

Guy Van Assche

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Processing of Self-Healing Polymers for Soft Robotics. <i>Advanced Materials</i> , 2022, 34, e2104798.	11.1	80
2	FEA-Based Inverse Kinematic Control: Hyperelastic Material Characterization of Self-Healing Soft Robots. <i>IEEE Robotics and Automation Magazine</i> , 2022, 29, 78-88.	2.2	9
3	A Healable Resistive Heater as a Stimuli-Providing System in Self-Healing Soft Robots. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 4574-4581.	3.3	11
4	Self-healing sensorized soft robots. , 2022, 1, 100003.		11
5	Quasi-Static FEA Model for a Multi-Material Soft Pneumatic Actuator in SOFA. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 7391-7398.	3.3	2
6	Structure-Property Relationships of Self-Healing Polymer Networks Based on Reversible Diels-Alder Chemistry. <i>Macromolecules</i> , 2022, 55, 5497-5513.	2.2	19
7	Laser sintering of self-healable and recyclable thermoset networks. <i>European Polymer Journal</i> , 2022, 175, 111383.	2.6	9
8	Time-Temperature-Transformation, Temperature-Conversion-Transformation, and Continuous-Heating-Transformation Diagrams of Reversible Covalent Polymer Networks. <i>Macromolecules</i> , 2021, 54, 412-425.	2.2	17
9	The Influence of the Furan and Maleimide Stoichiometry on the Thermoreversible Diels-Alder Network Polymerization. <i>Polymers</i> , 2021, 13, 2522.	2.0	16
10	A review on self-healing polymers for soft robotics. <i>Materials Today</i> , 2021, 47, 187-205.	8.3	150
11	Monitoring initial contact of UV-cured organic coatings with aqueous solutions using odd random phase multisine electrochemical impedance spectroscopy. <i>Corrosion Science</i> , 2021, 190, 109713.	3.0	10
12	Substituent effect on the thermophysical properties and thermal dissociation behaviour of 9-substituted anthracene derivatives. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2252-2263.	1.3	4
13	Reversible Lignin-Containing Networks Using Diels-Alder Chemistry. <i>Macromolecules</i> , 2021, 54, 9750-9760.	2.2	16
14	Humidity Robustness of Plasma-Coated PCBs. <i>Journal of Electronic Materials</i> , 2020, 49, 848-860.	1.0	3
15	Prilling of API/fatty acid suspensions: Screening of additives for drug release modification. <i>International Journal of Pharmaceutics</i> , 2020, 576, 119022.	2.6	0
16	Thermal dissociation of anthracene photodimers in the condensed state: kinetic evaluation and complex phase behaviour. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 17306-17313.	1.3	6
17	A novel approach for the closure of large damage in self-healing elastomers using magnetic particles. <i>Polymer</i> , 2020, 204, 122819.	1.8	25
18	Water permeation in coatings. <i>Journal of Coatings Technology Research</i> , 2020, 17, 1437-1445.	1.2	4

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19	Self-Healing and High Interfacial Strength in Multi-Material Soft Pneumatic Robots via Reversible Diels-Alder Bonds. <i>Actuators</i> , 2020, 9, 34.	1.2	35
20	Additive Manufacturing for Self-Healing Soft Robots. <i>Soft Robotics</i> , 2020, 7, 711-723.	4.6	54
21	Phase Behavior in the Active Layer of Small Molecule Organic Photovoltaics: State Diagram of p-DTS(FBTTh2)2:PC71BM. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7566-7577.	1.5	1
22	UV-Curable Biobased Polyacrylates Based on a Multifunctional Monomer Derived from Furfural. <i>Macromolecules</i> , 2020, 53, 1388-1404.	2.2	19
23	Room Temperature Self-Healing in Soft Pneumatic Robotics: Autonomous Self-Healing in a Diels-Alder Polymer Network. <i>IEEE Robotics and Automation Magazine</i> , 2020, 27, 44-55.	2.2	32
