

# Filip E Du Prez

## 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.

324  
papers

14,903  
citations

64  
h-index

106  
g-index

348  
ext. papers

16,948  
ext. citations

6.7  
avg, IF

7.16  
L-index

#	Paper	IF	Citations
324	Suppressing Creep and Promoting Fast Reprocessing of Vitrimers with Reversibly Trapped Amines.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> , e202113872	16.4	5
323	Combining vinylogous urethane and amino ester chemistry for dynamic material design. <i>Polymer Chemistry</i> , <b>2022</b> , 13, 2008-2018	4.9	3
322	Internal catalysis on the opposite side of the fence in non-isocyanate polyurethane covalent adaptable networks. <i>European Polymer Journal</i> , <b>2022</b> , 168, 111100	5.2	2
321	Sequence-Encoded Macromolecules with Increased Data Storage Capacity through a Thiol-Epoxy Reaction.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 616-622	6.6	7
320	Assembling Lipoic Acid and Nanoclay into Nacre-Mimetic Nanocomposites. <i>Macromolecules</i> , <b>2021</b> , 54, 4658-4668	5.5	4
319	Covalent Adaptable Networks Using Amino Esters as Thermally Reversible Building Blocks. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 9140-9150	16.4	16
318	Biobased acrylic pressure-sensitive adhesives. <i>Progress in Polymer Science</i> , <b>2021</b> , 117, 101396	29.6	12
317	Using nickel to fold discrete synthetic macromolecules into single-chain nanoparticles. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 4924-4933	4.9	1
316	Applications of Discrete Synthetic Macromolecules in Life and Materials Science: Recent and Future Trends. <i>Advanced Science</i> , <b>2021</b> , 8, 2004038	13.6	24
315	Polyaddition Synthesis Using Alkyne Esters for the Design of Vinylogous Urethane Vitrimers. <i>Macromolecules</i> , <b>2021</b> , 54, 7931-7942	5.5	8
314	Reprocessing of Covalent Adaptable Polyamide Networks through Internal Catalysis and Ring-Size Effects. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 15834-15844	16.4	10
313	Sequence-defined oligoampholytes using hydrolytically stable vinyl sulfonamides: design and UCST behaviour. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 4193-4204	4.9	0
312	Substituent effect on the thermophysical properties and thermal dissociation behaviour of 9-substituted anthracene derivatives. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 2252-2263	3.6	1
311	Surface Modification of (Non)-Fluorinated Vitrimers through Dynamic Transamination. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 42, e2000644	4.8	7
310	Influence of the polymer matrix on the viscoelastic behaviour of vitrimers. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 5377-5385	4.9	32
309	Biosourced terpenoids for the development of sustainable acrylic pressure-sensitive adhesives via emulsion polymerisation. <i>Green Chemistry</i> , <b>2020</b> , 22, 4561-4569	10	20
308	Stereocontrolled, multi-functional sequence-defined oligomers through automated synthesis. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 4271-4280	4.9	12

307	Dynamic Curing Agents for Amine-Hardened Epoxy Vitrimers with Short (Re)processing Times. <i>Macromolecules</i> , <b>2020</b> , 53, 2485-2495	5.5	39
306	From Sequence-Defined Macromolecules to Macromolecular Pin Codes. <i>Advanced Science</i> , <b>2020</b> , 7, 1903698	6.8	21
305	Shining Light on Poly(ethylene glycol): From Polymer Modification to 3D Laser Printing of Water Erasable Microstructures. <i>Advanced Materials</i> , <b>2020</b> , 32, e2003060	24	10
304	Exploration of the Selectivity and Retention Behavior of Alternative Polyacrylamides in Temperature Responsive Liquid Chromatography. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 9815-9822	7.8	9
303	Mesoporous TiO <sub>2</sub> from poly(N,N-dimethylacrylamide)-b-polystyrene block copolymers for long-term acetaldehyde photodegradation. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 1933-1945	4.3	3
302	Covalent Adaptable Networks with Tunable Exchange Rates Based on Reversible Thiol-yne Cross-Linking. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3609-3617	16.4	60
301	Covalent Adaptable Networks with Tunable Exchange Rates Based on Reversible Thiol-yne Cross-Linking. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3637-3646	3.6	7
300	Analysis of sequence-defined oligomers through Advanced Polymer Chromatography- mass spectrometry hyphenation.. <i>RSC Advances</i> , <b>2020</b> , 10, 35245-35252	3.7	0
299	On-Demand Dissoluble Diselenide-Containing Hydrogel. <i>Biomacromolecules</i> , <b>2020</b> , 21, 3308-3317	6.9	10
298	Double neighbouring group participation for ultrafast exchange in phthalate monoester networks. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 5207-5215	4.9	17
297	Thermal dissociation of anthracene photodimers in the condensed state: kinetic evaluation and complex phase behaviour. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 17306-17313	3.6	2
296	Internal catalysis for dynamic covalent chemistry applications and polymer science. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 8425-8438	58.5	42
295	Fast processing of highly crosslinked, low-viscosity vitrimers. <i>Materials Horizons</i> , <b>2020</b> , 7, 104-110	14.4	74
294	Vitrimers: directing chemical reactivity to control material properties. <i>Chemical Science</i> , <b>2020</b> , 11, 4855-4870	9.1	127
293	Light-fueled dynamic covalent crosslinking of single polymer chains in non-equilibrium states. <i>Chemical Science</i> , <b>2020</b> , 12, 1302-1310	9.4	6
292	Internal Catalysis in Covalent Adaptable Networks: Phthalate Monoester Transesterification As a Versatile Dynamic Cross-Linking Chemistry. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 15277-15287	16.4	86
291	Thermoplastic polyacetals: chemistry from the past for a sustainable future?. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 9-33	4.9	40
290	Light-Stabilized Dynamic Materials. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 12329-12337	16.4	37

