

Sudheendran Mavila

List of Publications by Citations

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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.

31
papers

905
citations

15
h-index

30
g-index

39
ext. papers

1,085
ext. citations

11.8
avg, IF

4.58
L-index

#	Paper	IF	Citations
31	Intramolecular Cross-Linking Methodologies for the Synthesis of Polymer Nanoparticles. <i>Chemical Reviews</i> , 2016 , 116, 878-961	68.1	272
30	Bistable and photoswitchable states of matter. <i>Nature Communications</i> , 2018 , 9, 2804	17.4	77
29	Polycyclooctadiene complexes of rhodium(I): direct access to organometallic nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5767-70	16.4	74
28	A general approach to mono- and bimetallic organometallic nanoparticles. <i>Chemical Science</i> , 2014 , 5, 4196-4203	9.4	60
27	A user's guide to the thiol-thioester exchange in organic media: scope, limitations, and applications in material science. <i>Polymer Chemistry</i> , 2018 , 9, 4523-4534	4.9	55
26	Photoclick Chemistry: A Bright Idea. <i>Chemical Reviews</i> , 2021 , 121, 6915-6990	68.1	37
25	Thiol-Anhydride Dynamic Reversible Networks. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9345-9349	16.4	35
24	Regioselective chromatic orthogonality with light-activated metathesis catalysts. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12384-8	16.4	33
23	Single-chain polybutadiene organometallic nanoparticles: an experimental and theoretical study. <i>Chemical Science</i> , 2016 , 7, 1773-1778	9.4	27
22	Productive Exchange of Thiols and Thioesters to Form Dynamic Polythioester-Based Polymers. <i>ACS Macro Letters</i> , 2018 , 7, 1312-1316	6.6	27
21	Dynamic and Responsive DNA-like Polymers. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13594-13598	16.5	26
20	Cyclopolymerization-derived block-copolymers of 4,4-bis(octyloxymethyl)-1,6-heptadiyne with 4,4-dipropargyl malonodinitrile for use in photovoltaics. <i>Polymer Chemistry</i> , 2013 , 4, 1590-1599	4.9	23
19	High Dynamic Range (̄) Two-Stage Photopolymers via Enhanced Solubility of a High Refractive Index Acrylate Writing Monomer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1217-1224	9.5	22
18	Mixed mechanisms of bond exchange in covalent adaptable networks: monitoring the contribution of reversible exchange and reversible addition in thiol-succinic anhydride dynamic networks. <i>Polymer Chemistry</i> , 2020 , 11, 5365-5376	4.9	19
17	A Continuous Bioreactor Prepared via the Immobilization of Trypsin on Aldehyde-Functionalized, Ring-Opening Metathesis Polymerization-Derived Monoliths. <i>Macromolecules</i> , 2010 , 43, 9601-9607	5.5	16
16	Holographic Photopolymer Material with High Dynamic Range (̄) via Thiol-Ene Click Chemistry. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44103-44109	9.5	15
15	Regioselective Chromatic Orthogonality with Light-Activated Metathesis Catalysts. <i>Angewandte Chemie</i> , 2015 , 127, 12561-12565	3.6	12

14	High Refractive Index Photopolymers by Thiol-Yne "Click" Polymerization. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 15647-15658	9.5	11
13	Realizing High Refractive Index Thiol-X Materials: A General and Scalable Synthetic Approach 2019 , 1, 582-588		10
12	Polycyclooctadiene Complexes of Rhodium(I): Direct Access to Organometallic Nanoparticles. <i>Angewandte Chemie</i> , 2013 , 125, 5879-5882	3.6	10
11	p-Doping and Fiber Spinning of Poly(heptadiyne)s. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 1047-1051	2.6	8
10	Production of dynamic lipid bilayers using the reversible thiol-thioester exchange reaction. <i>Chemical Communications</i> , 2018 , 54, 8108-8111	5.8	8
9	Towards High-Efficiency Synthesis of Xenonucleic Acids. <i>Trends in Chemistry</i> , 2020 , 2, 43-56	14.8	7
8	Thiol-Anhydride Dynamic Reversible Networks. <i>Angewandte Chemie</i> , 2020 , 132, 9431-9435	3.6	5
7	Heterogenization of ferrocene palladacycle catalysts on ROMP-derived monolithic supports and application to a Michael addition. <i>New Journal of Chemistry</i> , 2014 , 38, 5597-5607	3.6	5
6	Formation of lipid vesicles in situ utilizing the thiol-Michael reaction. <i>Soft Matter</i> , 2018 , 14, 7645-7652	3.6	3
5	Systematic Modulation and Structure-Property Relationships in Photopolymerizable Thermoplastics. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 1171-1181	4.3	2
4	Manipulating the Relative Rates of Reaction and Diffusion in a Holographic Photopolymer Based on Thiol-Yne Chemistry. <i>Macromolecules</i> , 2022 , 55, 1822-1833	5.5	2
3	Athermal, Chemically Triggered Release of RNA from Thioester Nucleic Acids. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	1
2	N-Heterocyclic Carbene-Ruthenium Complexes: A Prominent Breakthrough in Metathesis Reactions 2014 , 307-340		
1	Innentitelbild: Polycyclooctadiene Complexes of Rhodium(I): Direct Access to Organometallic Nanoparticles (Angew. Chem. 22/2013). <i>Angewandte Chemie</i> , 2013 , 125, 5762-5762	3.6	