer</i> , <b>1995</b> , 36, 1347-1355   | 3.9 | 57  |
| 3  | Toughening epoxy resins with polyepichlorohydrin. <i>Journal of Applied Polymer Science</i> , <b>1993</b> , 48, 1259-1269  | 2.6 | 11  |
| 2  | Gas Emission Study of the Polyacrylonitrile-Based Continuous Pilot-Scale Carbon Fiber Manufacturing Process. <i>Industrial &amp; Engineering Chemistry Research</i> ,  | 3.9 | 1   |
| 1  | Cure Kinetics and Network Development of a Very High Tg Naphthalene-Based Epoxy Amine Network. <i>ACS Applied Polymer Materials</i> ,  | 4.3 | 1   |