289	Sustainable Synthesis of Renewable Terpenoid-Based (Meth)acrylates Using the CHEM21 Green Metrics Toolkit. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 11633-11639	8.3	25
288	Direct comparison of solution and solid phase synthesis of sequence-defined macromolecules. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 3859-3867	4.9	20
287	Filler reinforced polydimethylsiloxane-based vitrimers. <i>Polymer</i> , <b>2019</b> , 172, 239-246	3.9	42
286	Urethane polythioether self-crosslinking resins. <i>Progress in Organic Coatings</i> , <b>2019</b> , 136, 105215	4.8	1
285	Multi-olefin containing polyethers and triazolinediones: a powerful alliance. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 4699-4708	4.9	7
284	Full and Partial Amidation of Poly(methyl acrylate) as Basis for Functional Polyacrylamide (Co)Polymers. <i>Macromolecules</i> , <b>2019</b> , 52, 5102-5109	5.5	16
283	Molecular access to multi-dimensionally encoded information. <i>European Polymer Journal</i> , <b>2019</b> , 120, 109260	5.2	14
282	Dynamic covalent chemistry in polymer networks: a mechanistic perspective. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 6091-6108	4.9	190
281	Digging into the Sequential Space of Thiolactone Precision Polymers: A Combinatorial Strategy to Identify Functional Domains. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1960-1964	16.4	27
280	Automated Synthesis Protocol of Sequence-Defined Oligo-Urethane-Amides Using Thiolactone Chemistry. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1800685	4.8	17
279	Eintauchen in den Sequenzraum der Thiolacton-Präzisionspolymere: eine kombinatorische Strategie zur Identifizierung funktionaler Domänen. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1980-1984	3.6	4
278	A novel donor-acceptor anthracene monomer: Towards faster and milder reversible dimerization. <i>Tetrahedron</i> , <b>2019</b> , 75, 912-920	2.4	6
277	TAD Click Chemistry on Aliphatic Polycarbonates: A First Step Toward Tailor-Made Materials. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1800743	4.8	7
276	Conformational influence of fluorinated building blocks on the physical properties of polyesters. <i>Polymer</i> , <b>2019</b> , 164, 134-141	3.9	1
275	Thiolactone chemistry for the synthesis of functional silicone-based amphiphilic co-networks. <i>Journal of Polymer Science Part A</i> , <b>2019</b> , 57, 322-333	2.5	11
274	Vinylogous Urea Vitrimers and Their Application in Fiber Reinforced Composites. <i>Macromolecules</i> , <b>2018</b> , 51, 2054-2064	5.5	118
273	Bifunctionalized Redox-Responsive Layers Prepared from a Thiolactone Copolymer. <i>Langmuir</i> , <b>2018</b> , 34, 5234-5244	4	7
272	Fast Healing of Polyurethane Thermosets Using Reversible Triazolinedione Chemistry and Shape-Memory. <i>Macromolecules</i> , <b>2018</b> , 51, 3405-3414	5.5	59

271	Tunable Blocking Agents for Temperature-Controlled Triazolinedione-Based Cross-Linking Reactions. <i>Macromolecules</i> , <b>2018</b> , 51, 3156-3164	5.5	17
270	Anthracene-containing polymers toward high-end applications. <i>Progress in Polymer Science</i> , <b>2018</b> , 82, 92-119	29.6	76
269	Ultrafast Tailoring of Carbon Surfaces via Electrochemically Attached Triazolinediones. <i>Langmuir</i> , <b>2018</b> , 34, 2397-2402	4	11
268	A Thiolactone Strategy for Straightforward Synthesis of Disulfide-Linked Side-Chain-to-Tail Cyclic Peptides Featuring an N-Terminal Modification Handle. <i>ChemBioChem</i> , <b>2018</b> , 19, 641-646	3.8	8
267	Enhancing the Possibilities of Comprehensive Two-Dimensional Liquid Chromatography through Hyphenation of Purely Aqueous Temperature-Responsive and Reversed-Phase Liquid Chromatography. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 4961-4967	7.8	13
266	In Situ Cross-Linked Nanofibers by Aqueous Electrospinning of Selenol-Functionalized Poly(2-oxazoline)s. <i>Macromolecules</i> , <b>2018</b> , 51, 6149-6156	5.5	17
265	Dynamic diselenide-containing polyesters from alcoholysis/oxidation of Ebutyroselenolactone. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 4044-4051	4.9	17
264	Anthracene-Based Colloidal Polymer Nanoparticles: Their Photochemical Ligation and Waterborne Coating Applications. <i>Particle and Particle Systems Characterization</i> , <b>2018</b> , 35, 1800030	3.1	4
263	Polycycloacetals via polytransacetalization of diglycerol bisacetone. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 4789-4797	4.9	3
262	Structurally diverse polymers from norbornene and thiolactone containing building blocks. <i>European Polymer Journal</i> , <b>2018</b> , 98, 246-253	5.2	11
261	Polycaprolactone-b-poly(N-isopropylacrylamide) nanoparticles: Synthesis and temperature induced coacervation behavior. <i>European Polymer Journal</i> , <b>2018</b> , 98, 468-474	5.2	10
260	Double-Modified Glycopolymers from Thiolactones to Modulate Lectin Selectivity and Affinity. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 1498-1502	6.6	18
259	Multifunctional sequence-defined macromolecules for chemical data storage. <i>Nature Communications</i> , <b>2018</b> , 9, 4451	17.4	91
258	Fluorinated Vitriimer Elastomers with a Dual Temperature Response. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13272-13284	16.4	111
257	Anthracene-based polyurethane networks: Tunable thermal degradation, photochemical cure and stress-relaxation. <i>European Polymer Journal</i> , <b>2018</b> , 105, 412-420	5.2	10
256	Thiol-Michael addition in polar aprotic solvents: nucleophilic initiation or base catalysis?. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 1341-1352	4.9	17
255	Selenolactone as a Building Block toward Dynamic Diselenide-Containing Polymer Architectures with Controllable Topology. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 89-92	6.6	45
254	Anthracene-Based Thiolene Networks with Thermo-Degradable and Photo-Reversible Properties. <i>Macromolecules</i> , <b>2017</b> , 50, 1930-1938	5.5	48

253	Immobilization of 2-Deoxy-d-ribose-5-phosphate Aldolase in Polymeric Thin Films via the Langmuir-Schaefer Technique. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 8317-8326	9.5	9
252	Biodegradable polymer networks via triazolinedione-crosslinking of oleyl-functionalized poly( $\epsilon$ -caprolactone). <i>European Polymer Journal</i> , <b>2017</b> , 89, 230-240	5.2	13
251	Design of a thermally controlled sequence of triazolinedione-based click and transclick reactions. <i>Chemical Science</i> , <b>2017</b> , 8, 3098-3108	9.4	34
250	Multifunctional Dendrimer Formation Using Thiolactone Chemistry. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1600575	2.6	10
249	Precisely Alternating Functionalized Polyampholytes Prepared in a Single Pot from Sustainable Thiolactone Building Blocks. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 277-280	6.6	19
248	Responsive Thiolactone-Derived N-Substituted Poly(Urethane-Amide)s. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1600783	4.8	9
247	Acrylate-based coatings to protect lead substrates. <i>Electrochimica Acta</i> , <b>2017</b> , 229, 8-21	6.7	5
246	Covalent Fluorination Strategies for the Surface Modification of Polydienes. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700122	4.8	18
245	Triazolinedione-Clicked Poly(phosphoester)s: systematic adjustment of thermal properties. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 4074-4078	4.9	15
244	High-Throughput Platform for Synthesis of Melamine-Formaldehyde Microcapsules. <i>ACS Combinatorial Science</i> , <b>2017</b> , 19, 447-454	3.9	4
243	UV-cured multifunctional coating resins prepared from renewable thiolactone derivatives. <i>Progress in Organic Coatings</i> , <b>2017</b> , 107, 75-82	4.8	8
242	Chemical control of the viscoelastic properties of vinylogous urethane vitrimers. <i>Nature Communications</i> , <b>2017</b> , 8, 14857	17.4	235
241	Easy access to triazolinedione-encapped peptides for chemical ligation. <i>Chemical Communications</i> , <b>2017</b> , 53, 593-596	5.8	14
240	Tailored Modification of Thioacrylates in a Versatile, Sequence-Defined Procedure. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700500	4.8	17
239	Sustainable synthesis routes towards urazole compounds. <i>Green Chemistry</i> , <b>2017</b> , 19, 5659-5664	10	5
238	Polydimethylsiloxane quenchable vitrimers. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 6590-6593	4.9	104
237	Click and Click-Inspired Chemistry for the Design of Sequence-Controlled Polymers. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700469	4.8	66
236	Thiolone chemistry for polymer coatings and surface modification building in sustainability and performance. <i>Materials Horizons</i> , <b>2017</b> , 4, 1041-1053	14.4	76

