

Yoshiaki Yoshida

List of Publications by Year in descending order

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74
papers

2,524
citations

185998

28
h-index

197535

49
g-index

74
all docs

74
docs citations

74
times ranked

2120
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic activity of various salts in the reaction of 2,3-epoxypropyl phenyl ether and carbon dioxide under atmospheric pressure. <i>Journal of Organic Chemistry</i> , 1993, 58, 6198-6202.	1.7	425
2	Radical ring-opening polymerization. <i>Journal of Polymer Science Part A</i> , 2001, 39, 265-276.	2.5	115
3	Preparation of 1,3-Oxathiolane-2-thiones by the Reaction of Oxirane and Carbon Disulfide. <i>Journal of Organic Chemistry</i> , 1995, 60, 473-475.	1.7	106
4	A Novel Construction of a Reversible Fixation~Release System of Carbon Dioxide by Amidines and Their Polymers. <i>Macromolecules</i> , 2004, 37, 2007-2009.	2.2	95
5	Reversible Trap~Release of CO ₂ by Polymers Bearing DBU and DBN Moieties. <i>Macromolecules</i> , 2008, 41, 1229-1236.	2.2	93
6	Polypeptide Functional Surface for the Aptamer Immobilization: Electrochemical Cocaine Biosensing. <i>Analytical Chemistry</i> , 2016, 88, 4161-4167.	3.2	91
7	Amidine-mediated delivery of CO ₂ from gas phase to reaction system for highly efficient synthesis of cyclic carbonates from epoxides. <i>Green Chemistry</i> , 2010, 12, 42-44.	4.6	80
8	Accordion-like Oscillation of Contracted and Stretched Helices of Polyacetylenes Synchronized with the Restricted Rotation of Side Chains. <i>Journal of the American Chemical Society</i> , 2013, 135, 4110-4116.	6.6	76
9	Synthesis and reaction of polymethacrylate bearing cyclic carbonate moieties in the side chain. <i>Die Makromolekulare Chemie</i> , 1992, 193, 1481-1492.	1.1	75
10	Effective synthesis of cyclic carbonates from carbon dioxide and epoxides by phosphonium iodides as catalysts in alcoholic solvents. <i>Tetrahedron Letters</i> , 2013, 54, 7031-7034.	0.7	73
11	Convenient synthesis of cyclic carbonates from CO ₂ and epoxides by simple secondary and primary ammonium iodides as metal-free catalysts under mild conditions and its application to synthesis of polymer bearing cyclic carbonate moiety. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1230-1242.	2.5	71
12	Synthesis and characterization of conducting polymers containing polypeptide and ferrocene side chains as ethanol biosensors. <i>Polymer Chemistry</i> , 2014, 5, 6295-6306.	1.9	52
13	Irreversible helix rearrangement from <i>Cis</i> ~ <i>transoid</i> to <i>Cis</i> ~ <i>cisoid</i> in poly(<i>p</i> ~ <i>n</i> ~hexyloxyphenylacetylene) induced by heat~treatment in solid phase. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3008-3015.	2.5	48
14	Synthesis and properties of polyhydroxyurethane bearing silicone backbone. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1113-1118.	2.5	48
15	Dependence of Ring-Opening Reaction of Five-Membered Dithiocarbonates on Cationic Catalyst:~Control of Isomerization and Polymerization. <i>Macromolecules</i> , 1998, 31, 2454-2460.	2.2	47
16	Polypeptide with electroactive endgroups as sensing platform for the abused drug ~methamphetamine~™ by bioelectrochemical method. <i>Talanta</i> , 2016, 161, 789-796.	2.9	46
17	Electrochemical deposition of polypeptides: bio-based covering materials for surface design. <i>Polymer Chemistry</i> , 2014, 5, 3929-3936.	1.9	45
18	A Novel Construction of Living Polymerization by Neighboring Group Participation:~Living Cationic Ring-Opening Polymerization of a Five-Membered Cyclic Dithiocarbonate. <i>Macromolecules</i> , 1998, 31, 9093-9095.	2.2	42