24	Electrochemical impedance spectroscopy characterization and parameterization of lithium nickel manganese cobalt oxide pouch cells: dependency analysis of temperature and state of charge. <i>Ionics</i> , 2019, 25, 111-123.	1.2	26
25	Fast scanning chip calorimetry study of P3HT/PC ₆₁ BM submicron layers: structure formation and eutectic behaviour. <i>Polymer International</i> , 2019, 68, 277-282.	1.6	4
26	Homocoupling Defects of a Small Donor Molecule for Organic Photovoltaics: Quantification of the Eutectic State Diagram by Rapid Heat-Cool Differential Scanning Calorimetry. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22634-22642.	1.5	1
27	A Multi-Material Self-Healing Soft Gripper. , 2019, , .		17
28	Prilling of API/fatty acid suspensions: Processability and characterisation. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118756.	2.6	1
29	Diffusion- and Mobility-Controlled Self-Healing Polymer Networks with Dynamic Covalent Bonding. <i>Macromolecules</i> , 2019, 52, 8440-8452.	2.2	25
30	Electrochemical characterization of plasma coatings on printed circuit boards. <i>Progress in Organic Coatings</i> , 2019, 137, 105256.	1.9	7
31	The influence of stereochemistry on the reactivity of the Diels-Alder cycloaddition and the implications for reversible network polymerization. <i>Polymer Chemistry</i> , 2019, 10, 473-485.	1.9	61
32	Coupling the Microscopic Healing Behaviour of Coatings to the Thermoreversible Diels-Alder Network Formation. <i>Coatings</i> , 2019, 9, 13.	1.2	23
33	A novel donor-acceptor anthracene monomer: Towards faster and milder reversible dimerization. <i>Tetrahedron</i> , 2019, 75, 912-920.	1.0	9
34	A Pneumatic Artificial Muscle Manufactured Out of Self-Healing Polymers That Can Repair Macroscopic Damages. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 16-21.	3.3	39
35	Assessment of provoked compatibility of NBR/SBR polymer blend with montmorillonite amphiphiles from the thermal degradation kinetics. <i>Polymer Bulletin</i> , 2018, 75, 1417-1430.	1.7	16
36	Oxidation barrier of Cu and Fe powder by Atomic Layer Deposition. <i>Surface and Coatings Technology</i> , 2018, 349, 1032-1041.	2.2	12

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37	Anthracene-based polyurethane networks: Tunable thermal degradation, photochemical cure and stress-relaxation. <i>European Polymer Journal</i> , 2018, 105, 412-420.	2.6	14
38	Room-temperature versus heating-mediated healing of a Diels-Alder crosslinked polymer network. <i>Polymer</i> , 2018, 153, 453-463.	1.8	37
39	Recent trends in nanostructured particles: synthesis, functionalization, and applications. , 2018, , 605-639.		7
40	Physicochemical characterization of nanomaterials: polymorph, composition, wettability, and thermal stability. , 2018, , 255-278.		29
41	Sol-gel hot injection synthesis of ZnO nanoparticles into a porous silica matrix and reaction mechanism. <i>Materials and Design</i> , 2017, 119, 270-276.	3.3	46
42	Anthracene-Based Thiolâ€Ene Networks with Thermo-Degradable and Photo-Reversible Properties. <i>Macromolecules</i> , 2017, 50, 1930-1938.	2.2	59
43	Towards multifunctional cellulosic fabric: UV photo-reduction and in-situ synthesis of silver nanoparticles into cellulose fabrics. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 877-886.	3.6	85
44	Supramolecular thermoplastics and thermoplastic elastomer materials with self-healing ability based on oligomeric charged triblock copolymers. <i>NPG Asia Materials</i> , 2017, 9, e385-e385.	3.8	30
45	Thermophysical characterization of a reversible dynamic polymer network based on kinetics and equilibrium of an amorphous furan-maleimide Diels-Alder cycloaddition. <i>Polymer</i> , 2017, 120, 176-188.	1.8	45
46	One-component Dielsâ€Alder based polyurethanes: a unique way to self-heal. <i>RSC Advances</i> , 2017, 7, 48047-48053.	1.7	47
