

# Filip E Du Prez

## List of Publications by Citations

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324  
papers

14,903  
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64  
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106  
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348  
ext. papers

16,948  
ext. citations

6.7  
avg, IF

7.16  
L-index

#	Paper	IF	Citations
324	Vitrimers: permanent organic networks with glass-like fluidity. <i>Chemical Science</i> , <b>2016</b> , 7, 30-38	9.4	719
323	"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
322	Vinylogous Urethane Vitrimers. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2451-2457	15.6	492
321	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
320	Chemical control of the viscoelastic properties of vinylogous urethane vitrimers. <i>Nature Communications</i> , <b>2017</b> , 8, 14857	17.4	235
319	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
318	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
317	Phase behaviour of poly( N-vinyl caprolactam) in water. <i>Polymer</i> , <b>2000</b> , 41, 8597-8602	3.9	220
316	Chemistry of crosslinking processes for self-healing polymers. <i>Macromolecular Rapid Communications</i> , <b>2013</b> , 34, 290-309	4.8	219
315	Click-Inspired Chemistry in Macromolecular Science: Matching Recent Progress and User Expectations. <i>Macromolecules</i> , <b>2015</b> , 48, 2-14	5.5	203
314	Dynamic covalent chemistry in polymer networks: a mechanistic perspective. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 6091-6108	4.9	190
313	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
312	Multifunctionalized sequence-defined oligomers from a single building block. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 13261-4	16.4	179
311	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
310	One-Pot Thermo-Remendable Shape Memory Polyurethanes. <i>Macromolecules</i> , <b>2014</b> , 47, 2010-2018	5.5	159
309	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
308	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

307	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
306	Poly(thioether) Vitrimers via Transalkylation of Trialkylsulfonium Salts. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 930-934	4.6	147
305	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
304	Mesoglobules of thermoresponsive polymers in dilute aqueous solutions above the LCST. <i>Polymer</i> , <b>2005</b> , 46, 7118-7131	3.9	136
303	Carbocationic polymerizations. <i>Progress in Polymer Science</i> , <b>2007</b> , 32, 220-246	29.6	129
302	Vitrimers: directing chemical reactivity to control material properties. <i>Chemical Science</i> , <b>2020</b> , 11, 4855-4870	4.7	127
301	Vinylogous Urea Vitrimers and Their Application in Fiber Reinforced Composites. <i>Macromolecules</i> , <b>2018</b> , 51, 2054-2064	5.5	118
300	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
299	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
298	Click Chemistry as a Promising Tool for Side-Chain Functionalization of Polyurethanes. <i>Macromolecules</i> , <b>2008</b> , 41, 4622-4630	5.5	114
297	Triazolinediones as Highly Enabling Synthetic Tools. <i>Chemical Reviews</i> , <b>2016</b> , 116, 3919-74	68.1	111
296	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
295	Solvent-Resistant Nanofiltration Membranes Based on Multilayered Polyelectrolyte Complexes. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 3876-3883	9.6	110
294	Heterogeneous azide-alkyne click chemistry: towards metal-free end products. <i>Chemical Science</i> , <b>2012</b> , 3, 959-966	9.4	109
293	Polydimethylsiloxane quenchable vitrimers. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 6590-6593	4.9	104
292	Polytetrahydrofuran/Clay Nanocomposites by In Situ Polymerization and Click Chemistry Processes. <i>Macromolecules</i> , <b>2008</b> , 41, 6035-6040	5.5	102
291	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
290	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

289	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
288	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
287	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
286	Biodegradable microcapsules designed via 'click' chemistry. <i>Chemical Communications</i> , <b>2008</b> , 190-2	5.8	91
285	Multifunctional sequence-defined macromolecules for chemical data storage. <i>Nature Communications</i> , <b>2018</b> , 9, 4451	17.4	91
284	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
283	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
282	Kinetic comparison of 13 homogeneous thiol reactions. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 5527	4.9	87
281	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
280	Autonomous Self-Healing of Epoxy Thermosets with Thiol-Isocyanate Chemistry. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 5575-5583	15.6	85
279	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
278	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
277	Degradable Multilayer Films and Hollow Capsules via a Click Strategy. <i>Macromolecular Rapid Communications</i> , <b>2008</b> , 29, 1111-1118	4.8	80
276	Step-growth polymerization and click chemistry: The oldest polymers rejuvenated. <i>Polymer</i> , <b>2009</b> , 50, 3877-3886	3.9	79
275	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
274	Thiol-ene 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
273	Anthracene-containing polymers toward high-end applications. <i>Progress in Polymer Science</i> , <b>2018</b> , 82, 92-119	29.6	76
272	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

271	Double modular modification of thiolactone-containing polymers: towards polythiols and derived structures. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 1007	4.9	75
270	Rewritable Polymer Brush Micropatterns Grafted by Triazolinedione Click Chemistry. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13126-9	16.4	74
269	Fast processing of highly crosslinked, low-viscosity vitrimers. <i>Materials Horizons</i> , <b>2020</b> , 7, 104-110	14.4	74
268	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
267	"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
266	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
265	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
264	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
263	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
262	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
261	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
260	Diversely Substituted Polyamide Structures through Thiol-Ene Polymerization of Renewable Thiolactone Building Blocks. <i>Macromolecules</i> , <b>2014</b> , 47, 61-69	5.5	62
259	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
258	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
257	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
256	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
255	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
254	Fast Healing of Polyurethane Thermosets Using Reversible Triazolinedione Chemistry and Shape-Memory. <i>Macromolecules</i> , <b>2018</b> , 51, 3405-3414	5.5	59