235	Lignin inspired phenolic polyethers synthesized via ADMET: Systematic structure-property investigation. <i>European Polymer Journal</i> , <b>2017</b> , 95, 503-513	5.2	12
234	Combining Two Methods of Sequence Definition in a Convergent Approach: Scalable Synthesis of Highly Defined and Multifunctionalized Macromolecules. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 13906-13909	4.8	35
233	Polyamides based on a partially bio-based spirodiamine. <i>European Polymer Journal</i> , <b>2017</b> , 96, 221-231	5.2	12
232	Preparation of Janus nanoparticles from block copolymer thin films using triazolinedione chemistry. <i>RSC Advances</i> , <b>2017</b> , 7, 37048-37054	3.7	6
231	Poly(thioether) Vitrimers via Transalkylation of Trialkylsulfonium Salts. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 930-934	3.6	147
230	Click and Click-Inspired Chemistry for the Design of Sequence-Controlled Polymers		1
229	Tyrosine-Triazolinedione Bioconjugation as Site-Selective Protein Modification Starting from RAFT-Derived Polymers. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 1368-1372	6.6	22
228	Controlling thermal reactivity with different colors of light. <i>Nature Communications</i> , <b>2017</b> , 8, 1869	17.4	29
227	PEGylated Precision Segments Based on Sequence-Defined Thiolactone Oligomers. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700688	4.8	10
226	Rigid Polyurethanes, Polyesters, and Polycarbonates from Renewable Ketal Monomers. <i>Macromolecules</i> , <b>2017</b> , 50, 5346-5352	5.5	32
225	Reversible TAD Chemistry as a Convenient Tool for the Design of (Re)processable PCL-Based Shape-Memory Materials. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1600517	4.8	22
224	Protected thiol strategies in macromolecular design. <i>Progress in Polymer Science</i> , <b>2017</b> , 64, 76-113	29.6	52
223	Synthesis of thiolactone building blocks as potential precursors for sustainable functional materials. <i>Tetrahedron</i> , <b>2016</b> , 72, 6616-6625	2.4	19
222	ADMET and TAD chemistry: a sustainable alliance. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 5655-5663	4.9	19
221	Quantitative First-Principles Kinetic Modeling of the Aza-Michael Addition to Acrylates in Polar Aprotic Solvents. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 12291-12302	4.2	21
220	Thiolactone-based polymers for formaldehyde scavenging coatings. <i>European Polymer Journal</i> , <b>2016</b> , 82, 166-174	5.2	12
219	One-Pot Modular Synthesis of Functionalized RAFT Agents Derived from a Single Thiolactone Precursor. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 942-945	6.6	8
218	Automated Synthesis of Monodisperse Oligomers, Featuring Sequence Control and Tailored Functionalization. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14182-14185	16.4	116

217	Squaric ester amides as hydrolysis-resistant functional groups for protein-conjugation of RAFT-derived polymers. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 7242-7248	4.9	13
216	Micro- and nanostructural characterization of melamine-formaldehyde microcapsule shells using electron microscopy <b>2016</b> , 718-719		
215	Macromolecular Coupling in Seconds of Triazolinedione End-Functionalized Polymers Prepared by RAFT Polymerization. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 766-771	6.6	29
214	Synthesis and evaluation of 9-substituted anthracenes with potential in reversible polymer systems. <i>Tetrahedron</i> , <b>2016</b> , 72, 4303-4311	2.4	33
213	Double Modification of Polymer End Groups through Thiolactone Chemistry. <i>Macromolecular Rapid Communications</i> , <b>2016</b> , 37, 947-51	4.8	17
212	Thiolactone chemistry and copper-mediated CRP for the development of well-defined amphiphilic dispersing agents. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 1632-1641	4.9	19
211	Triazolinediones as Highly Enabling Synthetic Tools. <i>Chemical Reviews</i> , <b>2016</b> , 116, 3919-74	68.1	111
210	Vitrimers: permanent organic networks with glass-like fluidity. <i>Chemical Science</i> , <b>2016</b> , 7, 30-38	9.4	719
209	Melamine-Formaldehyde Microcapsules: Micro- and Nanostructural Characterization with Electron Microscopy. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 1222-1232	0.5	3
208	Simple design of chemically crosslinked plant oil nanoparticles by triazolinedione-ene chemistry. <i>European Polymer Journal</i> , <b>2016</b> , 81, 77-85	5.2	16
207	Comparison of metal free polymer-dye conjugation strategies in protic solvents. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 3046-3055	4.9	14
206	Biomass Approach toward Robust, Sustainable, Multiple-Shape-Memory Materials. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 602-606	6.6	51
205	One-Pot Automated Synthesis of Quasi Triblock Copolymers for Self-Healing Physically Crosslinked Hydrogels. <i>Macromolecular Rapid Communications</i> , <b>2016</b> , 37, 1682-1688	4.8	16
204	Click reactive microgels as a strategy towards chemically injectable hydrogels. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 6752-6760	4.9	10
203	High molecular weight poly(cycloacetals) towards processable polymer materials. <i>Polymer</i> , <b>2016</b> , 103, 98-103	3.9	6
202	The microstructure of capsule containing self-healing materials: A micro-computed tomography study. <i>Materials Characterization</i> , <b>2016</b> , 119, 99-109	3.9	24
201	Ultrafast Layer-by-Layer Assembly of Thin Organic Films Based on Triazolinedione Click Chemistry. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 331-334	6.6	36
200	Renewable thermoplastic polyurethanes containing rigid spiroacetal moieties. <i>European Polymer Journal</i> , <b>2015</b> , 70, 232-239	5.2	23



