

Shigeru Yamago

List of Publications by Year in descending order

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210
papers

12,427
citations

24978

57
h-index

30848

102
g-index

252
all docs

252
docs citations

252
times ranked

5641
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoinduced biochemical activity of fullerene carboxylic acid. <i>Journal of the American Chemical Society</i> , 1993, 115, 7918-7919.	6.6	603
2	Synthesis of [8]Cycloparaphenylene from a Square-Shaped Tetranuclear Platinum Complex. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 757-759.	7.2	497
3	Selective and Random Syntheses of [n]Cycloparaphenylenes (n = 8–13) and Size Dependence of Their Electronic Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 8354-8361.	6.6	445
4	Precision Polymer Synthesis by Degenerative Transfer Controlled/Living Radical Polymerization Using Organotellurium, Organostibine, and Organobismuthine Chain-Transfer Agents. <i>Chemical Reviews</i> , 2009, 109, 5051-5068.	23.0	408
5	Size-Selective Encapsulation of C ₆₀ by [10]Cycloparaphenylene: Formation of the Shortest Fullerene-Peapod. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8342-8344.	7.2	407
6	In vivo biological behavior of a water-miscible fullerene: ¹⁴ C labeling, absorption, distribution, excretion and acute toxicity. <i>Chemistry and Biology</i> , 1995, 2, 385-389.	6.2	353
7	Organotellurium Compounds as Novel Initiators for Controlled/Living Radical Polymerizations. Synthesis of Functionalized Polystyrenes and End-Group Modifications. <i>Journal of the American Chemical Society</i> , 2002, 124, 2874-2875.	6.6	252
8	Organoplatinum-Mediated Synthesis of Cyclic Conjugated Molecules: Towards a New Era of Three-Dimensional Aromatic Compounds. <i>Chemical Record</i> , 2014, 14, 84-100.	2.9	204
9	Size- and Orientation-Selective Encapsulation of C ₇₀ by Cycloparaphenylenes. <i>Chemistry - A European Journal</i> , 2013, 19, 14061-14068.	1.7	197
10	Synthesis and Characterization of [5]Cycloparaphenylene. <i>Journal of the American Chemical Society</i> , 2014, 136, 2284-2287.	6.6	196
11	Highly Versatile Organostibine Mediators for Living Radical Polymerization. <i>Journal of the American Chemical Society</i> , 2004, 126, 13908-13909.	6.6	189
12	Tailored Synthesis of Structurally Defined Polymers by Organotellurium-Mediated Living Radical Polymerization (TERP): A Synthesis of Poly(meth)acrylate Derivatives and Their Di- and Triblock Copolymers. <i>Journal of the American Chemical Society</i> , 2002, 124, 13666-13667.	6.6	187
13	Biological Activity of Water-Soluble Fullerenes. Structural Dependence of DNA Cleavage, Cytotoxicity, and Enzyme Inhibitory Activities Including HIV-Protease Inhibition. <i>Bulletin of the Chemical Society of Japan</i> , 1996, 69, 2143-2151.	2.0	185
14	Mechanism-Based Invention of High-Speed Living Radical Polymerization Using Organotellurium Compounds and Azo-Initiators. <i>Journal of the American Chemical Society</i> , 2003, 125, 8720-8721.	6.6	183
15	Organotellurium-Mediated Controlled/Living Radical Polymerization Initiated by Direct C–Te Bond Photolysis. <i>Journal of the American Chemical Society</i> , 2009, 131, 2100-2101.	6.6	173
16	Development of organotellurium-mediated and organostibine-mediated living radical polymerization reactions. <i>Journal of Polymer Science Part A</i> , 2006, 44, 1-12.	2.5	165
17	Recent progress in the use of photoirradiation in living radical polymerization. <i>Polymer</i> , 2013, 54, 981-994.	1.8	165
18	[3 + 2] and [4 + 2] Cycloadditions of fullerene C ₆₀ . <i>Journal of the American Chemical Society</i> , 1993, 115, 1594-1595.	6.6	163