47	Self-healing soft pneumatic robots. <i>Science Robotics</i> , 2017, 2, .	9.9	359
48	Selection of healing agents for a vascular self-healing application. <i>Polymer Testing</i> , 2017, 62, 302-310.	2.3	36
49	Synthesis, growth mechanism, and photocatalytic activity of Zinc oxide nanostructures: porous microparticles versus nonporous nanoparticles. <i>Journal of Materials Science</i> , 2017, 52, 2746-2762.	1.7	43
50	Probing the bulk heterojunction morphology in thermally annealed active layers for polymer solar cells. <i>Organic Electronics</i> , 2017, 41, 319-326.	1.4	10
51	Effect of Substrate Temperature on Thermal Properties and Deposition Kinetics of Atmospheric Plasma Deposited Methyl(methacrylate) Films. <i>Plasma Processes and Polymers</i> , 2017, 14, 1500213.	1.6	5
52	Aromatic sulfonation with sulfur trioxide: mechanism and kinetic model. <i>Chemical Science</i> , 2017, 8, 680-688.	3.7	26
53	Creation of a nanovascular network by electrospun sacrificial nanofibers for self-healing applications and its effect on the flexural properties of the bulk material. <i>Polymer Testing</i> , 2016, 54, 78-83.	2.3	32
54	Influence of the amorphous phase and preceding solution processing on the eutectic behaviour in the state diagram of P3HTâ€BM determined by rapid heatâ€cool calorimetry. <i>RSC Advances</i> , 2016, 6, 92981-92988.		6

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55	Seed-Mediated Hot-Injection Synthesis of Tiny Ag Nanocrystals on Nanoscale Solid Supports and Reaction Mechanism. ACS Applied Materials & Interfaces, 2016, 8, 10551-10561.	4.0	42
56	Toward Self-Healing Actuators: A Preliminary Concept. IEEE Transactions on Robotics, 2016, 32, 736-743.	7.3	24
57	Synthesis and evaluation of 9-substituted anthracenes with potential in reversible polymer systems. Tetrahedron, 2016, 72, 4303-4311.	1.0	37
58	Modelled decomposition kinetics of flame retarded poly(vinyl acetate). Polymer Degradation and Stability, 2016, 130, 245-256.	2.7	4
59	Deposition Kinetics and Thermal Properties of Atmospheric Plasma Deposited Methacrylate-Like Films. Plasma Processes and Polymers, 2016, 13, 521-533.	1.6	7
60	Thermal behaviour below and inside the glass transition region of a submicron P3HT layer studied by fast scanning chip calorimetry. Polymer, 2016, 83, 59-66.	1.8	16
61	Thermal Properties of Plasma Deposited Methyl Methacrylate Films in an Atmospheric DBD Reactor. Plasma Processes and Polymers, 2015, 12, 260-270.	1.6	7
62	A Green, Simple Chemical Route for the Synthesis of Pure Nanocalcite Crystals. Crystal Growth and Design, 2015, 15, 573-580.	1.4	45
63	Isothermal structure development in submicron P3HT layers studied by fast scanning chip calorimetry. Polymer, 2015, 57, 39-44.	1.8	23
64	Development of a self-healing soft pneumatic actuator: a first concept. Bioinspiration and Biomimetics, 2015, 10, 046007.	1.5	38
65	Evaluation of the Yasuda parameter for the atmospheric plasma deposition of allyl methacrylate. RSC Advances, 2015, 5, 27449-27457.	1.7	35
66	Roles of in situ surface modification in controlling the growth and crystallization of CaCO ₃ nanoparticles, and their dispersion in polymeric materials. Journal of Materials Science, 2015, 50, 7908-7918.	1.7	52
67	Synthesis of degradable multi-segmented polymers <i>via</i> Michael-addition thiol-ene step-growth polymerization. RSC Advances, 2015, 5, 81920-81932.	1.7	17
68	Isothermal Crystallization of PC ₆₁ BM in Thin Layers Far below the Glass Transition Temperature. Crystal Growth and Design, 2015, 15, 5614-5623.	1.4	13
69	Investigation of self-healing compliant actuators for robotics. , 2015, , .		9
