

# Robert A Shanks

## List of Publications by Year in descending order

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270  
papers

7,821  
citations

53794

45  
h-index

79698

73  
g-index

275  
all docs

275  
docs citations

275  
times ranked

8144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Grapheneâ€“polyamideâ€“6 composite for additive manufacture of multifunctional electromagnetic interference shielding components. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49909.	2.6	12
2	Manipulation of the Glass Transition Properties of a High-Solid System Made of Acrylic Acid-N,Nâ€“2-Methylenebisacrylamide Copolymer Grafted on Hydroxypropyl Methyl Cellulose. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2682.	4.1	3
3	Electromagnetic interference shielding of 3D-printed grapheneâ€“polyamide-6 composites with 3D-printed morphology. <i>Additive Manufacturing</i> , 2021, 43, 102020.	3.0	10
4	Lowâ€“defect grapheneâ€“polyamideâ€“6 composites and modeling the fillerâ€“matrix interface. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48630.	2.6	9
5	Concepts and classification of compatibilization processes. , 2020, , 31-56.		5
6	Sustainable reuse of fashion waste as flame-retardant mattress filing with ecofriendly chemicals. <i>Journal of Cleaner Production</i> , 2020, 251, 119620.	9.3	19
7	Silica aerogel-integrated nonwoven protective fabrics for chemical and thermal protection and thermophysiological wear comfort. <i>Journal of Materials Science</i> , 2020, 55, 2405-2418.	3.7	40
8	Crystallization kinetics, morphology and spherulite growth in poly(trimethylene terephthalate) modified with bisphenol-A diglycidyl ether. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 727-737.	3.6	1
9	Electrospun polyacrylonitrileâ€“silica aerogel coating on viscose nonwoven fabric for versatile protection and thermal comfort. <i>Cellulose</i> , 2020, 27, 10501-10517.	4.9	26
10	Three-dimensional directional nerve guide conduits fabricated by dopamine-functionalized conductive carbon nanofibre-based nanocomposite ink printing. <i>RSC Advances</i> , 2020, 10, 40351-40364.	3.6	12
11	Rheology and 3D Printability of Percolated Grapheneâ€“Polyamide-6 Composites. <i>Polymers</i> , 2020, 12, 2014.	4.5	15
12	Polypropylene-nanodiamond composite for hernia mesh. <i>Materials Science and Engineering C</i> , 2020, 111, 110780.	7.3	31
13	Advances and applications of chemical protective clothing system. <i>Journal of Industrial Textiles</i> , 2019, 49, 97-138.	2.4	70
14	Peripheral Nerve Conduit: Materials and Structures. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3349-3365.	3.5	122
15	Generalised superposition models for rheologically complex starch-nanohybrid films and integrational construction of master-curves. <i>Polymer Testing</i> , 2019, 80, 106124.	4.8	1
16	Aerobic biodegradation of starchâ€“polyurethane flexible films under soil burial condition: Changes in physical structure and chemical composition. <i>International Biodeterioration and Biodegradation</i> , 2019, 145, 104793.	3.9	34
17	Mechanical properties of carbon monoxide reduced grapheneâ€“polyamide-6 nanocomposites prepared by melt-mixing. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
18	Nanodiamond Fabrication of Superhydrophilic Wool Fabrics. <i>Langmuir</i> , 2019, 35, 7105-7111.	3.5	15