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19	Synthesis and solid state helix to helix rearrangement of poly(phenylacetylene) bearing n-octyl alkyl side chains. <i>Polymer Chemistry</i> , 2014, 5, 971-978.	1.9	38
20	Synthesis and reaction of polymers bearing 5-membered cyclic dithiocarbonate group. <i>Journal of Polymer Science Part A</i> , 1995, 33, 1005-1010.	2.5	37
21	Useful synthetic method of polypeptides with well-defined structure by polymerization of activated urethane derivatives of α -amino acids. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2527-2532.	2.5	37
22	Phosgene-free synthesis of polypeptides: Useful synthesis for hydrophobic polypeptides through polycondensation of activated urethane derivatives of α -amino acids. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3726-3731.	2.5	37
23	Remarkably Efficient Catalysts of Amidine Hydroiodides for the Synthesis of Cyclic Carbonates from Carbon Dioxide and Epoxides under Mild Conditions. <i>Chemistry Letters</i> , 2012, 41, 240-241.	0.7	35
24	Structural determination of stretched helix and contracted helix having yellow and red colors of poly(2-ethynyl-naphthalene) prepared with a [Rh(norbornadiene)Cl] ₂ -triethylamine catalyst. <i>Polymer</i> , 2014, 55, 2356-2361.	1.8	35
25	Facile synthesis and crosslinking reaction of trifunctional five-membered cyclic carbonate and dithiocarbonate. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5983-5989.	2.5	34
26	Mutual conversion between stretched and contracted helices accompanied by a drastic change in color and spatial structure of poly(phenylacetylene) prepared with a [Rh(nbd)Cl] ₂ -amine catalyst. <i>Journal of Polymer Science Part A</i> , 2014, 52, 752-759.	2.5	32
27	Star-Shaped Polymer Synthesis by Anionic Polymerization of Propylene Sulfide Based on Trifunctional Initiator Derived from Trifunctional Five-Membered Cyclic Dithiocarbonate. <i>Macromolecules</i> , 2004, 37, 8823-8824.	2.2	29
28	Syntheses of 2-phenyl-3-vinylloxirane derivatives that undergo radical ring-opening polymerization. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1985, 23, 1931-1938.	0.8	28
29	Radical polymerization behavior of a vinyl monomer bearing five-membered cyclic carbonate structure and reactions of the obtained polymers with amines. <i>Journal of Polymer Science Part A</i> , 2005, 43, 584-592.	2.5	28
30	Bioapplications of Polythiophene-g-Polyphenylalanine-Covered Surfaces. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1868-1878.	1.1	28
31	Preparation of a zwitterionic polymer based on γ -cysteine for recovery application of precious metals. <i>RSC Advances</i> , 2016, 6, 108689-108696.	1.7	28
32	A novel one-pot oxidation polymerization of dithiols obtained from bifunctional five-membered cyclic dithiocarbonates with amines. <i>Journal of Polymer Science Part A</i> , 1998, 36, 79-84.	2.5	27
33	Contracted helix to stretched helix Rearrangement of an aromatic polyacetylene prepared in n-hexane with [Rh(norbornadiene)Cl] ₂ -triethylamine catalyst. <i>Journal of Polymer Science Part A</i> , 2013, 51, 5177-5183.	2.5	27
34	Helix oscillation of polyacetylene esters detected by dynamic ¹ H NMR, IR, and UV-vis methods in solution. <i>Polymer Chemistry</i> , 2013, 4, 2982.	1.9	24
35	Capture and release of CO ₂ by polyamidine. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3404-3411.	2.5	24
36	Cationic isomerization and ring-opening polymerization of a five-membered dithiocarbonate: The first example for control of isomerization and polymerization. <i>Journal of Polymer Science Part A</i> , 1997, 35, 3853-3856.	2.5	23

