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	Toward Stimuliâ€Responsive Dynamic Thermosets through Continuous Development and Improvements in Covalent Adaptable Networks (CANs). Advanced Materials, 2020, 32, e1906876.	21.0	273
2	A readily programmable, fully reversible shape-switching material. Science Advances, 2018, 4, eaat4634.	10.3	146
3	Enabling Applications of Covalent Adaptable Networks. Annual Review of Chemical and Biomolecular Engineering, 2019, 10, 175-198.	6.8	134
4	Visible-Light Initiated Thiol-Michael Addition Photopolymerization Reactions. ACS Macro Letters, 2014, 3, 315-318.	4.8	71
5	Ester-free thiolâ€“ene dental restorativesâ€”Part A: Resin development. Dental Materials, 2015, 31, 1255-1262.	3.5	71
6	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
7	Thiolâ€“Anhydride Dynamic Reversible Networks. Angewandte Chemie - International Edition, 2020, 59, 9345-9349.	13.8	57
8	Temporal Control of Thiol-Click Chemistry. Chemistry of Materials, 2013, 25, 3897-3901.	6.7	52
9	Ester-free thiol-X resins: new materials with enhanced mechanical behavior and solvent resistance. Polymer Chemistry, 2015, 6, 2234-2240.	3.9	48
10	Chemical recycling of poly(thiourethane) thermosets enabled by dynamic thiourethane bonds. Polymer Chemistry, 2020, 11, 6879-6883.	3.9	41
11	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
12	Mixed mechanisms of bond exchange in covalent adaptable networks: monitoring the contribution of reversible exchange and reversible addition in thiolâ€“succinic anhydride dynamic networks. Polymer Chemistry, 2020, 11, 5365-5376.	3.9	35
13	Pristine Polysulfone Networks as a Class of Polysulfide-Derived High-Performance Functional Materials. Chemistry of Materials, 2016, 28, 5102-5109.	6.7	34
14	High Refractive Index Photopolymers by Thiolâ€“Yne â€œClickâ€•Polymerization. ACS Applied Materials & Interfaces, 2021, 13, 15647-15658.	8.0	34
15	Development of Glassy Stepâ€Growth Thiolâ€Vinyl Sulfone Polymer Networks. Macromolecular Rapid Communications, 2014, 35, 1497-1502.	3.9	32
16	Holographic Photopolymer Material with High Dynamic Range (Î”n) via Thiolâ€“Ene Click Chemistry. ACS Applied Materials & Interfaces, 2020, 12, 44103-44109.	8.0	30
17	Thiol-Michael addition miniemulsion polymerizations: functional nanoparticles and reactive latex films. Polymer Chemistry, 2015, 6, 3758-3763.	3.9	29
18	Ester-free thiolâ€“ene dental restorativesâ€”Part B: Composite development. Dental Materials, 2015, 31, 1263-1270.	3.5	29

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19	Additive Manufacture of Dynamic Thiolâ€“ene Networks Incorporating Anhydride-Derived Reversible Thioester Links. ACS Applied Materials & Interfaces, 2021, 13, 12789-12796.	8.0	29
20	Programmable Mechanically Assisted Geometric Deformations of Glassy Two-Stage Reactive Polymeric Materials. ACS Applied Materials & Interfaces, 2014, 6, 6111-6119.	8.0	26
21	Shape Permanence in Diarylethereneâ€Functionalized Liquidâ€Crystal Elastomers Facilitated by Thiolâ€Anhydride Dynamic Chemistry. Angewandte Chemie - International Edition, 2022, 61, .	13.8	22
22	Realizing High Refractive Index Thiol-X Materials: A General and Scalable Synthetic Approach. , 2019, 1, 582-588.		21
23	Phototriggered Base Amplification for Thiol-Michael Addition Reactions in Cross-linked Photopolymerizations with Efficient Dark Cure. Macromolecules, 2020, 53, 6331-6340.	4.8	16
24	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
25	Thiolâ€“Anhydride Dynamic Reversible Networks. Angewandte Chemie, 2020, 132, 9431-9435.	2.0	15
26	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
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	Manipulating the Relative Rates of Reaction and Diffusion in a Holographic Photopolymer Based on Thiolâ€“Ene Chemistry. Macromolecules, 2022, 55, 1822-1833.	4.8	13
29	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
30	Dynamic covalent chemistry (DCC) in dental restorative materials: Implementation of a DCC-based adaptive interface (AI) at the resinâ€“filler interface for improved performance. Dental Materials, 2020, 36, 53-59.	3.5	11
31	Substituted Thiols in Dynamic Thiolâ€“Thioester Reactions. Macromolecules, 2021, 54, 8341-8351.	4.8	11
32	Radical-disulfide exchange in thiolâ€“eneâ€“disulfidation polymerizations. Polymer Chemistry, 2022, 13, 3991-4003.	3.9	9
33	Spatial and Temporal Control of Photomediated Disulfideâ€“Ene and Thiolâ€“Ene Chemistries for Two-Stage Polymerizations. Macromolecules, 2022, 55, 1811-1821.	4.8	7
34	Thermal Metamorphosis in (Meth)acrylate Photopolymers: Stress Relaxation, Reshaping, and Second-Stage Reaction. Macromolecules, 2019, 52, 8114-8123.	4.8	6
35	Vinyl sulfonamide based thermosetting composites via thiol-Michael polymerization. Dental Materials, 2020, 36, 249-256.	3.5	6
36	Covalent Adaptable Networks: Toward Stimuliâ€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

#	Article	IF	Citations
37	Cross-Linked Polythiomethacrylate Esters Based on Naphthaleneâ€"Synthesis, Properties and Reprocessing. Materials, 2020, 13, 3021.	2.9	4
38	Shape Permanence in Diaryletheneâ€Functionalized Liquidâ€Crystal Elastomers Facilitated by Thiolâ€Anhydride Dynamic Chemistry. Angewandte Chemie, 0, , .	2.0	1