199	Poly(thiolactone) homo- and copolymers from maleimide thiolactone: synthesis and functionalization. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 4240-4251	4.9	30
198	MetalOrganic Frameworks Encapsulated in Photocleavable Capsules for UV-Light Triggered Catalysis. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 5495-5502	9.6	23
197	Fifteen chemistries for autonomous external self-healing polymers and composites. <i>Progress in Polymer Science</i> , <b>2015</b> , 49-50, 121-153	29.6	139
196	In-depth numerical analysis of the TDCB specimen for characterization of self-healing polymers. <i>International Journal of Solids and Structures</i> , <b>2015</b> , 64-65, 145-154	3.1	13
195	Sustainable thermoplastic elastomers derived from plant oil and their Click-coupling Via TAD chemistry. <i>Green Chemistry</i> , <b>2015</b> , 17, 3806-3818	10	65
194	Vinylogous Urethane Vitrimers. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2451-2457	15.6	492
193	Use of Triazolinedione Click Chemistry for Tuning the Mechanical Properties of Electrospun SBS-Fibers. <i>Macromolecules</i> , <b>2015</b> , 48, 6474-6481	5.5	31
192	Computational Study and Kinetic Analysis of the Aminolysis of Thiolactones. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 8520-9	4.2	18
191	From plant oils to plant foils: Straightforward functionalization and crosslinking of natural plant oils with triazolinediones. <i>European Polymer Journal</i> , <b>2015</b> , 65, 286-297	5.2	38
190	ClickInspired Chemistry in Macromolecular Science: Matching Recent Progress and User Expectations. <i>Macromolecules</i> , <b>2015</b> , 48, 2-14	5.5	203
189	Efficient microencapsulation of a liquid isocyanate with in situ shell functionalization. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 1159-1170	4.9	39
188	One-pot multi-step reactions based on thiolactone chemistry: A powerful synthetic tool in polymer science. <i>European Polymer Journal</i> , <b>2015</b> , 62, 247-272	5.2	117
187	Rewritable Polymer Brush Micropatterns Grafted by Triazolinedione Click Chemistry. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13126-9	16.4	74
186	Precision Multisegmented Macromolecular Lineups: A Display of Unique Control over Backbone Structure and Functionality. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 616-619	6.6	30
185	Tunable temperature responsive liquid chromatography through thiolactone-based immobilization of poly(N-isopropylacrylamide). <i>Journal of Chromatography A</i> , <b>2015</b> , 1426, 126-32	4.5	13
184	Thermoresponsive hyperbranched glycopolymers: Synthesis, characterization and lectin interaction studies. <i>European Polymer Journal</i> , <b>2015</b> , 69, 490-498	5.2	17
183	A shape-recovery polymer coating for the corrosion protection of metallic surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 175-83	9.5	88
182	Diversely Substituted Polyamide Structures through Thiolene Polymerization of Renewable Thiolactone Building Blocks. <i>Macromolecules</i> , <b>2014</b> , 47, 61-69	5.5	62

181	Microencapsulation of Active Ingredients Using PDMS as Shell Material. <i>Macromolecules</i> , <b>2014</b> , 47, 8231-8237	5.3	22
180	Synthesis of multi-functionalized hydrogels by a thiolactone-based synthetic protocol. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 5461	4.9	37
179	Cu(0)-mediated polymerization of hydrophobic acrylates using high-throughput experimentation. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 4268-4276	4.9	23
178	Low Modulus Dry Silicone-Gel Materials by Photoinduced ThiolEne Chemistry. <i>Macromolecules</i> , <b>2014</b> , 47, 1292-1300	5.5	21
177	MacroRAFT agents from renewable resources and their use as polymeric scaffolds in a grafting from approach. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 3163-3169	4.9	10
176	One-Pot Thermo-Remendable Shape Memory Polyurethanes. <i>Macromolecules</i> , <b>2014</b> , 47, 2010-2018	5.5	159
175	Triazolinediones enable ultrafast and reversible click chemistry for the design of dynamic polymer systems. <i>Nature Chemistry</i> , <b>2014</b> , 6, 815-21	17.6	234
174	Autonomous Self-Healing of Epoxy Thermosets with Thiol-Isocyanate Chemistry. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 5575-5583	15.6	85
173	Collapsing and reswelling kinetics of thermoresponsive polymers on surfaces: a matter of confinement and constraints. <i>Soft Matter</i> , <b>2014</b> , 10, 7256-61	3.6	3
172	Deconvolution of overlapping spectral polymer signals in size exclusion separation-diode array detection separations by implementing a multivariate curve resolution method optimized by alternating least square. <i>Journal of Chromatography A</i> , <b>2014</b> , 1342, 63-9	4.5	8
171	Polythiolactone-based redox-responsive layers for the reversible release of functional molecules. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 22457-66	9.5	22
170	One-Pot Double Modification of Polymers Based on Thiolactone Chemistry. <i>Advances in Polymer Science</i> , <b>2014</b> , 105-131	1.3	14
169	Control of glycopolymer nanoparticle morphology by a one-pot, double modification procedure using thiolactones. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 1128-34	4.8	34
168	Straightforward RAFT procedure for the synthesis of heterotelechelic poly(acrylamide)s. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 405-11	4.8	11
167	Kinetic comparison of 13 homogeneous thiolE reactions. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 5527	4.9	87
166	Toward Functional Polyester Building Blocks from Renewable Glycolaldehyde with Sn Cascade Catalysis. <i>ACS Catalysis</i> , <b>2013</b> , 3, 1786-1800	13.1	80
165	Functionalization of polyurethanes by incorporation of alkyne side-groups to oligodiols and subsequent thiolEne post-modification. <i>European Polymer Journal</i> , <b>2013</b> , 49, 3573-3581	5.2	17
164	Highly structured pH-responsive honeycomb films by a combination of a breath figure process and in situ thermolysis of a polystyrene-block-poly(ethoxy ethyl acrylate) precursor. <i>Polymer Chemistry</i> , <b>2013</b> ,	4.9	9

163	Self-assembling linear and star shaped poly( $\epsilon$ -caprolactone)/poly[(meth)acrylic acid] block copolymers as carriers of indomethacin and quercetin. <i>Macromolecular Bioscience</i> , <b>2013</b> , 13, 1520-30	5.5	21
162	High molar mass segmented macromolecular architectures by nitroxide mediated polymerisation. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 4697	4.9	7
161	Chemically orthogonal trifunctional Janus beads by photochemical "sandwich" microcontact printing. <i>Chemical Communications</i> , <b>2013</b> , 49, 63-5	5.8	34
160	Straightforward synthesis of functionalized cyclic polymers in high yield via RAFT and thiolactone-disulfide chemistry. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 184-193	4.9	69
159	Renewable sulfur-containing thermoplastics via AB-type thiol-ene polyaddition. <i>European Polymer Journal</i> , <b>2013</b> , 49, 804-812	5.2	37
158	Design of mixed PEO/PAA brushes with switchable properties toward protein adsorption. <i>Biomacromolecules</i> , <b>2013</b> , 14, 215-25	6.9	55
157	Kinetic Modeling of Radical Thiol-ene Chemistry for Macromolecular Design: Importance of Side Reactions and Diffusional Limitations. <i>Macromolecules</i> , <b>2013</b> , 46, 1732-1742	5.5	67
156	Cationic Polymerizations <b>2013</b> , 163-185		2
155	Chemistry of crosslinking processes for self-healing polymers. <i>Macromolecular Rapid Communications</i> , <b>2013</b> , 34, 290-309	4.8	219
154	One-pot, additive-free preparation of functionalized polyurethanes via amine-thiol-ene conjugation. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 2449	4.9	80
153	100% thiol-functionalized ethylene PMOs prepared by "thiol acid-ene" chemistry. <i>Chemical Communications</i> , <b>2013</b> , 49, 2344-6	5.8	37
152	Providing polyurethane foams with functionality: a kinetic comparison of different click-and coupling reaction pathways. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 1546-1556	4.9	27
151	One-Pot Double Modification of p(NIPAAm): A Tool for Designing Tailor-Made Multiresponsive Polymers.. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 539-543	6.6	88
150	Complexity from Simplicity: Unique Polymer Capsules, Rods, Monoliths, and Liquid Marbles Prepared via HIPE in Microfluidics. <i>Particle and Particle Systems Characterization</i> , <b>2013</b> , 30, 438-444	3.1	9
149	Chemistry of Crosslinking Processes for Self-Healing Polymers <b>2013</b> , 215-246		2
148	Multifunctionalized sequence-defined oligomers from a single building block. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 13261-4	16.4	179
147	Polyurea microcapsules with a photocleavable shell: UV-triggered release. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 763-772	4.9	41
146	CHAPTER 9:Thiolactones as Functional Handles for Polymer Synthesis and Modification. <i>RSC Polymer Chemistry Series</i> , <b>2013</b> , 195-216	1.3	2