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19	Size-dependent fluorescence properties of [n]cycloparaphenylenes (n = 8–13), hoop-shaped π -conjugated molecules. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14585.	1.3	150
20	Thermal Reactions of Dipolar Trimethylenemethane Species. <i>Accounts of Chemical Research</i> , 2002, 35, 867-877.	7.6	146
21	Highly Controlled Living Radical Polymerization through Dual Activation of Organobismuthines. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1304-1306.	7.2	140
22	Synthesis and physical properties of a ball-like three-dimensional π -conjugated molecule. <i>Nature Communications</i> , 2013, 4, 2694.	5.8	139
23	Synthesis, Characterization, and Properties of [4]Cyclo[2,7]pyrenylene: Effects of Cyclic Structure on the Electronic Properties of Pyrene Oligomers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6430-6434.	7.2	138
24	Thermo-Responsive Diblock Copolymers of Poly(<i>N</i> -isopropylacrylamide) and Poly(<i>N</i> -vinyl-2-pyrrolidone) Synthesized via Organotellurium-Mediated Controlled Radical Polymerization (TERP). <i>Macromolecules</i> , 2007, 40, 5907-5915.	2.2	127
25	A Systematic Study on Activation Processes in Organotellurium-Mediated Living Radical Polymerizations of Styrene, Methyl Methacrylate, Methyl Acrylate, and Vinyl Acetate. <i>Macromolecules</i> , 2006, 39, 4671-4679.	2.2	121
26	Practical Synthesis of [n]Cycloparaphenylenes (n = 5, 7–12) by $H_2/SnCl_4$ -Mediated Aromatization of 1,4-Dihydrocyclo[2,5]diene Precursors. <i>Chemistry - A European Journal</i> , 2015, 21, 5742-5749.	1.7	121
27	Selective Synthesis and Crystal Structure of [10]Cycloparaphenylene. <i>Organic Letters</i> , 2012, 14, 3284-3287.	2.4	119
28	Partial Charge Transfer in the Shortest Possible Metallofullerene Peapod, $La@C_{82}@S_{11}$ [11]Cycloparaphenylene. <i>Chemistry - A European Journal</i> , 2014, 20, 14403-14409.	1.7	118
29	Highly Controlled Synthesis of Poly(<i>N</i> -vinylpyrrolidone) and Its Block Copolymers by Organostibine-Mediated Living Radical Polymerization. <i>Macromolecules</i> , 2006, 39, 5259-5265.	2.2	113
30	In-Plane Aromaticity in Cycloparaphenylene Dications: A Magnetic Circular Dichroism and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2015, 137, 82-85.	6.6	112
31	Selective Synthesis of [6]-, [8]-, and [10]Cycloparaphenylenes. <i>Chemistry Letters</i> , 2013, 42, 621-623.	0.7	100
32	Isolation and Characterization of the Cycloparaphenylene Radical Cation and Dication. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13722-13726.	7.2	99
33	Iterative Glycosylation of 2-Deoxy-2-aminothioglycosides and Its Application to the Combinatorial Synthesis of Linear Oligoglucosamines. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2145-2148.	7.2	98
34	Langmuir-Blodgett Film of Amphiphilic C60 Carboxylic Acid. <i>Langmuir</i> , 1995, 11, 660-665.	1.6	89
35	Gram-Scale Syntheses and Conductivities of [10]Cycloparaphenylene and Its Tetraalkoxy Derivatives. <i>Journal of the American Chemical Society</i> , 2017, 139, 18480-18483.	6.6	87
36	Synthesis and Characterization of [n]CPP (n = 5, 6, 8, 10, and 12) Radical Cation and Dications: Size-Dependent Absorption, Spin, and Charge Delocalization. <i>Journal of the American Chemical Society</i> , 2016, 138, 338-344.	6.6	86

