

# Sudheendran Mavila

## List of Publications by Year in Descending Order

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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	Manipulating the Relative Rates of Reaction and Diffusion in a Holographic Photopolymer Based on Thiol-Ene Chemistry. <i>Macromolecules</i> , <b>2022</b> , 55, 1822-1833	5.5	2
30	Athermal, Chemically Triggered Release of RNA from Thioester Nucleic Acids. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	1
29	High Refractive Index Photopolymers by Thiol-Yne "Click" Polymerization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 15647-15658	9.5	11
28	Photoclick Chemistry: A Bright Idea. <i>Chemical Reviews</i> , <b>2021</b> , 121, 6915-6990	68.1	37
27	Systematic Modulation and Structure-Property Relationships in Photopolymerizable Thermoplastics. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 1171-1181	4.3	2
26	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> , <b>2020</b> , 11, 5365-5376	4.9	19
25	Thiol-Anhydride Dynamic Reversible Networks. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 9345-9349	16.4	35
24	Thiol-Anhydride Dynamic Reversible Networks. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 9431-9435	3.6	5
23	Holographic Photopolymer Material with High Dynamic Range ( $\beta$ ) via Thiol-Ene Click Chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 44103-44109	9.5	15
22	Towards High-Efficiency Synthesis of Xenonucleic Acids. <i>Trends in Chemistry</i> , <b>2020</b> , 2, 43-56	14.8	7
21	Realizing High Refractive Index Thiol-X Materials: A General and Scalable Synthetic Approach <b>2019</b> , 1, 582-588		10
20	High Dynamic Range ( $\beta$ ) Two-Stage Photopolymers via Enhanced Solubility of a High Refractive Index Acrylate Writing Monomer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1217-1224	9.5	22
19	Bistable and photoswitchable states of matter. <i>Nature Communications</i> , <b>2018</b> , 9, 2804	17.4	77
18	A user's guide to the thiol-thioester exchange in organic media: scope, limitations, and applications in material science. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 4523-4534	4.9	55
17	Dynamic and Responsive DNA-like Polymers. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13594-13598	16.5	26
16	Productive Exchange of Thiols and Thioesters to Form Dynamic Polythioester-Based Polymers. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 1312-1316	6.6	27
15	Formation of lipid vesicles in situ utilizing the thiol-Michael reaction. <i>Soft Matter</i> , <b>2018</b> , 14, 7645-7652	3.6	3

14	Production of dynamic lipid bilayers using the reversible thiol-thioester exchange reaction. <i>Chemical Communications</i> , <b>2018</b> , 54, 8108-8111	5.8	8
13	Single-chain polybutadiene organometallic nanoparticles: an experimental and theoretical study. <i>Chemical Science</i> , <b>2016</b> , 7, 1773-1778	9.4	27
12	Intramolecular Cross-Linking Methodologies for the Synthesis of Polymer Nanoparticles. <i>Chemical Reviews</i> , <b>2016</b> , 116, 878-961	68.1	272
11	Regioselective chromatic orthogonality with light-activated metathesis catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12384-8	16.4	33
10	Regioselective Chromatic Orthogonality with Light-Activated Metathesis Catalysts. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 12561-12565	3.6	12
9	A general approach to mono- and bimetallic organometallic nanoparticles. <i>Chemical Science</i> , <b>2014</b> , 5, 4196-4203	9.4	60
8	N-Heterocyclic Carbene Ruthenium Complexes: A Prominent Breakthrough in Metathesis Reactions <b>2014</b> , 307-340		
7	Heterogenization of ferrocene palladacycle catalysts on ROMP-derived monolithic supports and application to a Michael addition. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 5597-5607	3.6	5
6	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> , <b>2013</b> , 4, 1590-1599	4.9	23
5	Polycyclooctadiene complexes of rhodium(I): direct access to organometallic nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5767-70	16.4	74
4	p-Doping and Fiber Spinning of Poly(heptadiyne)s. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 1047-1051	2.6	8
3	Polycyclooctadiene Complexes of Rhodium(I): Direct Access to Organometallic Nanoparticles. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5879-5882	3.6	10
2	Innentitelbild: Polycyclooctadiene Complexes of Rhodium(I): Direct Access to Organometallic Nanoparticles (Angew. Chem. 22/2013). <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5762-5762	3.6	
1	A Continuous Bioreactor Prepared via the Immobilization of Trypsin on Aldehyde-Functionalized, Ring-Opening Metathesis Polymerization-Derived Monoliths. <i>Macromolecules</i> , <b>2010</b> , 43, 9601-9607	5.5	16