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19	Fabrication and characterization of nanodiamond coated cotton fabric for improved functionality. <i>Cellulose</i> , 2019, 26, 5797-5806.	4.9	14
20	Nanodiamond/poly- $\mu$ -caprolactone nanofibrous scaffold for wound management. <i>Materials Science and Engineering C</i> , 2019, 100, 378-387.	7.3	38
21	Polyurethane "superabsorbent polymer-coated cotton fabric for thermophysiological wear comfort. <i>Journal of Materials Science</i> , 2019, 54, 9267-9281.	3.7	29
22	Natural Rubber with Polyhedral Oligomeric Silsesquioxane, Nanocomposites, and Hybrids Compared by Molecular Modeling. <i>Macromolecular Theory and Simulations</i> , 2019, 28, 1800026.	1.4	0
23	Extraction of keratin from waste chicken feathers using sodium sulfide and L-cysteine. <i>Process Biochemistry</i> , 2019, 82, 205-214.	3.7	41
24	Molecular shape conversion of POSS-(PLLA) <sub>x</sub> with various arm lengths and its effect on the compatibility of PLLA/POSS-(PLLA) <sub>x</sub> as a nanofiller blended into PLLA matrix: From spiky ball to panel-like. <i>Computational Materials Science</i> , 2019, 164, 1-7.	3.0	9
25	Polyurethane-aerogel incorporated coating on cotton fabric for chemical protection. <i>Progress in Organic Coatings</i> , 2019, 131, 100-110.	3.9	39
26	Hard segment composition, morphology, tensile properties and biostability of linked-macrodiol based siloxane poly(urethane urea). <i>Materials Today Communications</i> , 2019, 18, 110-118.	1.9	9
27	Cellulose Solubility, Gelation, and Absorbency Compared with Designed Synthetic Polymers. <i>Polymers and Polymeric Composites</i> , 2019, , 97-122.	0.6	0
28	Morphology and surface properties of high strength siloxane poly(urethane "urea)s developed for heart valve application. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 112-121.	3.4	28
29	The Influence of Trisilanolisobutyl POSS on Domain Microstructure of a Polyurethane Hybrid Composite: A Molecular Simulation Approach. <i>Silicon</i> , 2019, 11, 2253-2260.	3.3	5
30	Design and characterization of sustainable bio "composites from waste chicken feather keratin and thermoplastic polyurethane. <i>Polymer Composites</i> , 2018, 39, E620.	4.6	15
31	Morphological structure and thermomechanical properties of hemp fibre reinforced poly(lactic acid) Nanocomposites plasticized with tributyl citrate. <i>Materials Today: Proceedings</i> , 2018, 5, 3211-3218.	1.8	13
32	Cork "PLA composite filaments for fused deposition modelling. <i>Composites Science and Technology</i> , 2018, 168, 230-237.	7.8	124
33	Cellulose Solubility, Gelation, and Absorbency Compared with Designed Synthetic Polymers. <i>Polymers and Polymeric Composites</i> , 2018, , 1-26.	0.6	1
34	Critical role of tetrasilanolphenyl "POSS moieties in competing mechanism of rigid cages and soft segments and its effect on the glass transition temperature of epoxy hybrids. <i>Computational Materials Science</i> , 2018, 152, 78-84.	3.0	9
35	Migration and performance of erucamide slip additive in high "density polyethylene bottle caps. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46822.	2.6	17
36	Flexible starch-polyurethane films: Effect of mixed macrodiol polyurethane ionomers on physicochemical characteristics and hydrophobicity. <i>Carbohydrate Polymers</i> , 2018, 197, 312-325.	10.2	28