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37	Synthetic and Theoretical Studies on Group-Transfer Imidoylation of Organotellurium Compounds. Remarkable Reactivity of Isonitriles in Comparison with Carbon Monoxide in Radical-Mediated Reactions. <i>Journal of the American Chemical Society</i> , 2001, 123, 3697-3705.	6.6	83
38	Photoinduced Switching from Living Radical Polymerization to a Radical Coupling Reaction Mediated by Organotellurium Compounds. <i>Journal of the American Chemical Society</i> , 2012, 134, 5536-5539.	6.6	82
39	Simple diastereoselectivity of the aldol reaction of persubstituted enolates. Stereoselective construction of quaternary centers. <i>Journal of Organic Chemistry</i> , 1991, 56, 2098-2106.	1.7	79
40	Electrochemistry of Chalcogenoglycosides. Rational Design of Iterative Glycosylation Based on Reactivity Control of Glycosyl Donors and Acceptors by Oxidation Potentials. <i>Journal of Organic Chemistry</i> , 2002, 67, 8584-8592.	1.7	79
41	Practical Protocols for Organotellurium-Mediated Living Radical Polymerization by in Situ Generated Initiators from AIBN and Ditellurides. <i>Macromolecules</i> , 2003, 36, 3793-3796.	2.2	77
42	Properties of Sizeable [6]Cycloparaphenylenes as Molecular Models of Single-Wall Carbon Nanotubes Elucidated by Raman Spectroscopy: Structural and Electron-Transfer Responses under Mechanical Stress. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7033-7037.	7.2	77
43	A New, Iterative Strategy of Oligosaccharide Synthesis Based on Highly Reactive \hat{I}^2 -Bromoglycosides Derived from Selenoglycosides. <i>Organic Letters</i> , 2001, 3, 3867-3870.	2.4	74
44	Termination Mechanism in the Radical Polymerization of Methyl Methacrylate and Styrene Determined by the Reaction of Structurally Well-Defined Polymer End Radicals. <i>Macromolecules</i> , 2015, 48, 6450-6456.	2.2	74
45	Use of methylenecyclopropanone ketals for cyclopentane synthesis. A new efficient thermal [3 + 2] cycloaddition. <i>Journal of the American Chemical Society</i> , 1989, 111, 7285-7286.	6.6	70
46	Photocytotoxicity of Water-soluble Fullerene Derivatives. <i>Bioscience, Biotechnology and Biochemistry</i> , 1996, 60, 1359-1361.	0.6	70
47	Synthesis of optically active dendritic binaphthols and their metal complexes for asymmetric catalysis. <i>Tetrahedron Letters</i> , 1998, 39, 3783-3786.	0.7	70
48	Pore Formation in Poly(divinylbenzene) Networks Derived from Organotellurium-Mediated Living Radical Polymerization. <i>Macromolecules</i> , 2009, 42, 1270-1277.	2.2	69
49	Synthesis of structurally controlled hyperbranched polymers using a monomer having hierarchical reactivity. <i>Nature Communications</i> , 2017, 8, 1863.	5.8	66
50	Kinetic Study on Role of Ditelluride in Organotellurium-Mediated Living Radical Polymerization (TERP). <i>Macromolecules</i> , 2007, 40, 1881-1885.	2.2	64
51	Selective and Gram-Scale Synthesis of [6]Cycloparaphenylene. <i>Synlett</i> , 2015, 26, 1615-1619.	1.0	63
52	A new synthetic route to substituted quinones by radical-mediated coupling of organotellurium compounds with quinones. <i>Tetrahedron</i> , 2002, 58, 6805-6813.	1.0	62
53	Organotellurium-Mediated Living Radical Polymerization in Miniemulsion. <i>Macromolecules</i> , 2007, 40, 9208-9211.	2.2	62
54	Development of an Arylthiobismuthine Cocatalyst in Organobismuthine-Mediated Living Radical Polymerization: Applications for Synthesis of Ultrahigh Molecular Weight Polystyrenes and Polyacrylates. <i>Journal of the American Chemical Society</i> , 2009, 131, 2508-2513.	6.6	62