145	Development of optimized autonomous self-healing systems for epoxy materials based on maleimide chemistry. <i>Polymer</i> , <b>2012</b> , 53, 2320-2326	3.9	72
144	Porous polymer particles: A comprehensive guide to synthesis, characterization, functionalization and applications. <i>Progress in Polymer Science</i> , <b>2012</b> , 37, 365-405	29.6	368
143	Redox-responsive degradable PEG cryogels as potential cell scaffolds in tissue engineering. <i>Macromolecular Bioscience</i> , <b>2012</b> , 12, 383-94	5.5	67
142	Bifunctional Janus beads made by Sandwich Microcontact printing using click chemistry. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 6190		41
141	Highly functionalized, aliphatic polyamides via CuAAC and thiol-yne chemistries. <i>European Polymer Journal</i> , <b>2012</b> , 48, 2085-2096	5.2	17
140	Multi-Block Polyurethanes via RAFT End-Group Switching and Their Characterization by Advanced Hyphenated Techniques. <i>Macromolecules</i> , <b>2012</b> , 45, 6353-6362	5.5	15
139	From one-pot stabilisation to in situ functionalisation in nitroxide mediated polymerisation: an efficient extension towards atom transfer radical polymerisation. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 1867	4.9	14
138	Poly(butylene adipate) functionalized with quaternary phosphonium groups as potential antimicrobial packaging material. <i>Innovative Food Science and Emerging Technologies</i> , <b>2012</b> , 15, 81-85	6.8	41
137	Double modular modification of thiolactone-containing polymers: towards polythiols and derived structures. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 1007	4.9	75
136	Heterogeneous azide-alkyne click chemistry: towards metal-free end products. <i>Chemical Science</i> , <b>2012</b> , 3, 959-966	9.4	109
135	Imidazolium End-Functionalized ATRP Polymers as Directing Agents for CNT Dispersion and Confinement. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 1259-1265	2.6	7
134	From NMP to RAFT and thiol-ene chemistry by in situ functionalization of nitroxide chain ends. <i>Macromolecular Rapid Communications</i> , <b>2012</b> , 33, 1310-5	4.8	18
133	Metal-Free Functionalization of Linear Polyurethanes by Thiol-Maleimide Coupling Reactions. <i>Macromolecules</i> , <b>2011</b> , 44, 7874-7878	5.5	56
132	Additive-free clicking for polymer functionalization and coupling by tetrazine-norbornene chemistry. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 13828-31	16.4	154
131	Ultrarapid Approaches to Mild Macromolecular Conjugation <b>2011</b> , 21-52		
130	Tunable Thermo-responsive Polymers by Molecular Design <b>2011</b> , 685-715		8
129	Highly Branched Functional Polymer Architectures by Click-Chemistry Strategies <b>2011</b> , 229-265		2
128	Norbornenyl-Based RAFT Agents for the Preparation of Functional Polymers via Thiol-Ene Chemistry. <i>Macromolecules</i> , <b>2011</b> , 44, 5619-5630	5.5	51

127	Use of endospore-forming bacteria as an active oxygen scavenger in plastic packaging materials. <i>Innovative Food Science and Emerging Technologies</i> , <b>2011</b> , 12, 594-599	6.8	34
126	Revealing the nature of thio-click reactions on the solid phase. <i>Chemical Communications</i> , <b>2011</b> , 47, 4652-48	5.8	52
125	One-pot multistep reactions based on thiolactones: extending the realm of thiol-ene chemistry in polymer synthesis. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 1678-81	16.4	181
124	Preparation of pH-sensitive star-shaped aliphatic polyesters as precursors of polymersomes. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 1552-1563	2.5	12
123	Combining cationic ring-opening polymerization and click chemistry for the design of functionalized polyurethanes. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 1597-1604	2.5	27
122	Highly active, thermo-responsive polymeric catalytic system for reuse in aqueous and organic CuAAC reactions. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 2878-2885	2.5	32
121	Tetrazine-norbornene click reactions to functionalize degradable polymers derived from lactide. <i>Macromolecular Rapid Communications</i> , <b>2011</b> , 32, 1362-6	4.8	44
120	Synthesis of clicked imidazolium-containing biosourced copolymers and application in carbon nanotube dispersion. <i>Macromolecular Rapid Communications</i> , <b>2011</b> , 32, 1960-4	4.8	13
119	"Sandwich" microcontact printing as a mild route towards monodisperse Janus particles with tailored bifunctionality. <i>Advanced Materials</i> , <b>2011</b> , 23, 79-83	24	72
118	"Clicking" polymers or just efficient linking: what is the difference?. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 60-2	16.4	550
117	Poly(ethylene oxide)-b-poly(L-lactide) diblock copolymer/carbon nanotube-based nanocomposites: LiCl as supramolecular structure-directing agent. <i>Biomacromolecules</i> , <b>2011</b> , 12, 4086-94	6.9	28
116	Novel Amphiphilic Mikto-Arm Star-Shaped Copolymers for the Preparation of PLA-Based Nanocarriers. <i>Macromolecular Symposia</i> , <b>2011</b> , 309-310, 111-122	0.8	2
115	Surface Modification in Aqueous Dispersions with Thermo-Responsive Poly(methylvinylether) Copolymers in Combination with Ultrasonic Treatment. <i>Chemistry and Chemical Technology</i> , <b>2011</b> , 5, 59-65	8.9	4
114	Polymeric ligands as homogeneous, reusable catalyst systems for copper assisted click chemistry. <i>Chemical Communications</i> , <b>2010</b> , 46, 8719-21	5.8	42
113	Synthesis and Self-Assembly of Amphiphilic Chiral Poly(amino acid) Star Polymers. <i>Macromolecules</i> , <b>2010</b> , 43, 5949-5955	5.5	46
112	Atom Transfer Radical Polymerization of Isobornyl Acrylate: A Kinetic Modeling Study. <i>Macromolecules</i> , <b>2010</b> , 43, 8766-8781	5.5	45
111	Thiol-ene and thiol-yne chemistry in microfluidics: a straightforward method towards macroporous and nonporous functional polymer beads. <i>Polymer Chemistry</i> , <b>2010</b> , 1, 685	4.9	93
110	Linear poly(alkyl ethylene imine) with varying side chain length: synthesis and physical properties. <i>Polymer Chemistry</i> , <b>2010</b> , 1, 747	4.9	16