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37	Review on the Effects of Process Parameters on Strength, Shrinkage, and Warpage of Injection Molding Plastic Component. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 1-12.	1.9	49
38	Recent Advances in Polyurethane-Based Nanocomposites: A Review. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 1528-1541.	1.9	48
39	Structure and phase behaviour of microcrystalline cellulose in mixture with condensed systems of potato starch. <i>International Journal of Food Science and Technology</i> , 2017, 52, 800-807.	2.7	3
40	Flexible starch-polyurethane films: Physiochemical characteristics and hydrophobicity. <i>Carbohydrate Polymers</i> , 2017, 163, 236-246.	10.2	40
41	Effect of salt on the glass transition of condensed tapioca starch systems. <i>Food Chemistry</i> , 2017, 229, 120-126.	8.2	25
42	Thermoplastic starch-nanohybrid films with polyhedral oligomeric silsesquioxane. <i>Carbohydrate Polymers</i> , 2017, 173, 170-177.	10.2	14
43	Avian keratin fibre-based bio-composites. <i>World Journal of Engineering</i> , 2017, 14, 183-187.	1.6	7
44	Mechanism of phase separation in a weakly interacting system with strong dynamic asymmetry. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45059.	2.6	3
45	Tocopheryl acetate release from microcapsules of waxy maize starch. <i>Carbohydrate Polymers</i> , 2017, 167, 27-35.	10.2	10
46	Starch-polyurethane films synthesized using polyethylene glycol-isocyanate (PEG-iso): Effects of molecular weight, crystallinity, and composition of PEG-iso on physiochemical characteristics and hydrophobicity of the films. <i>Food Packaging and Shelf Life</i> , 2017, 14, 116-127.	7.5	21
47	Viscoelastic characterization of multifunctional composites incorporated with microencapsulated phase change materials. <i>Materials Today: Proceedings</i> , 2017, 4, 5239-5247.	1.8	5
48	A Gallium-Based Magnetocaloric Liquid Metal Ferrofluid. <i>Nano Letters</i> , 2017, 17, 7831-7838.	9.1	101
49	Slip-additive migration, surface morphology, and performance on injection moulded high-density polyethylene closures. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 537-545.	9.4	35
50	Effect of the glass transition temperature on alpha-amylase activity in a starch matrix. <i>Carbohydrate Polymers</i> , 2017, 157, 1531-1537.	10.2	12
51	Recycled synthetic polymer fibers in composites. , 2017, , 73-93.		3
52	Creep and Recovery Behaviour of Polyolefin-Rubber Nanocomposites Developed for Additive Manufacturing. <i>Polymers</i> , 2016, 8, 437.	4.5	35
53	Characterization of nanocomposite filaments developed for additive manufacturing. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
54	Interfacial interactions of thermally reduced graphene in poly(trimethylene terephthalate)-epoxy resin based composites. <i>Polymer</i> , 2016, 106, 140-151.	3.8	10

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55	Thermophysical properties of multifunctional glass fibre reinforced polymer composites incorporating phase change materials. <i>Thermochimica Acta</i> , 2016, 642, 25-31.	2.7	31
56	Deterioration of polyaramid and polybenzimidazole woven fabrics after ultraviolet irradiation. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	20
57	Properties of cementitious mortar and concrete containing micro-encapsulated phase change materials. <i>Construction and Building Materials</i> , 2016, 120, 408-417.	7.2	152
58	Preparation, characterisation, and <i>in vitro</i> evaluation of electrically conducting poly( $\epsilon$ -caprolactone)-based nanocomposite scaffolds using PC12 cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 853-865.	4.0	36
59	Properties enhancement in multiwalled carbon nanotube-magnetite hybrid-filled polypropylene natural rubber nanocomposites through functionalization and processing methods. <i>Science and Engineering of Composite Materials</i> , 2016, 23, 257-267.	1.4	3
60	Conductive polyolefin-rubber nanocomposites with carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 80, 13-20.	7.6	31
61	Imaging the phase of starch-gelatin blends by confocal Raman microscopy. <i>Food Hydrocolloids</i> , 2016, 60, 7-10.	10.7	26
62	Functionalised graphene-multiwalled carbon nanotube hybrid poly(styrene-b-butadiene-b-styrene) nanocomposites. <i>Composites Part B: Engineering</i> , 2016, 90, 315-325.	12.0	50
63	Calcium chloride effects on the glass transition of condensed systems of potato starch. <i>Food Chemistry</i> , 2016, 199, 791-798.	8.2	21
64	Diffusion of nicotinic acid in spray-dried capsules of whey protein isolate. <i>Food Hydrocolloids</i> , 2016, 52, 811-819.	10.7	16
65	Preparation of graphene and inclusion in composites with poly(styrene-b-butadiene-b-styrene). <i>Science and Engineering of Composite Materials</i> , 2015, 22, 7-16.	1.4	11
66	Mechanical reprocessing of polyolefin waste: A review. <i>Polymer Engineering and Science</i> , 2015, 55, 2899-2909.	3.1	129
67	Characterization of kenaf fiber composites prepared with tributyl citrate plasticized cellulose acetate. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 70, 52-58.	7.6	29
68	Fiber preparation and mechanical properties of recycled polypropylene for reinforcing concrete. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	44
69	Effect of sodium chloride on the glass transition of condensed starch systems. <i>Food Chemistry</i> , 2015, 184, 65-71.	8.2	21
70	The Effect of Humping Semi-Enclosed Cage Structure on Polymer Chains Characteristics of TSI-POSS/PU Hybrid Composites. <i>Applied Mechanics and Materials</i> , 2015, 751, 30-34.	0.2	2
71	Purification of avian biological material to refined keratin fibres. <i>RSC Advances</i> , 2015, 5, 69899-69906.	3.6	4
72	Study of dielectric and mechanical properties of epoxy/SiO <sub>2</sub> nanocomposite prepared by different processing techniques. , 2015, , .		4