70	Isocyanate free condensed tannin-based polyurethanes. European Polymer Journal, 2015, 67, 513-526.	2.6	88
71	Incorporation of corrosion inhibitor in plasma polymerized allyl methacrylate coatings and evaluation of its corrosion performance. Surface and Coatings Technology, 2014, 259, 714-724.	2.2	8
72	Monitoring the morphology development of polymer-monolithic stationary phases by thermal analysis. Journal of Separation Science, 2014, 37, 179-186.	1.3	13

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73	Toward bulk heterojunction polymer solar cells with thermally stable active layer morphology. <i>Journal of Photonics for Energy</i> , 2014, 4, 040997.	0.8	42
74	Atomic force microscopy-based study of self-healing coatings based on reversible polymer network systems. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 40-46.	1.4	36
75	About the Influence of Double Bonds in the APPECVD of Acrylate-Like Precursors: A Mass Spectrometry Study of the Plasma Phase. <i>Plasma Processes and Polymers</i> , 2014, 11, 335-344.	1.6	18
76	A time dependent DFT study of the efficiency of polymers for organic photovoltaics at the interface with PCBM. <i>RSC Advances</i> , 2014, 4, 52658-52667.	1.7	17
77	The effect of the moisture content on the curing characteristics of an epoxy matrix in the presence of nanofibrous structures. <i>Polymer Testing</i> , 2014, 40, 265-272.	2.3	11
78	The rheological properties of hydrogenated castor oil crystals. <i>Colloid and Polymer Science</i> , 2014, 292, 2539-2547.	1.0	15
79	Preparation and characterization of ultra-hydrophobic calcium carbonate nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014, 64, 012037.	0.3	12
80	Optimization of Extrusion Parameters for Preparing PCL-Layered Silicate Nanocomposites Supported by Modeling of Twin-Screw Extrusion. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 210-220.	1.7	6
81	A self-healing polymer network based on reversible covalent bonding. <i>Reactive and Functional Polymers</i> , 2013, 73, 413-420.	2.0	137
82	Fast-scanning calorimetry of electrospun polyamide nanofibres: Melting behaviour and crystal structure. <i>Polymer</i> , 2013, 54, 6809-6817.	1.8	15
83	Time-temperature-transformation (TTT) and temperature-conversion-transformation (TxT) cure diagrams by RheoDSC: Combined rheometry and calorimetry on an epoxy-amine thermoset. <i>Reactive and Functional Polymers</i> , 2013, 73, 332-339.	2.0	18
84	Quantitative analysis of polymer mixtures in solution by pulsed field-gradient spin echo NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2013, 231, 46-53.	1.2	5
85	Effect of nanofibres on the curing characteristics of an epoxy matrix. <i>Composites Science and Technology</i> , 2013, 79, 35-41.	3.8	15
86	Ester-functionalized poly(3-alkylthiophene) copolymers: Synthesis, physicochemical characterization and performance in bulk heterojunction organic solar cells. <i>Organic Electronics</i> , 2013, 14, 523-534.	1.4	22
87	Plasma Polymerization of a Saturated Branched Hydrocarbon. The Case of Heptamethylnonane. <i>Plasma Processes and Polymers</i> , 2013, 10, 51-59.	1.6	15
88	The Impact of Double Bonds in the APPECVD of Acrylate-Like Precursors. <i>Plasma Processes and Polymers</i> , 2013, 10, 857-863.	1.6	27
89	Surface Characterization of Atmospheric Pressure Plasma-Deposited Allyl Methacrylate and Acrylic Acid Based Coatings. <i>Plasma Processes and Polymers</i> , 2013, 10, 564-571.	1.6	27
90	Crystallization kinetics and morphology relations on thermally annealed bulk heterojunction solar cell blends studied by rapid heat cool calorimetry (RHC)., 2012, , .		1

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91	Looking at bulk-heterojunction organic photovoltaics from two viewpoints: morphology development and charge transfer. Proceedings of SPIE, 2012, , .	0.8	0