109	Linear Poly(ethylene imine)s by Acidic Hydrolysis of Poly(2-oxazoline)s: Kinetic Screening, Thermal Properties, and Temperature-Induced Solubility Transitions. <i>Macromolecules</i> , <b>2010</b> , 43, 927-933	5.5	76
108	Modeling the morphology and mechanical behavior of shape memory polyurethanes based on solid-state NMR and synchrotron SAXS/WAXD. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 3475		27
107	Solvent Effects on Free Radical Polymerization Reactions: The Influence of Water on the Propagation Rate of Acrylamide and Methacrylamide. <i>Macromolecules</i> , <b>2010</b> , 43, 827-836	5.5	42
106	Solvent-resistant nanofiltration for product purification and catalyst recovery in click chemistry reactions. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 1061-7	4.8	38
105	Structure of Adsorption Layers of Amphiphilic Copolymers on Inorganic or Organic Particle Surfaces. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 971-976	2.6	20
104	Poly(acrylic acid) with disulfide bond for the elaboration of pH-responsive brush surfaces. <i>European Polymer Journal</i> , <b>2010</b> , 46, 195-201	5.2	22
103	The nature of Cu(II) species in ATRP: New insights via EPR. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 1493-1501	2.5	7
102	Limitations of radical thiol-ene reactions for polymer-polymer conjugation. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 1699-1713	2.5	221
101	Effect of crosslinker multiplicity on the gel point in ATRP. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 2016-2023	2.5	16
100	Comparative Study of the Solid-Liquid Interface Behavior of Amphiphilic Block and Block-Like Copolymers. <i>Macromolecular Chemistry and Physics</i> , <b>2009</b> , 210, 287-298	2.6	19
99	Facile Access to an Efficient Solid-Supported Click Catalyst System Based on Poly(ethyleneimine). <i>Macromolecular Rapid Communications</i> , <b>2009</b> , 30, 34-8	4.8	51
98	'Click' functionalization of cryogels conveniently verified and quantified using high-resolution MAS NMR spectroscopy. <i>Macromolecular Rapid Communications</i> , <b>2009</b> , 30, 1328-33	4.8	17
97	Star-Shaped Polyacrylates: Highly Functionalized Architectures via CuAAC Click Conjugation. <i>Macromolecular Rapid Communications</i> , <b>2009</b> , 30, 2049-55	4.8	32
96	Efficient access to multi-arm star block copolymers by a combination of ATRP and RAFT-HDA click chemistry. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 2207-2213	2.5	52
95	Propagation rate coefficients of isobornyl acrylate, tert-butyl acrylate and 1-ethoxyethyl acrylate: A high frequency PLP-SEC study. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 6641-6654	2.5	46
94	ATRP poly(acrylate) star formation: A comparative study between MALDI and ESI mass spectrometry. <i>Polymer</i> , <b>2009</b> , 50, 1986-2000	3.9	26
93	Step-growth polymerization and click chemistry: The oldest polymers rejuvenated. <i>Polymer</i> , <b>2009</b> , 50, 3877-3886	3.9	79
92	Novel synthetic strategy toward shape memory polyurethanes with a well-defined switching temperature. <i>Polymer</i> , <b>2009</b> , 50, 4447-4454	3.9	56

91	On-demand click functionalization of polyurethane films and foams. <i>Polymer</i> , <b>2009</b> , 50, 5362-5367	3.9	35
90	Convergent synthesis of dendrimers based on 1,3,3-trisubstituted 2-oxindoles. <i>European Polymer Journal</i> , <b>2009</b> , 45, 3196-3209	5.2	12
89	Fabrication of Porous Clickable Polymer Beads and Rods through Generation of High Internal Phase Emulsion (HIPE) Droplets in a Simple Microfluidic Device. <i>Macromolecules</i> , <b>2009</b> , 42, 9289-9294	5.5	95
88	Continuous ATRP Synthesis of Block-Like Copolymers via Column Reactors: Design and Validation of a Kinetic Model. <i>Macromolecular Reaction Engineering</i> , <b>2009</b> , 3, 529-538	1.5	20
87	"Giant" hollow multilayer capsules by microfluidic templating. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 1196-202	9.5	26
86	Click Chemistry and Step-Growth Polymerization: The Ideal Combination for the Rejuvenation of Industrial Polymers. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , <b>2009</b> , 145-164	0.1	1
85	From Novel Block-Like Copolymers to Reactive Nanoparticles: ATRP and Click Chemistry as Synthetic Tools. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , <b>2009</b> , 111-132	0.1	
84	Click Chemistry as a Promising Tool for Side-Chain Functionalization of Polyurethanes. <i>Macromolecules</i> , <b>2008</b> , 41, 4622-4630	5.5	114
83	Solvent-Resistant Nanofiltration Membranes Based on Multilayered Polyelectrolyte Complexes. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 3876-3883	9.6	110
82	Polytetrahydrofuran/Clay Nanocomposites by In Situ Polymerization and Click Chemistry Processes. <i>Macromolecules</i> , <b>2008</b> , 41, 6035-6040	5.5	102
81	Biodegradable microcapsules designed via 'click' chemistry. <i>Chemical Communications</i> , <b>2008</b> , 190-2	5.8	91
80	Advanced Polymer Architectures with Stimuli-Responsive Properties Starting from Inimers. <i>Macromolecules</i> , <b>2008</b> , 41, 2593-2606	5.5	27
79	Design and use of organic nanoparticles prepared from star-shaped polymers with reactive end groups. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 10802-11	16.4	46
78	Controlled synthesis of amphiphilic block copolymers based on polyester and poly(amino methacrylate): Comprehensive study of reaction mechanisms. <i>Reactive and Functional Polymers</i> , <b>2008</b> , 68, 990-1003	4.6	30
77	Encapsulation and release by star-shaped block copolymers as unimolecular nanocontainers. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 650-660	2.5	28
76	Synthesis of poly(isobornyl acrylate) containing copolymers by atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 1649-1661	2.5	37
75	Combining Click Chemistry and step-growth polymerization for the generation of highly functionalized polyesters. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 6552-6564	2.5	59
74	Degradable Multilayer Films and Hollow Capsules via a Click Strategy. <i>Macromolecular Rapid Communications</i> , <b>2008</b> , 29, 1111-1118	4.8	80

