

Virgil Percec

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/443159/publications.pdf>

Version: 2024-02-01

740
papers

50,385
citations

1377

111
h-index

3688

186
g-index

780
all docs

780
docs citations

780
times ranked

18631
citing authors

#	ARTICLE	IF	CITATIONS
1	Nickel-Catalyzed Cross-Couplings Involving Carbon–Oxygen Bonds. <i>Chemical Reviews</i> , 2011, 111, 1346-1416.	23.0	1,212
2	Dendron-Mediated Self-Assembly, Disassembly, and Self-Organization of Complex Systems. <i>Chemical Reviews</i> , 2009, 109, 6275-6540.	23.0	1,131
3	Ultrafast Synthesis of Ultrahigh Molar Mass Polymers by Metal-Catalyzed Living Radical Polymerization of Acrylates, Methacrylates, and Vinyl Chloride Mediated by SET at 25 °C. <i>Journal of the American Chemical Society</i> , 2006, 128, 14156-14165.	6.6	1,088
4	Self-organization of supramolecular helical dendrimers into complex electronic materials. <i>Nature</i> , 2002, 419, 384-387.	13.7	938
5	Single-Electron Transfer and Single-Electron Transfer Degenerative Chain Transfer Living Radical Polymerization. <i>Chemical Reviews</i> , 2009, 109, 5069-5119.	23.0	847
6	"Living" Radical Polymerization of Styrene Initiated by Arenesulfonyl Chlorides and CuI(bpy) _n Cl. <i>Macromolecules</i> , 1995, 28, 7970-7972.	2.2	836
7	Controlling polymer shape through the self-assembly of dendritic side-groups. <i>Nature</i> , 1998, 391, 161-164.	13.7	809
8	Self-Assembly of Janus Dendrimers into Uniform Dendrimersomes and Other Complex Architectures. <i>Science</i> , 2010, 328, 1009-1014.	6.0	654
9	Self-assembly of amphiphilic dendritic dipeptides into helical pores. <i>Nature</i> , 2004, 430, 764-768.	13.7	613
10	Supramolecular dendritic liquid quasicrystals. <i>Nature</i> , 2004, 428, 157-160.	13.7	585
11	Direct Visualization of Individual Cylindrical and Spherical Supramolecular Dendrimers. <i>Science</i> , 1997, 278, 449-452.	6.0	521
12	Rational Design of the First Spherical Supramolecular Dendrimers Self-Organized in a Novel Thermotropic Cubic Liquid-Crystalline Phase and the Determination of Their Shape by X-ray Analysis. <i>Journal of the American Chemical Society</i> , 1997, 119, 1539-1555.	6.6	517
13	Aqueous Room Temperature Metal-Catalyzed Living Radical Polymerization of Vinyl Chloride. <i>Journal of the American Chemical Society</i> , 2002, 124, 4940-4941.	6.6	412
14	Giant Supramolecular Liquid Crystal Lattice. <i>Science</i> , 2003, 299, 1208-1211.	6.0	412
15	Fluorophobic Effect Induces the Self-Assembly of Semifluorinated Tapered Monodendrons Containing Crown Ethers into Supramolecular Columnar Dendrimers Which Exhibit a Homeotropic Hexagonal Columnar Liquid Crystalline Phase. <i>Journal of the American Chemical Society</i> , 1996, 118, 9855-9866.	6.6	391
16	Induced Helical Backbone Conformations of Self-Organizable Dendronized Polymers. <i>Accounts of Chemical Research</i> , 2008, 41, 1641-1652.	7.6	391
17	Single Electron Transfer in Radical Ion and Radical-Mediated Organic, Materials and Polymer Synthesis. <i>Chemical Reviews</i> , 2014, 114, 5848-5958.	23.0	367
18	Polymerization of acetylenic derivatives. XXX. Isomers of polyphenylacetylene. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1977, 15, 2497-2509.	0.8	365