253	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
252	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
251	Metal-Free Functionalization of Linear Polyurethanes by Thiol-Maleimide Coupling Reactions. <i>Macromolecules</i> , <b>2011</b> , 44, 7874-7878	5.5	56
250	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
249	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
248	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
247	Design of mixed PEO/PAA brushes with switchable properties toward protein adsorption. <i>Biomacromolecules</i> , <b>2013</b> , 14, 215-25	6.9	55
246	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
245	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
244	Protected thiol strategies in macromolecular design. <i>Progress in Polymer Science</i> , <b>2017</b> , 64, 76-113	29.6	52
243	Revealing the nature of thio-click reactions on the solid phase. <i>Chemical Communications</i> , <b>2011</b> , 47, 4652-48	5.4	52
242	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
241	Norbornenyl-Based RAFT Agents for the Preparation of Functional Polymers via Thiolene Chemistry. <i>Macromolecules</i> , <b>2011</b> , 44, 5619-5630	5.5	51
240	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
239	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
238	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
237	Biomass Approach toward Robust, Sustainable, Multiple-Shape-Memory Materials. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 602-606	6.6	51
236	Anthracene-Based Thiolene Networks with Thermo-Degradable and Photo-Reversible Properties. <i>Macromolecules</i> , <b>2017</b> , 50, 1930-1938	5.5	48

235	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
234	pH-Responsive Diblock Copolymers Prepared by the Dual Initiator Strategy. <i>Macromolecules</i> , <b>2006</b> , 39, 3760-3769	5.5	47
233	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
232	Synthesis and Self-Assembly of Amphiphilic Chiral Poly(amino acid) Star Polymers. <i>Macromolecules</i> , <b>2010</b> , 43, 5949-5955	5.5	46
231	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
230	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
229	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
228	Atom Transfer Radical Polymerization of Isobornyl Acrylate: A Kinetic Modeling Study. <i>Macromolecules</i> , <b>2010</b> , 43, 8766-8781	5.5	45
227	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
226	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
225	Controlled Synthesis of an ABC Miktoarm Star-Shaped Copolymer by Sequential Ring-Opening Polymerization of Ethylene Oxide, Benzyl Malolactonate, and $\epsilon$ -Caprolactone. <i>Macromolecules</i> , <b>2005</b> , 38, 10650-10657	5.5	44
224	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
223	Filler reinforced polydimethylsiloxane-based vitrimers. <i>Polymer</i> , <b>2019</b> , 172, 239-246	3.9	42
222	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
221	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
220	Internal catalysis for dynamic covalent chemistry applications and polymer science. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 8425-8438	58.5	42
219	Bifunctional Janus beads made by Sandwich microcontact printing using click chemistry. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 6190		41
218	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

217	Polyurea microcapsules with a photocleavable shell: UV-triggered release. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 763-772	4.9	41
216	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
215	Thermoplastic polyacetals: chemistry from the past for a sustainable future?. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 9-33	4.9	40
214	Efficient microencapsulation of a liquid isocyanate with in situ shell functionalization. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 1159-1170	4.9	39
213	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
212	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
211	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
210	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
209	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
208	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
207	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
206	Light-Stabilized Dynamic Materials. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 12329-12337	16.4	37
205	Synthesis of multi-functionalized hydrogels by a thiolactone-based synthetic protocol. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 5461	4.9	37
204	Renewable sulfur-containing thermoplastics via AB-type thiol-ene polyaddition. <i>European Polymer Journal</i> , <b>2013</b> , 49, 804-812	5.2	37
203	100% thiol-functionalized ethylene PMOs prepared by "thiol acid-ene" chemistry. <i>Chemical Communications</i> , <b>2013</b> , 49, 2344-6	5.8	37
202	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
201	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
200	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



199	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
198	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
197	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
196	On-demand click functionalization of polyurethane films and foams. <i>Polymer</i> , <b>2009</b> , 50, 5362-5367	3.9	35
195	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
194	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
193	Chemically orthogonal trifunctional Janus beads by photochemical "sandwich" microcontact printing. <i>Chemical Communications</i> , <b>2013</b> , 49, 63-5	5.8	34
192	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
191	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
190	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
189	Influence of the polymer matrix on the viscoelastic behaviour of vitrimers. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 5377-5385	4.9	32
188	Rigid Polyurethanes, Polyesters, and Polycarbonates from Renewable Ketal Monomers. <i>Macromolecules</i> , <b>2017</b> , 50, 5346-5352	5.5	32
187	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
186	Star-Shaped Polyacrylates: Highly Functionalized Architectures via CuAAC Click Conjugation. <i>Macromolecular Rapid Communications</i> , <b>2009</b> , 30, 2049-55	4.8	32
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