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73	Highly-filled hybrid composites prepared using centrifugal deposition. Journal of Polymer Engineering, 2014, 34, 875-881.	1.4	2
74	Multiple melting behavior of poly(lactic acid)-hemp-silica composites using modulated-temperature differential scanning calorimetry. Journal of Polymer Engineering, 2014, 34, 895-903.	1.4	7
75	Cellulose fibre-cellulose acetate hybrid composites with nanosilica. Journal of Polymer Engineering, 2014, 34, 141-144.	1.4	2
76	Biomimetic materials: A challenge for nano-scale self-assembly. EXPRESS Polymer Letters, 2014, 8, 543-543.	2.1	2
77	Morphology and phase composition of gelatin-starch blends. Chinese Journal of Polymer Science (English Edition), 2014, 32, 108-114.	3.8	27
78	Polymer Blends. , 2014, , 1-14.		10
79	Stereochemistry and miscibility of epoxy resin-poly(trimethylene terephthalate) blends. RSC Advances, 2014, 4, 25420-25429.	3.6	8
80	Modification and evaluation of thermal properties of melamine-formaldehyde/n-eicosane microcapsules for thermo-regulation applications. Applied Thermal Engineering, 2014, 71, 11-15.	6.0	59
81	Elevation of charring level of polyamide-6,6 films via ionic introduction of phosphoric acid and boric acid esters. Green Chemistry Letters and Reviews, 2014, 7, 184-190.	4.7	6
82	Trisilanolisobutyl POSS/polyurethane hybrid composites: preparation, WAXS and thermal properties. Polymer Bulletin, 2014, 71, 2453-2464.	3.3	19
83	Characterization of Nanostructured Materials. , 2014, , 15-31.		3
84	Enzymatic catalysis in a whey protein matrix at temperatures in the vicinity of the glass transition. Food Research International, 2014, 62, 671-676.	6.2	2
85	Epoxy-silica composites replicating wood cell structure. Composites Part A: Applied Science and Manufacturing, 2014, 62, 11-15.	7.6	9
86	Bio-composites based on cellulose acetate and kenaf fibers: Processing and properties. , 2014, , .		3
87	Thermoplastic starch films: DOE and O2PLS methodology for optimization and increased understanding of polymer processing. Polymer Testing, 2013, 32, 343-352.	4.8	5
88	Plasma polymerised thin films for flexible electronic applications. Thin Solid Films, 2013, 546, 167-170.	1.8	46
89	Developing gelatin-starch blends for use as capsule materials. Carbohydrate Polymers, 2013, 92, 455-461.	10.2	82
90	Phase composition and interface of starch-gelatin blends studied by synchrotron FTIR micro-spectroscopy. Carbohydrate Polymers, 2013, 95, 649-653.	10.2	84