#	ARTICLE	IF	CITATIONS
19	Copper(II)/Tertiary Amine Synergy in Photoinduced Living Radical Polymerization: Accelerated Synthesis of β -Functional and α,β -Heterofunctional Poly(acrylates). <i>Journal of the American Chemical Society</i> , 2014, 136, 1141-1149.	6.6	336
20	Metal-Catalyzed α -Living Radical Polymerization of Styrene Initiated with Arenesulfonyl Chlorides. From Heterogeneous to Homogeneous Catalysis. <i>Macromolecules</i> , 1996, 29, 3665-3668.	2.2	324
21	Visualizable Cylindrical Macromolecules with Controlled Stiffness from Backbones Containing Libraries of Self-Assembling Dendritic Side Groups. <i>Journal of the American Chemical Society</i> , 1998, 120, 8619-8631.	6.6	312
22	Synthesis and Structural Analysis of Two Constitutional Isomeric Libraries of AB ₂ -Based Monodendrons and Supramolecular Dendrimers. <i>Journal of the American Chemical Society</i> , 2001, 123, 1302-1315.	6.6	305
23	Arenesulfonyl Halides: A Universal Class of Functional Initiators for Metal-Catalyzed α -Living Radical Polymerization of Styrene(s), Methacrylates, and Acrylates. <i>Journal of the American Chemical Society</i> , 1998, 120, 305-316.	6.6	300
24	Aryl Mesylates in Metal Catalyzed Homocoupling and Cross-Coupling Reactions. 2. Suzuki-Type Nickel-Catalyzed Cross-Coupling of Aryl Arenesulfonates and Aryl Mesylates with Arylboronic Acids. <i>Journal of Organic Chemistry</i> , 1995, 60, 1060-1065.	1.7	295
25	Rational Design of the First Nonspherical Dendrimer Which Displays Calamitic Nematic and Smectic Thermotropic Liquid Crystalline Phases. <i>Journal of the American Chemical Society</i> , 1995, 117, 11441-11454.	6.6	275
26	Modular Synthesis of Amphiphilic Janus Glycodendrimers and Their Self-Assembly into Glycodendrimersomes and Other Complex Architectures with Bioactivity to Biomedically Relevant Lectins. <i>Journal of the American Chemical Society</i> , 2013, 135, 9055-9077.	6.6	261
27	From structure to function via complex supramolecular dendrimer systems. <i>Chemical Society Reviews</i> , 2015, 44, 3900-3923.	18.7	259
28	Solvent Choice Differentiates SET-LRP and Cu-Mediated Radical Polymerization with Non-First-Order Kinetics. <i>Macromolecules</i> , 2008, 41, 8360-8364.	2.2	237
29	Surface-Dependent Kinetics of Cu(0)-Wire-Catalyzed Single-Electron Transfer Living Radical Polymerization of Methyl Acrylate in DMSO at 25 °C. <i>Macromolecules</i> , 2009, 42, 2379-2386.	2.2	236
30	Structural Analysis of Cylindrical and Spherical Supramolecular Dendrimers Quantifies the Concept of Monodendron Shape Control by Generation Number. <i>Journal of the American Chemical Society</i> , 1998, 120, 11061-11070.	6.6	234
31	Nanomechanical Function from Self-Organizable Dendronized Helical Polyphenylacetylenes. <i>Journal of the American Chemical Society</i> , 2008, 130, 7503-7508.	6.6	224
32	Aryl Mesylates in Metal Catalyzed Homo- and Cross-Coupling Reactions. 4. Scope and Limitations of Aryl Mesylates in Nickel Catalyzed Cross-Coupling Reactions. <i>Journal of Organic Chemistry</i> , 1995, 60, 6895-6903.	1.7	223
33	NiCl ₂ (dpe)-Catalyzed Cross-Coupling of Aryl Mesylates, Arenesulfonates, and Halides with Arylboronic Acids. <i>Journal of Organic Chemistry</i> , 2004, 69, 3447-3452.	1.7	223
34	Progress in polyacetylene chemistry. <i>Progress in Polymer Science</i> , 1982, 8, 133-214.	11.8	221
35	Synthesis of dendritic macromolecules through divergent iterative thio- α -bromo α -Click-chemistry and SET-LRP. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3940-3948.	2.5	220
36	Synthesis and characterization of a thermotropic nematic liquid crystalline dendrimeric polymer. <i>Macromolecules</i> , 1992, 25, 3843-3850.	2.2	219