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37	An immunoelectrochemical platform for the biosensing of $\hat{\sim}$ Cocaine use $\hat{\sim}$ ™. Sensors and Actuators B: Chemical, 2017, 246, 310-318.	4.0	23
38	Efficient Chemical Recycling System of Networked Polymer: $\hat{\sim}$ De-Cross-Linking of Cross-Linked Polymer Obtained from Bis(five-membered cyclic dithiocarbonate). Macromolecules, 2005, 38, 4065-4066.	2.2	20
39	Computational evaluation of radical ring-opening polymerization. Journal of Polymer Science Part A, 2007, 45, 2827-2834.	2.5	19
40	Fast equilibrium of zwitterionic adduct formation in reversible fixation $\hat{\sim}$ release system of CO ₂ by amidines under dry conditions. Tetrahedron, 2013, 69, 5476-5480.	1.0	19
41	Synthesis of a norbornene monomer having cyclic carbonate moiety based on CO ₂ fixation and its transition metal $\hat{\sim}$ catalyzed polymerizations. Journal of Polymer Science Part A, 2010, 48, 3896-3902.	2.5	18
42	Polycondensation of $\hat{\sim}$ -hydroxy carboxylic acid derived from L-phenylalanine and ethylene carbonate. Journal of Polymer Science Part A, 1996, 34, 1819-1822.	2.5	17
43	Complex Structured Fluorescent Polythiophene Graft Copolymer as a Versatile Tool for Imaging, Targeted Delivery of Paclitaxel, and Radiotherapy. Biomacromolecules, 2016, 17, 2399-2408.	2.6	17
44	Radical polymerization behavior and thermal properties of vinyl ethylene carbonate derivatives bearing aromatic moieties. Polymer, 2016, 102, 167-175.	1.8	16
45	Synthesis and thermal properties of vinyl copolymers with phenyl vinyl ethylene carbonate and N-substituted maleimides undergoing color change with acid $\hat{\sim}$ base switching. Polymer Chemistry, 2016, 7, 6770-6778.	1.9	15
46	Surface Modification with a Catechol-Bearing Polypeptide and Sensing Applications. Biomacromolecules, 2018, 19, 3067-3076.	2.6	15
47	Cationic Ring-Opening Polymerization of Cyclic Monothiocarbonates: $\hat{\sim}$ Varying the Polymer Main Chain by Neighboring Group Participation. Macromolecules, 2001, 34, 7642-7647.	2.2	14
48	Synthesis and application of a novel poly-L-phenylalanine electroactive macromonomer as matrix for the biosensing of $\hat{\sim}$ Abused Drug $\hat{\sim}$ ™ model. Polymer Chemistry, 2016, 7, 7304-7315.	1.9	14
49	Reversible fixation and release of carbon dioxide with a binary system consisting of polyethylene glycol and polystyrene $\hat{\sim}$ bearing cyclic amidine pendant group. Journal of Polymer Science Part A, 2014, 52, 2025-2031.	2.5	13
50	Cationic ring-opening polymerization of a five membered cyclic dithiocarbonate having a tertiary amine moiety. Polymer Chemistry, 2022, 13, 267-274.	1.9	12
51	Reprocessable Aliphatic Polydithiourethanes Based on the Reversible Addition Reaction of Diisothiocyanates and Dithiols. Macromolecules, 2019, 52, 6080-6087.	2.2	11
52	CO ₂ capture capacity of five- and six-membered cyclic amidines bearing silatranyl group under dry conditions. Tetrahedron, 2017, 73, 1529-1533.	1.0	10
53	Phosgene $\hat{\sim}$ Free Synthesis of Poly($\hat{\sim}$ cysteine) Containing Styrene Moiety as a Reactive Function. Macromolecular Chemistry and Physics, 2017, 218, 1700078.	1.1	10
54	Living cationic ring $\hat{\sim}$ opening polymerization of five $\hat{\sim}$ membered cyclic dithiocarbonate controlled by neighboring group participation of carbamate group. Journal of Polymer Science Part A, 2007, 45, 4459-4464.	2.5	9

