Maciej PodgÃ³rski

List of Publications by Year
in descending order

38 papers	1,465 citations	361413 20 h-index	345221 36 g-index
39 all docs	39 docs citations	39 times ranked	1380 citing authors

#	Article	IF	Citations
1	Shape Permanence in Diarylethene–Functionalized Liquid–Crystal Elastomers Facilitated by Thiol–Anhydride Dynamic Chemistry. Angewandte Chemie - International Edition, 2022, 61, .	13.8	22
2	Manipulating the Relative Rates of Reaction and Diffusion in a Holographic Photopolymer Based on Thiol–Ene Chemistry. Macromolecules, 2022, 55, 1822-1833.	4.8	13
3	Spatial and Temporal Control of Photomediated Disulfide–Ene and Thiol–Ene Chemistries for Two-Stage Polymerizations. Macromolecules, 2022, 55, 1811-1821.	4.8	7
4	Radical-disulfide exchange in thiol–ene–disulfidation polymerizations. Polymer Chemistry, 2022, 13, 3991-4003.	3.9	9
5	High Refractive Index Photopolymers by Thiol–Yne “Click”Polymerization. ACS Applied Materials & Interfaces, 2021, 13, 15647-15658.	8.0	34
6	Substituted Thiols in Dynamic Thiol–Thioester Reactions. Macromolecules, 2021, 54, 8341-8351.	4.8	11
7	Additive Manufacture of Dynamic Thiol–ene Networks Incorporating Anhydride-Derived Reversible Thioester Links. ACS Applied Materials & Interfaces, 2021, 13, 12789-12796.	8.0	29
8	Dynamic covalent chemistry (DCC) in dental restorative materials: Implementation of a DCC-based adaptive interface (AI) at the resin–filler interface for improved performance. Dental Materials, 2020, 36, 53-59.	3.5	11
9	Vinyl sulfonamide based thermosetting composites via thiol-Michael polymerization. Dental Materials, 2020, 36, 249-256.	3.5	6
10	Chemical recycling of poly(thiourethane) thermosets enabled by dynamic thiourethane bonds. Polymer Chemistry, 2020, 11, 6879-6883.	3.9	41
11	Phototriggered Base Amplification for Thiol-Michael Addition Reactions in Cross-linked Photopolymerizations with Efficient Dark Cure. Macromolecules, 2020, 53, 6331-6340.	4.8	16
12	Cross-Linked Polythiomethacrylate Esters Based on Naphthalene–Synthesis, Properties and Reprocessing. Materials, 2020, 13, 3021.	2.9	4
13	Holographic Photopolymer Material with High Dynamic Range (Î”n) via Thiol–Ene Click Chemistry. ACS Applied Materials & Interfaces, 2020, 12, 44103-44109.	8.0	30
14	Covalent Adaptable Networks: Toward Stimuli–Responsive Dynamic Thermosets through Continuous Development and Improvements in Covalent Adaptable Networks (CANs) (Adv. Mater. 20/2020). Advanced Materials, 2020, 32, 2070158.	21.0	5
15	Mixed mechanisms of bond exchange in covalent adaptable networks: monitoring the contribution of reversible exchange and reversible addition in thiol–succinic anhydride dynamic networks. Polymer Chemistry, 2020, 11, 5365-5376.	3.9	35
16	Thiol–Anhydride Dynamic Reversible Networks. Angewandte Chemie - International Edition, 2020, 59, 9345-9349.	13.8	57
17	Thiol–Anhydride Dynamic Reversible Networks. Angewandte Chemie, 2020, 132, 9431-9435.	2.0	15
18	Toward Stimuli–Responsive Dynamic Thermosets through Continuous Development and Improvements in Covalent Adaptable Networks (CANs). Advanced Materials, 2020, 32, e1906876.	21.0	273

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19	Structural Evidence That the Polymerization Rate Dictates Order and Intrinsic Strain Generation in Photocured Methacrylate Biomedical Polymers. Macromolecules, 2019, 52, 5377-5388.	4.8	12
20	Realizing High Refractive Index Thiol-X Materials: A General and Scalable Synthetic Approach. , 2019, 1, 582-588.		21
21	Thermal Metamorphosis in (Meth)acrylate Photopolymers: Stress Relaxation, Reshaping, and Second-Stage Reaction. Macromolecules, 2019, 52, 8114-8123.	4.8	6
22	Enabling Applications of Covalent Adaptable Networks. Annual Review of Chemical and Biomolecular Engineering, 2019, 10, 175-198.	6.8	134
23	Multifunctional monomers based on vinyl sulfonates and vinyl sulfonamides for crosslinking thiol-Michael polymerizations: monomer reactivity and mechanical behavior. Chemical Communications, 2018, 54, 3034-3037.	4.1	13
24	Mechanistic Modeling of the Thiolâ€“Michael Addition Polymerization Kinetics: Structural Effects of the Thiol and Vinyl Monomers. Macromolecules, 2018, 51, 5979-5988.	4.8	36
25	Assessment of TEMPO as a thermally activatable base generator and its use in initiation of thermally-triggered thiol-Michael addition polymerizations. Polymer Chemistry, 2018, 9, 4294-4302.	3.9	15
26	A readily programmable, fully reversible shape-switching material. Science Advances, 2018, 4, eaat4634.	10.3	146
27	Thermoreversible Folding as a Route to the Unique Shape-Memory Character in Ductile Polymer Networks. ACS Applied Materials & Interfaces, 2018, 10, 22739-22745.	8.0	13
28	Pristine Polysulfone Networks as a Class of Polysulfide-Derived High-Performance Functional Materials. Chemistry of Materials, 2016, 28, 5102-5109.	6.7	34
29	Visible-Light-Initiated Thiol-Michael Addition Polymerizations with Coumarin-Based Photobase Generators: Another Photoclick Reaction Strategy. ACS Macro Letters, 2016, 5, 229-233.	4.8	58
30	Ester-free thiol-X resins: new materials with enhanced mechanical behavior and solvent resistance. Polymer Chemistry, 2015, 6, 2234-2240.	3.9	48
31	Thiol-Michael addition miniemulsion polymerizations: functional nanoparticles and reactive latex films. Polymer Chemistry, 2015, 6, 3758-3763.	3.9	29
32	Ester-free thiolâ€“ene dental restorativesâ€”Part B: Composite development. Dental Materials, 2015, 31, 1263-1270.	3.5	29
33	Ester-free thiolâ€“ene dental restorativesâ€”Part A: Resin development. Dental Materials, 2015, 31, 1255-1262.	3.5	71
34	Programmable Mechanically Assisted Geometric Deformations of Glassy Two-Stage Reactive Polymeric Materials. ACS Applied Materials & Interfaces, 2014, 6, 6111-6119.	8.0	26
35	Visible-Light Initiated Thiol-Michael Addition Photopolymerization Reactions. ACS Macro Letters, 2014, 3, 315-318.	4.8	71
36	Development of Glassy Stepâ€Growth Thiolâ€Vinyl Sulfone Polymer Networks. Macromolecular Rapid Communications, 2014, 35, 1497-1502.	3.9	32

#	Article	IF	Citations
37	Temporal Control of Thiol-Click Chemistry. Chemistry of Materials, 2013, 25, 3897-3901.	6.7	52
38	Shape Permanence in Diaryletheneâ€Functionalized Liquidâ€Crystal Elastomers Facilitated by Thiolâ€Anhydride Dynamic Chemistry. Angewandte Chemie, 0, , .	2.0	1