#	ARTICLE	IF	CITATIONS
37	Thermoreversible Cis \rightleftharpoons Cisoidal to Cis \rightleftharpoons Transoidal Isomerization of Helical Dendronized Polyphenylacetylenes. <i>Journal of the American Chemical Society</i> , 2005, 127, 15257-15264.	6.6	218
38	Toward "Willowlike" Thermotropic Dendrimers. <i>Macromolecules</i> , 1994, 27, 4441-4453.	2.2	215
39	Living radical polymerization of vinyl chloride initiated with iodoform and catalyzed by nascent Cu(0)/tris(2-aminoethyl)amine or polyethyleneimine in water at 25 \AA °C proceeds by a new competing pathways mechanism. <i>Journal of Polymer Science Part A</i> , 2003, 41, 3283-3299.	2.5	214
40	Synthesis of dendrimers through divergent iterative thio \rightleftharpoons bromo \rightleftharpoons Click \rightleftharpoons chemistry. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3931-3939.	2.5	214
41	Ultrafast SET \rightleftharpoons LRP of methyl acrylate at 25 \AA °C in alcohols. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2745-2754.	2.5	208
42	Molecular recognition directed self-assembly of supramolecular cylindrical channel-like architectures from 6,7,9,10,12,13,15,16-octahydro-1,4,7,10,13-pentaoxabenzocyclopentadecen-2-ylmethyl 3,4,5-tris(p-dodecyloxybenzyloxy)benzoate. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, 1411.	0.9	203
43	Universal Iterative Strategy for the Divergent Synthesis of Dendritic Macromolecules from Conventional Monomers by a Combination of Living Radical Polymerization and Irreversible TERminator Multifunctional INitiator (TERMINI). <i>Journal of the American Chemical Society</i> , 2003, 125, 6503-6516.	6.6	202
44	Designing Libraries of First Generation AB ₃ and AB ₂ Self-Assembling Dendrons via the Primary Structure Generated from Combinations of (AB) \rightleftharpoons AB ₃ and (AB) \rightleftharpoons AB ₂ Building Blocks. <i>Journal of the American Chemical Society</i> , 2004, 126, 6078-6094.	6.6	200
45	Solvent Controlled Self-Assembly at the Liquid-Solid Interface Revealed by STM. <i>Journal of the American Chemical Society</i> , 2006, 128, 317-325.	6.6	200
46	Janus dendrimersomes coassembled from fluorinated, hydrogenated, and hybrid Janus dendrimers as models for cell fusion and fission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7045-E7053.	3.3	200
47	Coassembly of a Hexagonal Columnar Liquid Crystalline Superlattice from Polymer(s) Coated with a Three-Cylindrical Bundle Supramolecular Dendrimer. <i>Chemistry - A European Journal</i> , 1999, 5, 1070-1083.	1.7	198
48	The disproportionation of Cu(I)X mediated by ligand and solvent into Cu(0) and Cu(II)X ₂ and its implications for SET \rightleftharpoons LRP. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5606-5628.	2.5	188
49	Effect of Cu(0) Particle Size on the Kinetics of SET-LRP in DMSO and Cu-Mediated Radical Polymerization in MeCN at 25 \AA °C. <i>Macromolecules</i> , 2008, 41, 8365-8371.	2.2	187
50	Fluorophobic Effect in the Self-Assembly of Polymers and Model Compounds Containing Tapered Groups into Supramolecular Columns. <i>Macromolecules</i> , 1996, 29, 646-660.	2.2	186
51	New efficient reaction media for SET \rightleftharpoons LRP produced from binary mixtures of organic solvents and H ₂ O. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5577-5590.	2.5	174
52	SET \rightleftharpoons LRP of N,N'-dimethylacrylamide and of N-isopropylacrylamide at 25 \AA °C in protic and in dipolar aprotic solvents. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1752-1763.	2.5	173
53	Self-Assembly of Dendronized Triphenylenes into Helical Pyramidal Columns and Chiral Spheres. <i>Journal of the American Chemical Society</i> , 2009, 131, 7662-7677.	6.6	169
54	Self-Encapsulation, Acceleration and Control in the Radical Polymerization of Monodendritic Monomers via Self-Assembly. <i>Journal of the American Chemical Society</i> , 1997, 119, 12978-12979.	6.6	166