92	The kinetic analysis of isothermal curing reaction of an epoxy resin-glassflake nanocomposite. Thermochimica Acta, 2012, 549, 81-86.	1.2	35
93	Influence of temperature and UV intensity on photo-polymerization reaction studied by photo-DSC. Journal of Thermal Analysis and Calorimetry, 2012, 110, 287-294.	2.0	40
94	RheoDSC: Design optimisation by heat transfer modelling. Thermochimica Acta, 2012, 547, 130-140.	1.2	4
95	Influence of the processing solvent on the photoactive layer nanomorphology of P3HT/PC ₆₀ /BM solar cells. Journal of Polymer Science Part A, 2012, 50, 1037-1041.	2.5	14
96	Deposition and Characterisation of Plasma Polymerised Allyl Methacrylate Based Coatings. Plasma Processes and Polymers, 2012, 9, 799-807.	1.6	21
97	Improved Photovoltaic Performance of a Semicrystalline Narrow Bandgap Copolymer Based on 4 <i>H</i> -Cyclopenta[2,1- <i>b</i> :3,4- <i>b'</i>]-dithiophene Donor and Thiazolo[5,4- <i>d</i>]thiazole Acceptor Units. Chemistry of Materials, 2012, 24, 587-593.	3.2	73
98	Functionalized Dithienylthiazolo[5,4- <i>d</i>]thiazoles For Solution-Processable Organic Field-Effect Transistors. ChemPlusChem, 2012, 77, 923-930.	1.3	12
99	Calibration and performance of a fast-scanning DSC-Project RHC. Thermochimica Acta, 2012, 530, 64-72.	1.2	31
100	Evaluation of curing kinetic parameters of an epoxy/polyaminoamide/nano-glassflake system by non-isothermal differential scanning calorimetry. Thermochimica Acta, 2012, 533, 10-15.	1.2	26
101	The effect of nano-sized filler particles on the crystalline-amorphous interphase and thermal properties in polyester nanocomposites. Polymer, 2012, 53, 1494-1506.	1.8	24
102	Phase behavior of PCBM blends with different conjugated polymers. Physical Chemistry Chemical Physics, 2011, 13, 12285.	1.3	27
103	Thermal Stability of Poly[2-methoxy-5-(2-phenylethoxy)-1,4-phenylenevinylene] (MPE-PPV):Fullerene Bulk Heterojunction Solar Cells. Macromolecules, 2011, 44, 8470-8478.	2.2	61
104	Adjacent UCST Phase Behavior in Aqueous Solutions of Poly(vinyl methyl ether): Detection of a Narrow Low Temperature UCST in the Lower Concentration Range. Macromolecules, 2011, 44, 993-998.	2.2	22
105	Construction of the state diagram of polymer blend thin films using differential AC chip calorimetry. Polymer, 2011, 52, 4277-4283.	1.8	6
106	A combined mechanical, microscopic and local electrochemical evaluation of self-healing properties of shape-memory polyurethane coatings. Electrochimica Acta, 2011, 56, 9619-9626.	2.6	65
107	Self-healing property characterization of reversible thermoset coatings. Journal of Thermal Analysis and Calorimetry, 2011, 105, 805-809.	2.0	58
108	Rheology of nanocomposites. Journal of Thermal Analysis and Calorimetry, 2011, 105, 731-736.	2.0	16

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109	Partially miscible polystyrene/polymethylphenylsiloxane blends for nanocomposites. Journal of Thermal Analysis and Calorimetry, 2011, 105, 775-781.	2.0	4
110	Isothermal crystallization of P3HT:PCBM blends studied by RHC. Journal of Thermal Analysis and Calorimetry, 2011, 105, 845-849.	2.0	17
111	Morphologic study of steady state electrospun polyamide 6 nanofibres. Journal of Applied Polymer Science, 2011, 119, 2984-2990.	1.3	33
112	SECM study of defect repair in self-healing polymer coatings on metals. Electrochemistry Communications, 2011, 13, 169-173.	2.3	89
113	Phase separation in polymer blend thin films studied by differential AC chip calorimetry. Polymer, 2010, 51, 647-654.	1.8	28
114	Investigation of the self-healing properties of shape memory polyurethane coatings with the α -odd random phase multisine TM electrochemical impedance spectroscopy. Electrochimica Acta, 2010, 55, 6195-6203.	2.6	81
