

Shunsuke Chatani

List of Publications by Year in descending order

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16
papers

2,006
citations

759233

12
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940533

16
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16
all docs

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docs citations

16
times ranked

3264
citing authors

#	ARTICLE	IF	CITATIONS
1	The Thiol-Michael Addition Click Reaction: A Powerful and Widely Used Tool in Materials Chemistry. <i>Chemistry of Materials</i> , 2014, 26, 724-744.	6.7	1,193
2	The power of light in polymer science: photochemical processes to manipulate polymer formation, structure, and properties. <i>Polymer Chemistry</i> , 2014, 5, 2187-2201.	3.9	295
3	Relative reactivity and selectivity of vinyl sulfones and acrylates towards the thiol-Michael addition reaction and polymerization. <i>Polymer Chemistry</i> , 2013, 4, 1048-1055.	3.9	98
4	Triple Shape Memory Materials Incorporating Two Distinct Polymer Networks Formed by Selective Thiol-Michael Addition Reactions. <i>Macromolecules</i> , 2014, 47, 4949-4954.	4.8	88
5	Visible-Light Initiated Thiol-Michael Addition Photopolymerization Reactions. <i>ACS Macro Letters</i> , 2014, 3, 315-318.	4.8	71
6	Temporal Control of Thiol-Click Chemistry. <i>Chemistry of Materials</i> , 2013, 25, 3897-3901.	6.7	52
7	Ester-free thiol-X resins: new materials with enhanced mechanical behavior and solvent resistance. <i>Polymer Chemistry</i> , 2015, 6, 2234-2240.	3.9	48
8	Facile and Efficient Synthesis of Dendrimers and One-Pot Preparation of Dendritic-Linear Polymer Conjugates via a Single Chemistry: Utilization of Kinetically Selective Thiol-Michael Addition Reactions. <i>Macromolecules</i> , 2014, 47, 4894-4900.	4.8	37
9	Development of Glassy Step-Growth Thiol-Vinyl Sulfone Polymer Networks. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1497-1502.	3.9	32
10	Thiol-Michael addition miniemulsion polymerizations: functional nanoparticles and reactive latex films. <i>Polymer Chemistry</i> , 2015, 6, 3758-3763.	3.9	29
11	Programmable Mechanically Assisted Geometric Deformations of Glassy Two-Stage Reactive Polymeric Materials. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6111-6119.	8.0	26
12	Thermoreversible Folding as a Route to the Unique Shape-Memory Character in Ductile Polymer Networks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22739-22745.	8.0	13
13	Phosphonium Tetrphenylborate: A Photocatalyst for Visible-Light-Induced, Nucleophile-Initiated Thiol-Michael Addition Photopolymerization. <i>ACS Macro Letters</i> , 2021, 10, 84-89.	4.8	10
14	Use of poly(methyl methacrylate) with an unsaturated chain end as a macroinitiator precursor in organocatalyzed living radical block polymerization. <i>Polymer Chemistry</i> , 2018, 9, 4848-4855.	3.9	9
15	Synthesis of block copolymers using poly(methyl methacrylate) with unsaturated chain end through kinetic studies. <i>Polymer Chemistry</i> , 2019, 10, 5617-5625.	3.9	3
16	Synthesis of core-crosslinked star polymers via organocatalyzed living radical polymerization. <i>Polymer Chemistry</i> , 2021, 12, 4043-4051.	3.9	2