73	Synthesis and characterization of polymer/clay nanocomposites by intercalated chain transfer agent. <i>European Polymer Journal</i> , <b>2008</b> , 44, 1949-1954	5.2	94
72	Multifunctional membranes for solvent resistant nanofiltration and pervaporation applications based on segmented polymer networks. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 16539-45	3.4	36
71	Morphological transition during the thermal deprotection of poly(isobornyl acrylate)-b-poly(1-ethoxyethyl acrylate). <i>Soft Matter</i> , <b>2007</b> , 3, 1537-1541	3.6	13
70	Cryogels from poly(2-hydroxyethyl methacrylate): macroporous, interconnected materials with potential as cell scaffolds. <i>Soft Matter</i> , <b>2007</b> , 3, 1176-1184	3.6	99
69	Functionalized Thermo-Responsive Poly(vinyl ether) by Living Cationic Random Copolymerization of Methyl Vinyl Ether and 2-Chloroethyl Vinyl Ether. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 1871-1882	2.6	23
68	Application of thermo-responsive poly(methyl vinyl ether) containing copolymers in combination with ultrasonic treatment for pigment surface modification in pigment dispersions. <i>Polymer</i> , <b>2007</b> , 48, 2636-2643	3.9	29
67	Carbocationic polymerizations. <i>Progress in Polymer Science</i> , <b>2007</b> , 32, 220-246	29.6	129
66	Evaluation of the Temperature Responsive Stationary Phase Poly(N-isopropylacrylamide) in Aqueous LC for the Analysis of Small Molecules. <i>Chromatographia</i> , <b>2007</b> , 66, 143-150	2.1	22
65	New poly(acrylic acid) containing segmented copolymer structures by combination of click chemistry and atom transfer radical polymerization. <i>Reactive and Functional Polymers</i> , <b>2007</b> , 67, 1168-1180	4.6	78
64	Fructose as a reducing agent for in situ generation of Cu(I) species via an electron-transfer reaction in copper-catalyzed living/controlled radical polymerization of styrene. <i>Designed Monomers and Polymers</i> , <b>2007</b> , 10, 425-438	3.1	5
63	Synthesis of multi(metallo)porphyrin dendrimers through nucleophilic aromatic substitution on meso-pyrimidinyl substituted porphyrins. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 2987-94	4.2	51
62	Star-Shaped Poly(tetrahydrofuran) with Reactive End Groups: Design, MALDI-TOF Study, and Solution Behavior. <i>Macromolecules</i> , <b>2006</b> , 39, 528-534	5.5	36
61	Coated wire potentiometric detection for capillary electrophoresis studied using organic amines, drugs, and biogenic amines. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 3772-9	7.8	45
60	pH-Responsive Diblock Copolymers Prepared by the Dual Initiator Strategy. <i>Macromolecules</i> , <b>2006</b> , 39, 3760-3769	5.5	47
59	End-group modified poly(methyl vinyl ether): Characterization and LCST demixing behavior in water. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2006</b> , 44, 461-469	2.6	23
58	Characteristics of new composite- and classical potentiometric sensors for the determination of pharmaceutical drugs. <i>Electrochimica Acta</i> , <b>2006</b> , 51, 5062-5069	6.7	15
57	Design of water-soluble block copolymers containing poly(4-vinylpyridine) by atom transfer radical polymerization. <i>European Polymer Journal</i> , <b>2006</b> , 42, 43-50	5.2	32
56	Physico-chemical interpretation of the SRNF transport mechanism for solutes through dense silicone membranes. <i>Journal of Membrane Science</i> , <b>2006</b> , 274, 173-182	9.6	54



55	Block, blocky gradient and random copolymers of 2-ethylhexyl acrylate and acrylic acid by atom transfer radical polymerization. <i>Polymer</i> , <b>2006</b> , 47, 6028-6037	3.9	39
54	Dual/heterofunctional initiators for the combination of mechanistically distinct polymerization techniques. <i>Progress in Polymer Science</i> , <b>2006</b> , 31, 671-722	29.6	166
53	MALDI-TOF Analysis of Dendrimer-like Poly(ethylene oxide)s. <i>Macromolecules</i> , <b>2005</b> , 38, 10609-10613	5.5	21
52	Preparation of star block co-polymers by combination of cationic ring opening polymerization and atom transfer radical polymerization. <i>Designed Monomers and Polymers</i> , <b>2005</b> , 8, 705-714	3.1	21
51	RAFT Polymerization of 1-Ethoxyethyl Acrylate: A Novel Route toward Near-Monodisperse Poly(acrylic acid) and Derived Block Copolymer Structures. <i>Macromolecules</i> , <b>2005</b> , 38, 7653-7659	5.5	66
50	Controlled Synthesis of an ABC Miktoarm Star-Shaped Copolymer by Sequential Ring-Opening Polymerization of Ethylene Oxide, Benzyl Malolactonate, and Caprolactone. <i>Macromolecules</i> , <b>2005</b> , 38, 10650-10657	5.5	44
49	Track etched membranes with thermo-adjustable porosity and separation properties by surface immobilization of poly(-vinylcaprolactam). <i>Journal of Membrane Science</i> , <b>2005</b> , 256, 64-64	9.6	43
48	Design of novel poly(methyl vinyl ether) containing AB and ABC block copolymers by the dual initiator strategy. <i>Polymer</i> , <b>2005</b> , 46, 8469-8482	3.9	47
47	Mesoglobules of thermoresponsive polymers in dilute aqueous solutions above the LCST. <i>Polymer</i> , <b>2005</b> , 46, 7118-7131	3.9	136
46	Introduction of silica into thermo-responsive poly(N-isopropyl acrylamide) hydrogels: A novel approach to improve response rates. <i>Polymer</i> , <b>2005</b> , 46, 9851-9862	3.9	62
45	Association behavior of thermo-responsive block copolymers based on poly(vinyl ethers). <i>Polymer</i> , <b>2005</b> , 46, 9899-9907	3.9	30
44	Pressure-enhanced dynamic heterogeneity in block copolymers of poly(methyl vinyl ether) and poly(isobutyl vinyl ether). <i>Physical Review E</i> , <b>2005</b> , 72, 011802	2.4	15
43	Fast, multi-responsive microgels based on photo-crosslinkable poly(2-(dimethylamino)ethyl methacrylate). <i>Polymer</i> , <b>2004</b> , 45, 6771-6778	3.9	36
42	Association Behavior between End-Functionalized Block Copolymers PEO-PPO-PEO and Poly(acrylic acid). <i>Macromolecular Chemistry and Physics</i> , <b>2004</b> , 205, 1774-1781	2.6	10
41	Block Copolymers of Vinyl Ethers as Thermo-Responsive Colloidal Stabilizers of Organic Pigments in Aqueous Media. <i>Macromolecular Chemistry and Physics</i> , <b>2004</b> , 205, 2457-2463	2.6	39
40	Segmented polymer networks based on poly(N-isopropyl acrylamide) and poly(tetrahydrofuran) as polymer membranes with thermo-responsive permeability. <i>Polymer</i> , <b>2004</b> , 45, 749-757	3.9	37
39	Solid state NMR study of segmented polymer networks: fine-tuning of phase morphology via their molecular design. <i>Polymer</i> , <b>2004</b> , 45, 7943-7951	3.9	22
38	Lactone End-Capped Poly(ethylene oxide) as a New Building Block for Biomaterials. <i>Macromolecules</i> , <b>2004</b> , 37, 9738-9745	5.5	56