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91	Dynamic and Modulated Mechanical Evaluation of Polymer Structures. Advanced Materials Research, 2013, 685, 107-111.	0.3	0
92	Processing Cellulose for Cellulose Fiber and Matrix Composites. , 2013, , 45-62.		1
93	Novel elastomer dye-functionalised POSS nanocomposites: Enhanced colourimetric, thermomechanical and thermal properties. EXPRESS Polymer Letters, 2012, 6, 354-372.	2.1	15
94	In situ small angle X-ray scattering investigation of the thermal expansion and related structural information of carbon nanotube composites. Progress in Natural Science: Materials International, 2012, 22, 673-683.	4.4	11
95	Interlayer self-healing and toughening of carbon fibre/epoxy composites using copolymer films. Composites Part A: Applied Science and Manufacturing, 2012, 43, 512-518.	7.6	97
96	Preparation and properties of poly(propylene-g-maleic anhydride) filled with expanded graphite oxide. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1092-1100.	7.6	12
97	Thermal and Optical Characterization of Polymer-Dispersed Liquid Crystals. International Journal of Polymer Science, 2012, 2012, 1-13.	2.7	8
98	Novel polyhedral oligomeric silsesquioxane- $\epsilon$ -substituted dendritic polyester tougheners for linear thermoplastic polyurethane. Journal of Applied Polymer Science, 2012, 126, E440.	2.6	15
99	Novel elastomer- $\epsilon$ -dumbbell functionalized POSS composites: Thermomechanical and Morphological Properties. Journal of Applied Polymer Science, 2012, 123, 585-600.	2.6	16
100	Comparison of reversible melting behaviour of poly(3-hydroxybutyrate) using quasi-isothermal and other modulated temperature differential scanning calorimetry techniques. Journal of Thermal Analysis and Calorimetry, 2011, 104, 1117-1124.	3.6	11
101	Gelatinization and retrogradation of thermoplastic starch characterized using modulated temperature differential scanning calorimetry. Journal of Thermal Analysis and Calorimetry, 2011, 106, 93-99.	3.6	13
102	Linear thermal expansion, thermal ageing, relaxations and post-cure of thermoset polymer composites using modulated temperature thermomechanometry. Journal of Thermal Analysis and Calorimetry, 2011, 106, 151-158.	3.6	10
103	Enthalpy and Volume Relaxation of Core- $\epsilon$ -Crosslinked Star Polystyrene/Poly(methyl methacrylate) Blends. Macromolecular Chemistry and Physics, 2011, 212, 1677-1691.	2.2	6
104	Thermal, Optical, and Static/Dynamic Mechanical Properties of Linear- $\epsilon$ -core Crosslinked Star Polymer Blends. Macromolecular Chemistry and Physics, 2011, 212, 1778-1790.	2.2	6
105	Development of high stability catalysts to facilitate CO <sub>2</sub> capture into water- $\epsilon$ -An alternative to monoethanolamine and amine solvents. Energy Procedia, 2011, 4, 1691-1698.	1.8	10
106	Thermoplastic starch- $\epsilon$ -silica- $\epsilon$ -polyvinyl alcohol composites by reactive extrusion. Carbohydrate Polymers, 2011, 84, 343-350.	10.2	43
107	Poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene)-Dye-Coupled Polyhedral Oligomeric Silsesquioxanes. Advanced Materials Research, 2010, 123-125, 169-172.	0.3	0
108	Thermal Relaxations of Polymers Revealed by Reversing and Non-Reversing Coefficient of Thermal Expansion. Advanced Materials Research, 2010, 123-125, 451-454.	0.3	0