#	ARTICLE	IF	CITATIONS
55	Steric Communication of Chiral Information Observed in Dendronized Polyacetylenes. <i>Journal of the American Chemical Society</i> , 2006, 128, 16365-16372.	6.6	166
56	Predicting the Structure of Supramolecular Dendrimers via the Analysis of Libraries of AB ₃ and Constitutional Isomeric AB ₂ Biphenylpropyl Ether Self-Assembling Dendrons. <i>Journal of the American Chemical Society</i> , 2009, 131, 17500-17521.	6.6	165
57	Predicting the Size and Properties of Dendrimersomes from the Lamellar Structure of Their Amphiphilic Janus Dendrimers. <i>Journal of the American Chemical Society</i> , 2011, 133, 20507-20520.	6.6	165
58	Spherical Supramolecular Minidendrimers Self-Organized in an "Inverse Micellar"-like Thermotropic Body-Centered Cubic Liquid Crystalline Phase. <i>Journal of the American Chemical Society</i> , 2000, 122, 1684-1689.	6.6	164
59	Selective Transport of Water Mediated by Porous Dendritic Dipeptides. <i>Journal of the American Chemical Society</i> , 2007, 129, 11698-11699.	6.6	160
60	Synthesis, structural analysis, and visualization of poly(2-ethynyl-9-substituted carbazole)s and poly(3-ethynyl-9-substituted carbazole)s containing chiral and achiral minidendritic substituents. <i>Journal of Polymer Science Part A</i> , 2002, 40, 3509-3533.	2.5	158
61	Self-Assembly of Semifluorinated Janus-Dendritic Benzamides into Bilayered Pyramidal Columns. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4739-4745.	7.2	158
62	Self-Assembly of Dendritic Crowns into Chiral Supramolecular Spheres. <i>Journal of the American Chemical Society</i> , 2009, 131, 1294-1304.	6.6	158
63	Interchain electron donor-acceptor complexes: a model to study polymer-polymer miscibility?. <i>Macromolecules</i> , 1986, 19, 55-64.	2.2	157
64	Synthesis and Retrostructural Analysis of Libraries of AB ₃ and Constitutional Isomeric AB ₂ Phenylpropyl Ether-Based Supramolecular Dendrimers. <i>Journal of the American Chemical Society</i> , 2006, 128, 3324-3334.	6.6	154
65	Self-assembly of taper-shaped monoesters of oligo(ethylene oxide) with 3,4,5-tris(p-dodecyloxybenzyloxy)benzoic acid and of their polymethacrylates into tubular supramolecular architectures displaying a columnar mesophase. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 2799.	0.9	153
66	Dramatic acceleration of SET-MLRP of methyl acrylate during catalysis with activated Cu(0) wire. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5109-5119.	2.5	152
67	Increasing the Diameter of Cylindrical and Spherical Supramolecular Dendrimers by Decreasing the Solid Angle of Their Monodendrons via Periphery Functionalization. <i>Journal of the American Chemical Society</i> , 2000, 122, 10273-10281.	6.6	151
68	Neopentylglycolborylation of Aryl Mesylates and Tosylates Catalyzed by Ni-Based Mixed-Ligand Systems Activated with Zn. <i>Journal of the American Chemical Society</i> , 2010, 132, 1800-1801.	6.6	148
69	A supramolecular helix that disregards chirality. <i>Nature Chemistry</i> , 2016, 8, 80-89.	6.6	147
70	A thermodynamic interpretation of polymer molecular weight effect on the phase transitions of main-chain and side-chain liquid-crystal polymers. <i>Macromolecules</i> , 1990, 23, 4347-4350.	2.2	146
71	Expanding the Structural Diversity of Self-Assembling Dendrons and Supramolecular Dendrimers via Complex Building Blocks. <i>Journal of the American Chemical Society</i> , 2007, 129, 11265-11278.	6.6	146
72	Mimicking Complex Biological Membranes and Their Programmable Glycan Ligands with Dendrimersomes and Glycodendrimersomes. <i>Chemical Reviews</i> , 2017, 117, 6538-6631.	23.0	146