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55	Shortest Double-Walled Carbon Nanotubes Composed of Cycloparaphenylenes. <i>ChemPlusChem</i> , 2017, 82, 1015-1020.	1.3	61
56	Rigid Crosslinked Polyacrylamide Monoliths with Well-Defined Macropores Synthesized by Living Polymerization. <i>Macromolecular Rapid Communications</i> , 2009, 30, 986-990.	2.0	59
57	Tetracyclo(2,7-carbazole)s: Diatropicity and Paratropicity of Inner Regions of Nanohoops. <i>Journal of Organic Chemistry</i> , 2016, 81, 3356-3363.	1.7	58
58	Properties of Triplet-Excited [C _n]Cycloparaphenylenes (C _n = 8-12): Excitation Energies Lower than Those of Linear Oligomers and Polymers. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4527-4532.	1.1	56
59	Reversible generation of glycosyl radicals from telluroglycosides under photochemical and thermal conditions. <i>Tetrahedron Letters</i> , 1999, 40, 2339-2342.	0.7	55
60	Synthesis, Characterization, and Properties of [4]Cyclo[2,7]pyrenylene: Effects of Cyclic Structure on the Electronic Properties of Pyrene Oligomers. <i>Angewandte Chemie</i> , 2014, 126, 6548-6552.	1.6	54
61	Supramolecular Fullerene Polymers and Networks Directed by Molecular Recognition between Calix[5]arene and C ₆₀ . <i>Chemistry - A European Journal</i> , 2014, 20, 16138-16146.	1.7	52
62	Thermal Hetero [3 + 2] Cycloaddition of Dipolar Trimethylenemethane to O-Alkyloximes. Straightforward Synthetic Routes to Substituted Pyrrolidines and Prolines. <i>Journal of Organic Chemistry</i> , 1998, 63, 1694-1703.	1.7	51
63	Tertiary phosphines, P-chiral phosphinites and phosphonic acid esters bearing fullerene substituent. Metal complexes and redox properties. <i>Tetrahedron</i> , 1996, 52, 5091-5102.	1.0	50
64	Controlled Alternating Copolymerization of (Meth)acrylates and Vinyl Ethers by Using Organoheteroatom-Mediated Living Radical Polymerization. <i>Macromolecular Rapid Communications</i> , 2011, 32, 893-898.	2.0	50
65	Thermal hetero [3 + 2] cycloaddition approach to functionalized tetrahydrofurans. <i>Journal of Organic Chemistry</i> , 1990, 55, 5553-5555.	1.7	49
66	Optimization of Organotellurium Transfer Agents for Highly Controlled Living Radical Polymerization. <i>Macromolecules</i> , 2008, 41, 527-529.	2.2	49
67	Enhancement of the Quinoidal Character for Smaller [C _n]Cycloparaphenylenes Probed by Raman Spectroscopy. <i>ChemPhysChem</i> , 2013, 14, 1570-1572.	1.0	49
68	Radical Ions of Cycloparaphenylenes: Size Dependence Contrary to the Neutral Molecules. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2302-2305.	2.1	48
69	Ligand-Controlled Synthesis of [3]- and [4]Cyclo[9,9]dimethyl[2,7]fluorenes through Triangle- and Square-Shaped Platinum Intermediates. <i>Chemistry - A European Journal</i> , 2015, 21, 18939-18943.	1.7	48
70	Synthesis of vinylic C-glycosides from telluroglycosides. Addition of photochemically and thermally generated glycosyl radicals to alkynes. <i>Tetrahedron Letters</i> , 1999, 40, 2343-2346.	0.7	46
71	Synthesis and Physical Properties of Polyfluorinated Cycloparaphenylenes. <i>Organic Letters</i> , 2018, 20, 5973-5976.	2.4	46
72	Synthesis and [2 + 2] Cycloaddition of Dimethyleneketene Acetals. Reaction with C ₆₀ and Facile Hydrolysis of the C-C Bond Connected to C ₆₀ . <i>Journal of the American Chemical Society</i> , 1994, 116, 1123-1124.	6.6	45