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55	Phosgene-free and Chemoselective Synthesis of Novel Polyureas from Activated α -Lysine with Diphenyl Carbonate. <i>Macromolecules</i> , 2020, 53, 6809-6815.	2.2	9
56	Synthesis of five- and six-membered cyclic guanidines by guanylation with isothiuronium iodides and amines under mild conditions. <i>Synthetic Communications</i> , 2017, 47, 442-448.	1.1	8
57	Synthesis and solid-state properties of crosslinked alternating copolymers of phenyl vinylene carbonate and <i>N</i> -substituted maleimides. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45247.	1.3	7
58	Proposed Mechanism for the High-Yield Polymerization of Oxyethyl Propiolates with Rh Complex Catalyst Using the Density Functional Theory Method. <i>Polymers</i> , 2019, 11, 93.	2.0	6
59	Synthesis of poly(hydroxyurethane) from five-membered cyclic carbonate under mild conditions in the presence of bicyclic guanidine and their reaction process. <i>Journal of Polymer Science</i> , 2021, 59, 502-509.	2.0	6
60	Color change of alternating copolymers with phenyl vinylene carbonate and <i>N</i> -phenylmaleimide in a solution and in the solid-state, depending on their structure. <i>RSC Advances</i> , 2017, 7, 9373-9380.	1.7	5
61	Substituent dependence of imidazoline derivatives on the capture and release system of carbon dioxide. <i>New Journal of Chemistry</i> , 2017, 41, 14390-14396.	1.4	5
62	Radical Ring-Opening Polymerization Behavior of Halogenated Phenyl-3-vinylloxiranes. <i>Polymer Journal</i> , 1995, 27, 757-761.	1.3	4
63	Selective formation of a zwitterion adduct and bicarbonate salt in the efficient CO ₂ fixation by <i>N</i> -benzyl cyclic guanidine under dry and wet conditions. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2204-2211.	1.3	3
64	Synthesis and fundamental properties of methacrylate polymer containing five-membered cyclic trithiocarbonate group. <i>Journal of Polymer Science</i> , 2020, 58, 2126-2133.	2.0	3
65	Well-Defined Construction of Functional Macromolecular Architectures Based on Polymerization of Amino Acid Urethanes. <i>Biomedicines</i> , 2020, 8, 317.	1.4	3
66	Synthesis of thiourethanes and poly(thiourethane)s bearing carboxylic groups by nucleophilic acylation using cyclic acid anhydrides. <i>Polymer Bulletin</i> , 2016, 73, 1627-1637.	1.7	2
67	Strictly Alternating Sequences When Copolymerizing Racemic and Chiral Acetylene Monomers with an Organo-Rhodium Catalyst. <i>Macromolecules</i> , 2017, 50, 1291-1301.	2.2	2
68	Synthesis of polydithiourethanes and their thermal, optical, and mechanical properties originated from monomers structure. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2255-2262.	2.5	2
69	Synthesis and physical properties of poly(urethane)s using vicinal diols derived from acrylate and styrene monomers. <i>Journal of Polymer Science Part A</i> , 2019, 57, 799-805.	2.5	2
70	Methoxy-Group Control of Helical Pitch in Stereoregular Poly(2-ethynylmethoxynaphthalene) Prepared by Rhodium Complex Catalyst. <i>Polymers</i> , 2019, 11, 94.	2.0	2
71	Curing behavior and properties of epoxy monomers with ethylenediaminetetraacetic dianhydride. <i>Journal of Applied Polymer Science</i> , 0, , 51626.	1.3	2
72	Synthesis and characterization of polyurethanes bearing carbosilane segments. <i>RSC Advances</i> , 2016, 6, 94803-94808.	1.7	1

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73	Synthesis of polymethacrylate bearing benzocyclobutene structure and extension to networked polymer based on thermal isomerization. Journal of Polymer Science Part A, 2019, 57, 2175-2180.	2.5	1
74	Synthesis and decrosslinking of networked polymers having zwitterion structure consisted by cyclic amidine and isothiocyanate. Journal of Polymer Science Part A, 2019, 57, 2131-2137.	2.5	0