#	ARTICLE	IF	CITATIONS
73	Self-assembly of amphiphilic Janus dendrimers into uniform onion-like dendrimersomes with predictable size and number of bilayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9058-9063.	3.3	145
74	SET-MLRP of acrylates in air. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1190-1196.	2.5	143
75	Aryl Mesylates in Metal-Catalyzed Homocoupling and Cross-Coupling Reactions. 1. Functional Symmetrical Biaryls from Phenols via Nickel-Catalyzed Homocoupling of Their Mesylates. <i>Journal of Organic Chemistry</i> , 1995, 60, 176-185.	1.7	141
76	Synthesis of perfectly bifunctional polyacrylates by single-electron-transfer living radical polymerization. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4684-4695.	2.5	141
77	Homochiral Columns Constructed by Chiral Self-Sorting During Supramolecular Helical Organization of Hat-Shaped Molecules. <i>Journal of the American Chemical Society</i> , 2014, 136, 7169-7185.	6.6	141
78	A density functional theory computational study of the role of ligand on the stability of Cu ^I and Cu ^{II} species associated with ATRP and SET-MLRP. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4950-4964.	2.5	138
79	Analysis of the Cu(0)-Catalyzed Polymerization of Methyl Acrylate in Disproportionating and Nondisproportionating Solvents. <i>Macromolecules</i> , 2012, 45, 4606-4622.	2.2	138
80	Design and Structural Analysis of the First Spherical Monodendron Self-Organizable in a Cubic Lattice. <i>Journal of the American Chemical Society</i> , 2000, 122, 4249-4250.	6.6	135
81	A comparative analysis of SET-MLRP of MA in solvents mediating different degrees of disproportionation of Cu(I)Br. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6880-6895.	2.5	134
82	Tubular Architectures from Polymers with Tapered Side Groups. Assembly of Side Groups via a Rigid Helical Chain Conformation and Flexible Helical Chain Conformation Induced via Assembly of Side Groups. <i>Macromolecules</i> , 1996, 29, 1464-1472.	2.2	131
83	Molecular Structure of Helical Supramolecular Dendrimers. <i>Journal of the American Chemical Society</i> , 2008, 130, 14840-14852.	6.6	130
84	Cooperative and synergistic solvent effects in SET-MLRP of MA. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5591-5605.	2.5	128
85	Transformation of a Spherical Supramolecular Dendrimer into a Pyramidal Columnar Supramolecular Dendrimer Mediated by the Fluorophobic Effect. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4338-4342.	7.2	127
86	Molecular imaging of monodendron jacketed linear polymers by scanning force microscopy. <i>Macromolecular Rapid Communications</i> , 1998, 19, 359-366.	2.0	126
87	Principles of self-assembly of helical pores from dendritic dipeptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2518-2523.	3.3	126
88	SET-MLRP of methyl methacrylate initiated with CCl ₄ in the presence and absence of air. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2243-2250.	2.5	126
89	Mechanistic Investigations on the Formation of Supramolecular Cylindrical Shaped Oligomers and Polymers by Living Ring Opening Metathesis Polymerization of a 7-Oxanorbornene Monomer Substituted with Two Tapered Monodendrons. <i>Macromolecules</i> , 1997, 30, 5783-5790.	2.2	125
90	Hierarchical Control of Internal Superstructure, Diameter, and Stability of Supramolecular and Macromolecular Columns Generated from Tapered Monodendritic Building Blocks. <i>Macromolecules</i> , 1998, 31, 1745-1762.	2.2	125