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73	Dialkylphosphates as Stereodirecting Protecting Groups in Oligosaccharide Synthesis. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7575-7578.	7.2	45
74	Synthesis of propellanes by π -exocyclic π -transannular cycloaddition of olefinic methylenecyclopropanes. <i>Tetrahedron</i> , 1989, 45, 3081-3088.	1.0	44
75	Novel Group-Transfer Radical Reactions with Organotelluriums. <i>Synlett</i> , 2004, 2004, 1875-1890.	1.0	44
76	Regioselective Synthesis and Characterization of Multinuclear Convex π -Bound Ruthenium π -Cycloparaphenylene ($n=5$ and 6) Complexes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 302-306.	7.2	44
77	A single electron transfer pathway in the [3+2] cycloaddition of dipolar trimethylenemethane with olefins. <i>Journal of the American Chemical Society</i> , 1993, 115, 5344-5345.	6.6	43
78	Regioselective and endo-stereoselective [3 + 2] cycloaddition of dipolar trimethylenemethane to electron-deficient olefin. <i>Journal of the American Chemical Society</i> , 1992, 114, 8707-8708.	6.6	42
79	Quantitative Analysis of the Effect of Azo Initiators on the Structure of π -Polymer Chain Ends in Degenerative Chain-Transfer-Mediated Living Radical Polymerization Reactions. <i>Macromolecules</i> , 2011, 44, 8388-8397.	2.2	42
80	Controlled Copolymerization of 1-Octene and (Meth)acrylates via Organotellurium-Mediated Living Radical Polymerization (TERP). <i>Macromolecules</i> , 2012, 45, 8998-9003.	2.2	42
81	Synthesis of [3.3.3]propellanes by π -exocyclic π -transannular cycloaddition of olefinic methylenecyclopropanes. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 1112-1113.	2.0	41
82	O-Glycosidation of Telluroglycoside by Electrochemical Oxidation. <i>Chemistry Letters</i> , 1997, 26, 111-112.	0.7	41
83	Novel Group-Transfer Three-Component Coupling of Silyltellurides, Carbonyl Compounds, and Isocyanides. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3669-3671.	7.2	40
84	Combinatorial Synthesis of an Oligosaccharide Library by Using π -Bromoglycoside-Mediated Iterative Glycosylation of Selenoglycosides: Rapid Expansion of Molecular Diversity with Simple Building Blocks. <i>Chemistry - A European Journal</i> , 2005, 11, 6159-6174.	1.7	40
85	Fabrication of highly crosslinked methacrylate-based polymer monoliths with well-defined macropores via living radical polymerization. <i>Polymer</i> , 2011, 52, 4644-4647.	1.8	40
86	Bromination of Cycloparaphenylenes: Strain π -Induced Site π -Selective Bis π -Addition and Its Application for Late π -Stage Functionalization. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10428-10432.	7.2	40
87	Reversible generation of trimethylenemethanes by mild thermolysis of dialkoxy methylenecyclopropanes. <i>Journal of the American Chemical Society</i> , 1991, 113, 3183-3184.	6.6	39
88	Termination Mechanism of the Radical Polymerization of Acrylates. <i>Macromolecular Rapid Communications</i> , 2016, 37, 506-513.	2.0	39
89	Controlled Radical Polymerization of Ethylene Using Organotellurium Compounds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 305-309.	7.2	39
90	Radical-mediated imidoylation of telluroglycosides. Insertion of isonitriles into the glycosidic carbon π -tellurium bond. <i>Tetrahedron Letters</i> , 1999, 40, 2347-2350.	0.7	38

