

Shin-Ichi Matsuoka

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Organocatalytic Tail-to-Tail Dimerization of Olefin: Umpolung of Methyl Methacrylate Mediated by N-Heterocyclic Carbene. <i>Organic Letters</i> , 2011, 13, 3722-3725.	4.6	185
2	N-Heterocyclic Carbene Initiated Anionic Polymerization of (E)-Methyl Sorbate and Subsequent Ring-Closing to Cyclic Poly(alkyl sorbate). <i>Journal of the American Chemical Society</i> , 2017, 139, 15005-15012.	13.7	78
3	Experimental Mechanistic Studies of the Tail-to-Tail Dimerization of Methyl Methacrylate Catalyzed by N-Heterocyclic Carbene. <i>Journal of Organic Chemistry</i> , 2013, 78, 8739-8747.	3.2	57
4	Cooperative N-Heterocyclic Carbene/Brønsted Acid Catalysis for the Tail-to-Tail (Co)dimerization of Methacrylonitrile. <i>Journal of Organic Chemistry</i> , 2014, 79, 4484-4491.	3.2	54
5	Oxa-Michael addition polymerization of acrylates catalyzed by N-heterocyclic carbenes. <i>Polymer Chemistry</i> , 2015, 6, 294-301.	3.9	54
6	Thiol-Mediated Controlled Ring-Opening Polymerization of Cysteine-Derived β -Thiolactone and Unique Features of Product Polythioester. <i>Biomacromolecules</i> , 2016, 17, 1135-1141.	5.4	49
7	N-Heterocyclic Carbene-Catalyzed Cyclotetramerization of Acrylates. <i>Organic Letters</i> , 2013, 15, 5916-5919.	4.6	40
8	Synthesis of Poly(1,3-adamantane)s by Cationic Ring-Opening Polymerization of 1,3-Dehydroadamantanes. <i>Macromolecules</i> , 2004, 37, 7069-7071.	4.8	35
9	Sequential one-pot and three-component reactions of an N-heterocyclic carbene to form 4-(1,2,4-triazol-5-ylidene)pyrrolidine-2,5-diones: a tandem umpolung/annulation sequence via deoxy-Breslow intermediates. <i>Tetrahedron</i> , 2012, 68, 9836-9841.	1.9	33
10	Ring-Opening Polymerizations of 1,3-Dehydroadamantanes: Synthesis of Novel Thermally Stable Poly(1,3-adamantane)s. <i>Macromolecules</i> , 2012, 45, 4184-4195.	4.8	32
11	Formation of Alternating Copolymers via Spontaneous Copolymerization of 1,3-Dehydroadamantane with Electron-Deficient Vinyl Monomers. <i>Journal of the American Chemical Society</i> , 2006, 128, 8708-8709.	13.7	29
12	N-Heterocyclic carbene-catalyzed dimerization, cyclotetramerization and polymerization of Michael acceptors. <i>Polymer Journal</i> , 2015, 47, 713-718.	2.7	25
13	Expanding the Scope of the Tail-to-Tail Dimerization of Vinyl Compounds Catalyzed by N-Heterocyclic Carbene. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1093-1099.	3.2	24
14	Organocatalytic head-to-tail dimerization of methacrolein via conjugate addition of methanol: an alcohol activation mechanism proved by electrospray ionization mass spectrometry. <i>Tetrahedron Letters</i> , 2011, 52, 6835-6838.	1.4	22
15	Transfer hydrogenation promoted by N-heterocyclic carbene and water. <i>Chemical Communications</i> , 2015, 51, 13906-13909.	4.1	18
16	Ring-opening polymerization of thiolactide by using thiol-amine combination. <i>Polymer</i> , 2021, 215, 123386.	3.8	18
17	Tail-to-tail dimerization and Rauhut-Currier reaction of disubstituted Michael acceptors catalyzed by N-heterocyclic carbene. <i>Tetrahedron Letters</i> , 2016, 57, 5707-5711.	1.4	17
18	N-Heterocyclic carbene-mediated redox condensation of alcohols. <i>Chemical Communications</i> , 2016, 52, 8569-8572.	4.1	15