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109	Physically Networked Polymers: Materials that change with their environment. EXPRESS Polymer Letters, 2010, 4, 742-742.	2.1	1
110	Characterization and Thermal Behaviour of Polymer-Dispersed Liquid Crystals. Advanced Materials Research, 2010, 152-153, 284-287.	0.3	1
111	Interfacial properties of all-polypropylene composites. E-Polymers, 2010, 10, .	3.0	1
112	Fabrication and Characterization of RF Plasma Polymerized Thin Films from 3,7-Dimethyl-1,6-octadien-3-ol for Electronic and Biomaterial Applications. Advanced Materials Research, 2010, 123-125, 323-326.	0.3	7
113	Fire-retardant and fire-barrier poly(vinyl acetate) composites for sealant application. EXPRESS Polymer Letters, 2010, 4, 79-93.	2.1	38
114	Surface and Chemical Characterization of PolyLA Thin Films Fabricated Using Plasma Polymerization. Chemical Vapor Deposition, 2009, 15, 179-185.	1.3	9
115	Biocomposites of Cellulose Acetate Butyrate with Modified Hemp Cellulose Fibres. Macromolecular Materials and Engineering, 2009, 294, 213-221.	3.6	25
116	Fabrication and characterisation of polymer thin-films derived from cineole using radio frequency plasma polymerisation. Polymer, 2009, 50, 3465-3469.	3.8	28
117	Preparation, structure and mechanical properties of all-hemp cellulose biocomposites. Composites Science and Technology, 2009, 69, 2119-2126.	7.8	68
118	Crystallinity and structure of starch using wide angle X-ray scattering. Carbohydrate Polymers, 2009, 78, 543-548.	10.2	171
119	Polypropylene- $\mu$ microcrystalline cellulose composites with enhanced compatibility and properties. Composites Part A: Applied Science and Manufacturing, 2009, 40, 791-799.	7.6	162
120	Modelling of polypropylene fibre-matrix composites using finite element analysis. EXPRESS Polymer Letters, 2009, 3, 2-12.	2.1	24
121	Miscibility, melting, and crystallization behavior of poly(hydroxybutyrate) and poly(D,L-lactic acid) blends. Polymer Engineering and Science, 2008, 48, 1683-1692.	3.1	45
122	Poly(4-vinylpyridine)-based hydrogen bonded side-chain liquid crystal polymers. Reactive and Functional Polymers, 2008, 68, 1097-1102.	4.1	24
123	Fire performance of poly(dimethyl siloxane) composites evaluated by cone calorimetry. Composites Part A: Applied Science and Manufacturing, 2008, 39, 398-405.	7.6	86
124	Creep behaviour of biopolymers and modified flax fibre composites. Composite Interfaces, 2008, 15, 131-145.	2.3	19
125	Oxygen barrier property of polypropylene-polyether treated clay nanocomposite. EXPRESS Polymer Letters, 2008, 2, 429-439.	2.1	38
126	Thermoplastic polymer-dispersed liquid crystals prepared from solvent-induced phase separation with predictions using solubility parameters. Liquid Crystals, 2007, 34, 1349-1356.	2.2	27



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127	Intercalation of Montmorillonite by Interlayer Adsorption and Complex Formation. <i>Advanced Materials Research</i> , 2007, 29-30, 295-298.	0.3	4
128	Design and Optimization of Biopolyester Bagasse Fiber Composites. <i>Journal of Biobased Materials and Bioenergy</i> , 2007, 1, 46-55.	0.3	17
129	Mechanical and thermal properties of toughened polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2007, 105, 390-397.	2.6	23
130	Poly(caprolactone) thin film preparation, morphology, and surface texture. <i>Journal of Applied Polymer Science</i> , 2007, 103, 1287-1294.	2.6	21
131	Morphology, Thermal Stability, and Mechanical Behavior of [Poly(propylene)-grafted Maleic Anhydride]-Layered Expanded Graphite Oxide Composites. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 155-168.	3.6	48
132	Time-Temperature Creep Behaviour of Poly(propylene) and Polar Ethylene Copolymer Blends. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 184-196.	3.6	25
133	Structural, mechanical and dielectric properties of poly(ethylene-co-methyl acrylate-co-acrylic acid) graphite oxide nanocomposites. <i>Composites Science and Technology</i> , 2007, 67, 79-91.	7.8	58
134	Effect of additives on the interfacial strength of poly(L-lactic acid) and poly(3-hydroxy butyric) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	7.8	53
135	Structural and thermal interpretation of the synergy and interactions between the fire retardants magnesium hydroxide and zinc borate. <i>Polymer Degradation and Stability</i> , 2007, 92, 2-13.	5.8	104
136	Isothermal crystallization studies of poly(butylene terephthalate) composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 1344-1353.	2.1	14
137	New Ceramifying Polymer Materials for Passive Fire Protection Applications. <i>Journal of ASTM International</i> , 2007, 4, 100516.	0.2	1
138	Molecular functionality and self-assembled polymer compositions. <i>EXPRESS Polymer Letters</i> , 2007, 1, 481-481.	2.1	0
139	Thermal memory of poly(3-hydroxybutyrate) using temperature-modulated differential scanning calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 70-78.	2.1	16
140	Acrylic acid level and adhesive performance and peel master-curves of acrylic pressure-sensitive adhesives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 1237-1252.	2.1	30
141	Monte Carlo simulations of properties of side-chain liquid-crystal polymers. <i>Polymer International</i> , 2006, 55, 1323-1329.	3.1	5
142	Crystallisation, melting, recrystallisation and polymorphism of n-eicosane for application as a phase change material. <i>Thermochimica Acta</i> , 2006, 443, 235-244.	2.7	68
143	Solvent and enzyme induced recrystallization of mechanically degraded hemp cellulose. <i>Cellulose</i> , 2006, 13, 31-44.	4.9	59
144	Admicellar polymerization of styrene with divinyl benzene on alumina particles: the synthesis of white reinforcing fillers. <i>Journal of Materials Science</i> , 2006, 41, 7474-7482.	3.7	22