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91	Convergent Synthesis of Silylated Allylic Alcohols by a Stereoselective Domino, Sequential Radical-Coupling Reaction. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1407-1409.	7.2	38
92	Synthesis of Structurally Well-Defined Telechelic Polymers by Organostibine-Mediated Living Radical Polymerization: In Situ Generation of Functionalized Chain-Transfer Agents and Selective β -Group Transformations. <i>Chemistry - A European Journal</i> , 2009, 15, 1018-1029.	1.7	38
93	Controlled random and alternating copolymerization of (meth)acrylates, acrylonitrile, and (meth)acrylamides with vinyl ethers by organotellurium, organostibine, and organobismuthine-mediated living radical polymerization reactions. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2254-2264.	2.5	38
94	Chemical derivatization of organofullerenes through oxidation, reduction, and carbon-oxygen and carbon-carbon bond-forming reactions. <i>Journal of Organic Chemistry</i> , 1993, 58, 4796-4798.	1.7	37
95	Synthesis of structurally well-controlled β -vinylidene functionalized poly(alkyl methacrylate)s and polymethacrylonitrile by organotellurium, organostibine, and organobismuthine-mediated living radical polymerizations. <i>Reactive and Functional Polymers</i> , 2009, 69, 416-423.	2.0	37
96	A Diversity-Oriented Synthesis of α -Amino Acid Derivatives by a Silyltelluride-Mediated Radical Coupling Reaction of Imines and Isonitriles. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 117-120.	7.2	36
97	Precision Synthesis of Hybrid Block Copolymers by Organotellurium-Mediated Successive Living Radical and Cationic Polymerizations. <i>Chemistry - an Asian Journal</i> , 2011, 6, 445-451.	1.7	36
98	Tertiary phosphines and P-chiral phosphinites bearing a fullerene substituent. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 2093.	2.0	35
99	Glycosylation with telluroglycosides. Stereoselective construction of α - and β -anomers. <i>Tetrahedron Letters</i> , 1998, 39, 7905-7908.	0.7	35
100	Organotellurium-mediated living radical polymerization under photoirradiation by a low-intensity light-emitting diode. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 1607-1612.	1.3	35
101	Living Ab Initio Emulsion Polymerization of Methyl Methacrylate in Water Using a Water-Soluble Organotellurium Chain Transfer Agent under Thermal and Photochemical Conditions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 962-966.	7.2	35
102	Stereochemistry of the fluoride catalyzed aldol reaction of enol silyl ethers. Evidence for another non-chelate transition state. <i>Tetrahedron Letters</i> , 1988, 29, 2207-2210.	0.7	34
103	New synthesis of α -acyl imines by radical-mediated group-transfer imidoylation of acyl tellurides with isonitriles. <i>Tetrahedron Letters</i> , 2000, 41, 7517-7520.	0.7	33
104	Controlled Copolymerization of Acrylate and 6-Methyleneundecane by Organotellurium-Mediated Living Radical Polymerization (TERP). <i>Macromolecules</i> , 2012, 45, 2989-2994.	2.2	33
105	Invention of organotellurium and organostibine mediators for highly controlled degenerative transfer polymerization. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2005, 81, 117-128.	1.6	32
106	Applications of metalated cyclopropanone ketals in a general synthesis of cyclopropanones. An efficient synthesis of the antibiotic penitricin. <i>Journal of Organic Chemistry</i> , 1989, 54, 4727-4729.	1.7	31
107	Synthesis and physical properties of [4]cyclo-3,7-dibenzo[<i>b</i>], [<i>d</i>]thiophene and its <i>S</i> , <i>S</i> -dioxide. <i>Canadian Journal of Chemistry</i> , 2017, 95, 351-356.	0.6	31
108	Chameleon-like behaviour of cyclo[<i>n</i>]paraphenylenes in complexes with C_{70} : on their impressive electronic and structural adaptability as probed by Raman spectroscopy. <i>Faraday Discussions</i> , 2014, 173, 157-171.	1.6	30