115	Qualitative assessment of nanofiller dispersion in poly(μ -caprolactone) nanocomposites by mechanical testing, dynamic rheometry and advanced thermal analysis. European Polymer Journal, 2010, 46, 984-996.	2.6	33
116	RheoDSC Analysis of Hardening of Semi-Crystalline Polymers during Quiescent Isothermal Crystallization. International Polymer Processing, 2010, 25, 304-310.	0.3	17
117	Demixing and Remixing Kinetics of Poly(2-isopropyl-2-oxazoline) (PIPOZ) Aqueous Solutions Studied by Modulated Temperature Differential Scanning Calorimetry. Macromolecules, 2010, 43, 6853-6860.	2.2	54
118	Dynamics of the Crystal to Plastic Crystal Transition in the Hydrogen Bonded α -Isopropylpropionamide. Journal of Physical Chemistry B, 2010, 114, 13944-13949.	1.2	20
119	Phase Behavior in Blends of Ethylene Oxide α -Propylene Oxide Copolymer and Poly(ether sulfone) Studied by Modulated α temperature DSC and NMR Relaxometry. Chemistry - A European Journal, 2009, 15, 1177-1185.	1.7	6
120	Micro- and nano-thermal analysis applied to multi-layered biaxially-oriented polypropylene films. Journal of Thermal Analysis and Calorimetry, 2009, 95, 207-213.	2.0	8
121	LCST demixing in poly(vinyl methyl ether)/water studied by means of a High Resolution Ultrasonic Resonator. Journal of Thermal Analysis and Calorimetry, 2009, 98, 495-505.	2.0	5
122	RheoDSC: design and validation of a new hybrid measurement technique. Journal of Thermal Analysis and Calorimetry, 2009, 98, 675-681.	2.0	18
123	Predicting reflections of thin coatings. Surface and Coatings Technology, 2009, 204, 551-557.	2.2	10
124	Novel synthetic strategy toward shape memory polyurethanes with a well-defined switching temperature. Polymer, 2009, 50, 4447-4454.	1.8	77
125	Theoretical analysis of carbon nanotube wetting in polystyrene nanocomposites. Physical Chemistry Chemical Physics, 2009, 11, 11121.	1.3	3
126	Phase Diagram of P3HT/PCBM Blends and Its Implication for the Stability of Morphology. Journal of Physical Chemistry B, 2009, 113, 1587-1591.	1.2	333

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127	Demixing and Remixing Kinetics in Aqueous Dispersions of Poly(<i>N</i> -isopropylacrylamide) (PNIPAM) Brushes Bound to Gold Nanoparticles Studied by Means of Modulated Temperature Differential Scanning Calorimetry. <i>Macromolecules</i> , 2009, 42, 5317-5327.	2.2	23
128	The use of nanofibers of P3HT in bulk heterojunction solar cells: the effect of order and morphology on the performance of P3HT:PCBM blends. , 2009, , .		0
129	The thermal degradation of poly(vinyl acetate) and poly(ethylene-co-vinyl acetate), Part I: Experimental study of the degradation mechanism. <i>Polymer Degradation and Stability</i> , 2008, 93, 800-810.	2.7	117
130	The thermal degradation of poly(vinyl acetate) and poly(ethylene-co-vinyl acetate), Part II: Modelling the degradation kinetics. <i>Polymer Degradation and Stability</i> , 2008, 93, 1222-1230.	2.7	41
131	RheoDSC: A hyphenated technique for the simultaneous measurement of calorimetric and rheological evolutions. <i>Review of Scientific Instruments</i> , 2008, 79, 023905.	0.6	20
132	Elucidating the aspect of "phase separation" in organic blends by means of thermal analysis. , 2007, , .		2
133	Influence of Macromolecular Architecture on the Thermal Response Rate of Amphiphilic Copolymers, Based on Poly(<i>N</i> -isopropylacrylamide) and Poly(oxyethylene), in Water. <i>Macromolecules</i> , 2007, 40, 3765-3772.	2.2	53
134	Phase Transformations in Aqueous Low Molar Mass Poly(vinyl methyl ether) Solutions: A Theoretical Prediction and Experimental Validation of the Peculiar Solvent Melting Line, Bimodal LCST, and (Adjacent) UCST Miscibility Gaps. <i>Journal of Physical Chemistry B</i> , 2007, 111, 1288-1295.	1.2	47