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145	Isothermal crystallisation kinetics of poly(3-hydroxybutyrate) using step-scan DSC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 83, 313-319.	3.6	25
146	Composites of poly(lactic acid) with flax fibers modified by interstitial polymerization. <i>Journal of Applied Polymer Science</i> , 2006, 99, 2305-2313.	2.6	68
147	Composites of poly(lactic acid) with flax fibers modified by interstitial polymerization. <i>Journal of Applied Polymer Science</i> , 2006, 101, 3620-3629.	2.6	45
148	Properties of hydrophobically modified polyacrylamide with low molecular weight and interaction with surfactant in aqueous solution. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4348-4360.	2.6	26
149	Mechanical and Thermal Properties of Flexible Poly(propylene) Composites. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 59-67.	3.6	20
150	Cure rate and dry etch patterning of thermoset polymers. , 2005, , .		0
151	Separation and identification of multicomponent mixture by thin-layer chromatography coupled with Fourier transform infrared microscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 1965-1970.	3.9	8
152	Composition, structure and thermal degradation of hemp cellulose after chemical treatments. <i>Polymer Degradation and Stability</i> , 2005, 89, 327-335.	5.8	472
153	Tensile creep behaviour of polypropylene fibre reinforced polypropylene composites. <i>Polymer Testing</i> , 2005, 24, 257-264.	4.8	81
154	The synthesis and thermal properties of polyepichlorohydrin side-chain liquid crystal polymers. <i>European Polymer Journal</i> , 2005, 41, 984-991.	5.4	19
155	Multiple melting behaviour of poly(3-hydroxybutyrate-co-hydroxyvalerate) using step-scan DSC. <i>European Polymer Journal</i> , 2005, 41, 2980-2988.	5.4	142
156	Melting and thermal history of poly(hydroxybutyrate-co-hydroxyvalerate) using step-scan DSC. <i>Thermochimica Acta</i> , 2005, 430, 183-190.	2.7	50
157	The effect of fiber concentration on mechanical and thermal properties of fiber-reinforced polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2005, 96, 2260-2272.	2.6	77
158	Rheological and thermal properties of single-site polyethylene blends. <i>Journal of Applied Polymer Science</i> , 2005, 95, 1549-1557.	2.6	2
159	Morphology and Structure of Hemp Fibre after Bioscouring. <i>Macromolecular Bioscience</i> , 2005, 5, 124-134.	4.1	53
160	Comparison of Styrene with Methyl Methacrylate Copolymers on the Adhesive Performance and Peeling Master Curves of Acrylate Pressure Sensitive Adhesives. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 1015-1027.	2.2	24
161	Influence of Different Woven Geometry in Poly(propylene) Woven Composites. <i>Macromolecular Materials and Engineering</i> , 2005, 290, 45-52.	3.6	41
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