37	Well-Defined (Co)polymers with 5-Vinyltetrazole Units via Combination of Atom Transfer Radical (Co)polymerization of Acrylonitrile and Click Chemistry-Type Postpolymerization Modification. <i>Macromolecules</i> , <b>2004</b> , 37, 9308-9313	5.5	148
36	Atom Transfer Radical Polymerization of 1-Ethoxyethyl (Meth)acrylate: Facile Route toward Near-Monodisperse Poly((meth)acrylic acid). <i>Macromolecules</i> , <b>2004</b> , 37, 6673-6675	5.5	56
35	Influence of Poly(ethylene oxide) Grafts on Kinetics of LCST Behavior in Aqueous Poly(N-vinylcaprolactam) Solutions and Networks Studied by Modulated Temperature DSC. <i>Macromolecules</i> , <b>2004</b> , 37, 1054-1061	5.5	101
34	The sol-gel approach towards thermo-responsive poly(N-isopropyl acrylamide) hydrogels with improved mechanical properties. <i>Macromolecular Symposia</i> , <b>2004</b> , 210, 483-491	0.8	12
33	Crosslinked Polyurethane-Based Gels. <i>Polymer Journal</i> , <b>2003</b> , 35, 353-358	2.7	4
32	Functional segmented polymer networks based on polytetrahydrofuran and poly(vinylbenzyl chloride). <i>E-Polymers</i> , <b>2003</b> , 3,	2.7	2
31	Light scattering and microcalorimetry studies on aqueous solutions of thermo-responsive PVCL-g-PEO copolymers. <i>Polymer</i> , <b>2003</b> , 44, 6807-6814	3.9	48
30	Thermo-Responsive Organic/Inorganic Hybrid Hydrogels based on Poly(N-vinylcaprolactam). <i>Macromolecular Chemistry and Physics</i> , <b>2003</b> , 204, 98-103	2.6	41
29	Block Copolymers of Methyl Vinyl Ether and Isobutyl Vinyl Ether With Thermo-Adjustable Amphiphilic Properties. <i>Macromolecular Chemistry and Physics</i> , <b>2003</b> , 204, 2090-2098	2.6	57
28	Thermo-Responsive and Emulsifying Properties of Poly(N-vinylcaprolactam) Based Graft Copolymers. <i>Macromolecular Chemistry and Physics</i> , <b>2003</b> , 204, 1217-1225	2.6	51
27	New thermo-responsive polymer materials based on poly(2-ethyl-2-oxazoline) segments. <i>Polymer</i> , <b>2003</b> , 44, 2255-2261	3.9	158
26	Segmented polymer networks containing amino-dendrimers. <i>Polymer International</i> , <b>2003</b> , 52, 191-197	3.3	15
25	New approach for the synthesis of amino-containing linear polymers. <i>Polymer International</i> , <b>2003</b> , 52, 1589-1594	3.3	7
24	pH- and thermo-responsive properties of poly(N-vinylcaprolactam-co-acrylic acid) copolymers. <i>Polymer International</i> , <b>2003</b> , 52, 1605-1610	3.3	62
23	Synthesis of poly(tetrahydrofuran)-b-polystyrene block copolymers from dual initiators for cationic ring-opening polymerization and atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , <b>2003</b> , 41, 3206-3217	2.5	60
22	Poly(ethylene oxide) containing segmented networks as precursors for ion-conducting solid-state materials. <i>Polymer International</i> , <b>2002</b> , 51, 1231-1237	3.3	7
21	Amphiphilic segmented polymer networks based on poly(2-alkyl-2-oxazoline) and poly(methyl methacrylate). <i>Polymer</i> , <b>2002</b> , 43, 4585-4590	3.9	38
20	Comparative Morphological Study of Poly(dioxolane)/Poly(methyl methacrylate) Segmented Networks and Blends by <sup>13</sup> C Solid-State NMR and Thermal Analysis. <i>Macromolecules</i> , <b>2002</b> , 35, 3965-3970	5.5	35

19	Thermoresponsive Properties of Poly(N-vinylcaprolactam)-Poly(ethylene oxide) Aqueous Systems: Solutions and Block Copolymer Networks. <i>Macromolecular Chemistry and Physics</i> , <b>2001</b> , 202, 1700-1709	2.6	38
18	Synthesis of PTHF-Grafted PMMA Based on the Reaction of Methyl Esters with Quaternary Ammonium Salts. <i>Macromolecules</i> , <b>2001</b> , 34, 761-767	5.5	1
17	Thermosensitive polymer structures based on segmented copolymer networks. <i>Macromolecular Symposia</i> , <b>2001</b> , 164, 293-300	0.8	24
16	New polymer architectures by cationic ring-opening polymerization. <i>Macromolecular Symposia</i> , <b>2000</b> , 153, 209-216	0.8	13
15	New self-crosslinkable copolymers based on N-methyl-N-vinylbenzylpyrrolidinium halide and methyl methacrylate. <i>Polymer International</i> , <b>2000</b> , 49, 288-292	3.3	3
14	Phase behaviour of poly( N -vinyl caprolactam) in water. <i>Polymer</i> , <b>2000</b> , 41, 8597-8602	3.9	220
13	Composition and self-irradiation effects on the positron annihilation lifetime properties of poly(ethylene-co-vinyl acetate). <i>Radiation Physics and Chemistry</i> , <b>2000</b> , 58, 497-501	2.5	4
12	Experimental results on the correlation between cross-linking, polarization and space charge in PMMA. <i>Polymer International</i> , <b>1999</b> , 48, 5-7	3.3	1
11	Polymer networks containing crystallizable poly(octadecyl vinyl ether) segments for shape-memory materials. <i>Macromolecular Rapid Communications</i> , <b>1999</b> , 20, 251-255	4.8	60
10	Segmented network structures for the separation of water/ethanol mixtures by pervaporation. <i>Polymer International</i> , <b>1998</b> , 46, 117-125	3.3	53
9	Thermalisation of Positronium in Polymers. <i>Materials Science Forum</i> , <b>1997</b> , 255-257, 62-66	0.4	
8	Solid-State NMR Study of the Multiphase Behavior of Linear and Cross-Linked Poly(1,3-dioxolane). <i>Macromolecules</i> , <b>1996</b> , 29, 4000-4005	5.5	7
7	Poly(ethylene oxide)/Poly(methyl methacrylate) (Semi-)interpenetrating Polymer Networks: Synthesis and Phase Diagrams. <i>Polymers for Advanced Technologies</i> , <b>1996</b> , 7, 257-264	3.2	6
6	Sophisticated macromolecular structures by cationic ring-opening polymerizations. <i>Macromolecular Symposia</i> , <b>1995</b> , 98, 185-192	0.8	8
5	Compatibilizing effect in interpenetrating polymer networks. <i>Macromolecular Chemistry and Physics</i> , <b>1995</b> , 196, 903-914	2.6	23
4	Simultaneous interpenetrating networks of a polyurethane and poly(methyl methacrylate). I. Metastable phase diagrams. <i>Journal of Applied Polymer Science</i> , <b>1995</b> , 58, 331-346	2.9	30
3	Simultaneous interpenetrating networks of a polyurethane and poly(methyl methacrylate). II. Partitioning of MMA monomer in the last stages of polymerization. <i>Journal of Applied Polymer Science</i> , <b>1995</b> , 58, 347-356	2.9	13
2	Tailored polymers by cationic ring-opening polymerization. <i>Angewandte Makromolekulare Chemie</i> , <b>1994</b> , 223, 1-11		9

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