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109	From linear to cyclic oligoparaphenylenes: electronic and molecular changes traced in the vibrational Raman spectra and reformulation of the bond length alternation pattern. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11683-11692.	1.3	30
110	Mechanism of Cu(I)/Cu(0)-Mediated Reductive Coupling Reactions of Bromine-Terminated Polyacrylates, Polymethacrylates, and Polystyrene. <i>ACS Macro Letters</i> , 2016, 5, 248-252.	2.3	30
111	Mechanism and Kinetics of Organostibine-Mediated Living Radical Polymerization of Styrene. <i>Zeitschrift Fur Physikalische Chemie</i> , 2005, 219, 283-293.	1.4	29
112	Arylthiols as Highly Chemoselective and Environmentally Benign Radical Reducing Agents. <i>Journal of Organic Chemistry</i> , 2008, 73, 7300-7304.	1.7	28
113	Size Dependence of [n]Cycloparaphenylenes (n=5-12) in Electrochemical Oxidation. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1793-1797.	1.7	28
114	Synthesis of Well-defined Amphiphilic Block Copolymers by Organotellurium-Mediated Living Radical Polymerization (TERP). <i>Macromolecular Rapid Communications</i> , 2011, 32, 1576-1582.	2.0	27
115	Synthesis of Concentrated Polymer Brushes via Surface-Initiated Organotellurium-Mediated Living Radical Polymerization. <i>Macromolecules</i> , 2013, 46, 6777-6785.	2.2	27
116	Photoactivation of Organotellurium Compounds in Precision Polymer Synthesis: Controlled Radical Polymerization and Radical Coupling Reactions. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 287-298.	2.0	27
117	Phenyltellanyl Triflate (PhTeOTf) as a Powerful Tellurophilic Activator in the Friedel-Crafts Reaction. <i>Chemistry Letters</i> , 2008, 37, 650-651.	0.7	26
118	Controlled synthesis of hydrophilic concentrated polymer brushes and their friction/lubrication properties in aqueous solutions. <i>Journal of Polymer Science Part A</i> , 2011, 49, 5284-5292.	2.5	26
119	Control of the Termination Mechanism in Radical Polymerization by Viscosity: Selective Disproportionation in Viscous Media. <i>Chemistry - A European Journal</i> , 2017, 23, 1299-1305.	1.7	26
120	One-Step Synthesis of Dendritic Highly Branched Polystyrenes by Organotellurium-Mediated Copolymerization of Styrene and a Dienyl Telluride Monomer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3952-3956.	7.2	26
121	Highly Efficient and Chemoselective Reductive Bis-silylation of Quinones by Silyltellurides. <i>Organic Letters</i> , 2000, 2, 3671-3673.	2.4	25
122	Expanding the Scope of Controlled Radical Polymerization via Cobalt-Tellurium Radical Exchange Reaction. <i>ACS Macro Letters</i> , 2014, 3, 114-118.	2.3	24
123	Visible light-induced free radical promoted cationic polymerization using organotellurium compounds. <i>Polymer Chemistry</i> , 2018, 9, 5639-5643.	1.9	24
124	Hydrostannation of Cyclopropene. Strain-Driven Radical Addition Reaction. <i>Chemistry Letters</i> , 1994, 23, 1889-1892.	0.7	23
125	Radical-Mediated Synthesis of Substituted Quinones with Organotellurium Compounds. <i>Chemistry Letters</i> , 2000, 29, 1234-1235.	0.7	23
126	Generation of Carbanions through Stibine-Metal and Bismuthine-Metal Exchange Reactions and Its Applications to Precision Synthesis of δ -Functionalized Polymers. <i>Chemistry - A European Journal</i> , 2011, 17, 5272-5280.	1.7	23

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