135	A Polystyrene-Supported Tin Trichloride Catalyst with a C11-Spacer. <i>Catalysis Monitoring Using High-Resolution Magic Angle Spinning NMR. Organometallics</i> , 2007, 26, 6718-6725.	1.1	26
136	Catalytic properties of cross-linked polystyrene grafted diorganotin in a model transesterification and the ring-opening polymerization of ϵ -caprolactone. <i>Applied Organometallic Chemistry</i> , 2007, 21, 504-513.	1.7	21
137	Reaction mechanism, kinetics and high temperature transformations of geopolymers. <i>Journal of Materials Science</i> , 2007, 42, 2982-2996.	1.7	170
138	Isothermal Elimination of <i>n</i> -Alkylsulfinyl OC1C10-PPV Precursor Polymers Studied with FT-IR, UV-Vis, and MTDSC: Kinetics of the Elimination Reaction. <i>Macromolecules</i> , 2006, 39, 3194-3201.	2.2	3
139	Kinetics of Temperature-induced and Reaction-induced Phase Separation Studied by Modulated Temperature DSC. <i>Macromolecular Symposia</i> , 2006, 233, 36-41.	0.4	8
140	Restricted chain segment mobility in poly(amide) 6/clay nanocomposites evidenced by quasi-isothermal crystallization. <i>Polymer</i> , 2006, 47, 826-835.	1.8	97
141	Non-isothermal elimination process in the solid state of <i>n</i> -alkyl-sulphinyl precursor polymers towards conjugated poly[2-(3,7-dimethyloctyloxy)-5-methoxy-1,4-phenylene vinylene] studied with MTDSC and TGA. <i>Polymer</i> , 2006, 47, 7935-7942.	1.8	2
142	The Application of Modulated Temperature Differential Scanning Calorimetry for the Characterisation of Curing Systems. <i>Hot Topics in Thermal Analysis and Calorimetry</i> , 2006, , 83-160.	0.5	2
143	Through-thickness analysis of the skin layer thickness of multi-layered biaxially-oriented polypropylene films by micro-thermal analysis. <i>Polymer</i> , 2005, 46, 7132-7139.	1.8	8
144	Role of Complex Formation in the Polymerization Kinetics of Modified Epoxy-Amine Systems. <i>Macromolecules</i> , 2005, 38, 2281-2288.	2.2	47

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145	Measurements of Thermal Properties of Carbon/Epoxy and Glass/Epoxy using Modulated Temperature Differential Scanning Calorimetry. <i>Journal of Composite Materials</i> , 2004, 38, 163-175.	1.2	68
146	Reaction kinetics modeling and thermal properties of epoxy-amines as measured by modulated-temperature DSC. I. Linear step-growth polymerization of DGEBA + aniline. <i>Journal of Applied Polymer Science</i> , 2004, 91, 2798-2813.	1.3	41
147	Reaction kinetics modeling and thermal properties of epoxy-amines as measured by modulated-temperature DSC. II. Network-forming DGEBA + MDA. <i>Journal of Applied Polymer Science</i> , 2004, 91, 2814-2833.	1.3	38
148	Kinetics of Demixing and Remixing in Poly(N-isopropylacrylamide)/Water Studied by Modulated Temperature DSC. <i>Macromolecules</i> , 2004, 37, 9596-9605.	2.2	141
149	Mechanistic modeling of the wall reactions in the pyrolysis of pentachloroethane. <i>International Journal of Chemical Kinetics</i> , 2002, 34, 322-330.	1.0	0
150	Modeling and experimental verification of the kinetics of reacting polymer systems. <i>Thermochimica Acta</i> , 2002, 388, 327-341.	1.2	54
151	Mathematical modeling of the thermal system of modulated temperature differential scanning calorimeter. <i>Thermochimica Acta</i> , 2002, 391, 87-95.	1.2	3
152	Interphase formation in model composites studied by micro-thermal analysis. <i>Polymer</i> , 2002, 43, 4605-4610.	1.8	33
153	Frequency dependent heat capacity in the cure of epoxy resins. <i>Thermochimica Acta</i> , 2001, 377, 125-130.	1.2	25
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