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19	Polymeric Oligothiophene Fluorophores Spatially Isolated by Spirobifluorene and Their Emission Properties. <i>Macromolecules</i> , 2007, 40, 8807-8811.	4.8	11
20	Synthesis, reaction, and optical properties of cyclic oligomers bearing 9,10-diphenylanthracene based on an aromatic tertiary amide unit. <i>RSC Advances</i> , 2014, 4, 6752.	3.6	11
21	Tail-to-tail Cross-dimerization of Methyl Methacrylate/Methacrylonitrile with Acrylates Catalyzed by N-Heterocyclic Carbene. <i>Chemistry Letters</i> , 2017, 46, 983-986.	1.3	10
22	Oxa-Michael Addition Reaction and Polymerization of Morita-Baylis-Hillman Adducts and Derivatives. <i>Chemistry Letters</i> , 2017, 46, 1718-1720.	1.3	10
23	Hydrogen-transfer and condensation-addition polymerizations of acrylic acid. <i>Polymer Chemistry</i> , 2018, 9, 2984-2990.	3.9	10
24	Ring-Opening Metathesis Polymerization of <i>endo</i> - and <i>exo</i> -Norbornene Lactones. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000326.	3.9	10
25	Poly(ethylene glycol)-induced acceleration of free radical polymerization of methyl methacrylate: effects of highly viscous solvent and kinetic study. <i>Polymer Journal</i> , 2010, 42, 368-374.	2.7	9
26	Preparation of Molecular Cage by Coordination of <i>m</i> -Calix[3]amide Bearing Pyridine with Palladium Complex. <i>Chemistry Letters</i> , 2012, 41, 249-251.	1.3	9
27	Lewis Acid-catalyzed Ring-opening Addition Reactions of Alcohols to Vinylcyclopropane. <i>Chemistry Letters</i> , 2015, 44, 1532-1534.	1.3	8
28	Post-polymerization modification of unsaturated polyesters by Michael addition of N-heterocyclic carbenes. <i>Polymer Journal</i> , 2017, 49, 423-428.	2.7	6
29	Lewis Pair Radical Polymerization <i>On-Water</i> . <i>Macromolecules</i> , 2021, 54, 3-10.	4.8	5
30	Four Stereoisomeric Norbornadiene Dimers Containing a Cyclopropane Ring: ROMP, Polymer Properties, and Post-Polymerization Modification. <i>Macromolecules</i> , 2022, 55, 6811-6819.	4.8	5
31	Ring-opening polymerization of donor-acceptor cyclopropanes catalyzed by Lewis acids. <i>Polymer Chemistry</i> , 2017, 8, 3841-3847.	3.9	4
32	Polycondensation of methacrylates: auto-tandem organocatalysis using N-heterocyclic carbenes. <i>Polymer Chemistry</i> , 2018, 9, 5295-5302.	3.9	4
33	Enhanced Activity of the Tail-to-tail Dimerization of Michael Acceptors Catalyzed by N-Heterocyclic Carbene and Subsequent Polymer Synthesis from the Resulting Dimers. <i>Chemistry Letters</i> , 2019, 48, 558-561.	1.3	4
34	Anionic polymerization of acrylic thioester by using organic base. <i>Polymer Chemistry</i> , 2020, 11, 1145-1150.	3.9	4
35	Cooligomerization of $\hat{\gamma}$ -butyrolactone with (meth)acrylates catalyzed by N-heterocyclic carbene: Low possibility of hybrid copolymerization. <i>Polymer</i> , 2021, 228, 123953.	3.8	2
36	Addition copolymerization of norbornene lactone catalyzed by Pd complexes. <i>Journal of Polymer Science</i> , 2021, 59, 1952-1957.	3.8	2

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37	Solid-State Esterification via Ionic-to-Covalent Bond Transformation in Ionic Molecular Crystals Consisting of Disubstituted Anthracene Anion-Cation Combinations. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 343-348.	3.2	1
38	Lewis Pair RAFT Polymerization of Methacrylates on-Water: Evidence of Radical Propagation Mechanism. <i>Chemistry Letters</i> , 2022, 51, 477-480.	1.3	1