#	ARTICLE	IF	CITATIONS
91	Self-Regulated Phase Transfer of Cu ₂ O/bpy, Cu(0)/bpy, and Cu ₂ O/Cu(0)/bpy Catalyzed "Living" Radical Polymerization Initiated with Sulfonyl Chlorides. <i>Macromolecules</i> , 1998, 31, 4053-4056.	2.2	124
92	Designing functional aromatic multisulfonyl chloride initiators for complex organic synthesis by living radical polymerization. <i>Journal of Polymer Science Part A</i> , 2000, 38, 4776-4791.	2.5	124
93	Mimicking "nascent" Cu(0) mediated SET-LRP of methyl acrylate in DMSO leads to complete conversion in several minutes. <i>Journal of Polymer Science Part A</i> , 2010, 48, 403-409.	2.5	124
94	Heat-Shrinking Spherical and Columnar Supramolecular Dendrimers: Their Interconversion and Dependence of Their Shape on Molecular Taper Angle. <i>Chemistry - A European Journal</i> , 2000, 6, 1258-1266.	1.7	123
95	Kinetic simulation of single electron transfer "living radical polymerization of methyl acrylate at 25 °C. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1835-1847.	2.5	123
96	Self-Organizable Vesicular Columns Assembled from Polymers Dendronized with Semifluorinated Janus Dendrimers Act As Reverse Thermal Actuators. <i>Journal of the American Chemical Society</i> , 2012, 134, 4408-4420.	6.6	123
97	Thermal cis "trans isomerization of cistransoidal polyphenylacetylene. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1980, 18, 147-155.	0.8	122
98	Scope and Limitations of Functional Sulfonyl Chlorides as Initiators for Metal-Catalyzed "Living" Radical Polymerization of Styrene and Methacrylates. <i>Macromolecules</i> , 1997, 30, 8526-8528.	2.2	121
99	Dramatic Stabilization of a Hexagonal Columnar Mesophase Generated from Supramolecular and Macromolecular Columns by the Semifluorination of the Alkyl Groups of Their Tapered Building Blocks. <i>Macromolecules</i> , 1995, 28, 8807-8818.	2.2	120
100	Self-Assembly of Dendronized Perylene Bisimides into Complex Helical Columns. <i>Journal of the American Chemical Society</i> , 2011, 133, 12197-12219.	6.6	120
101	SET-LRP of methyl acrylate to complete conversion with zero termination. <i>Journal of Polymer Science Part A</i> , 2012, 50, 860-873.	2.5	120
102	A comparative study of the SET-LRP of oligo(ethylene oxide) methyl ether acrylate in DMSO and in H ₂ O. <i>Polymer Chemistry</i> , 2013, 4, 144-155.	1.9	119
103	Toward self-assembling dendritic macromolecules from conventional monomers by a combination of living radical polymerization and irreversible terminator multifunctional initiator. <i>Journal of Polymer Science Part A</i> , 2004, 42, 505-513.	2.5	117
104	Supramolecular Tubular Structures of a Polymethacrylate with Tapered Side Groups in Aligned Hexagonal Phases. <i>Macromolecules</i> , 1994, 27, 6129-6132.	2.2	116
105	Fluorophobic Effect Generates a Systematic Approach to the Synthesis of the Simplest Class of Rodlike Liquid Crystals Containing a Single Benzene Unit. <i>Chemistry of Materials</i> , 1997, 9, 164-175.	3.2	116
106	Molecular Conformations of Monodendron-Jacketed Polymers by Scanning Force Microscopy. <i>Macromolecules</i> , 1999, 32, 2653-2660.	2.2	116
107	Self-Assembly of Semifluorinated Dendrons Attached to Electron-Donor Groups Mediates Their π -Stacking via a Helical Pyramidal Column. <i>Chemistry - A European Journal</i> , 2006, 12, 6298-6314.	1.7	116
108	Poly{2-vinyloxyethyl 3,4,5-tris[4-(n-dodecanyloxy)benzyloxy]benzoate}: a self-assembled supramolecular polymer similar to tobacco mosaic virus. <i>Journal of Materials Chemistry</i> , 1992, 2, 1033.	6.7	115

#	ARTICLE	IF	CITATIONS
109	From Molecular Flat Tapers, Discs, and Cones to Supramolecular Cylinders and Spheres using Fréchet-Type Monodendrons Modified on their Periphery. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1597-1602.	7.2	114
110	From metal-catalyzed radical telomerization to metal-catalyzed radical polymerization of vinyl chloride: Toward living radical polymerization of vinyl chloride. <i>Journal of Polymer Science Part A</i> , 2001, 39, 3392-3418.	2.5	114
111	Helical chirality in dendronized polyarylacetylenes. <i>New Journal of Chemistry</i> , 2007, 31, 1083.	1.4	114
112	Visualization of the crucial step in SET-LRP. <i>Polymer Chemistry</i> , 2013, 4, 1635-1647.	1.9	114
113	Hollow Spherical Supramolecular Dendrimers. <i>Journal of the American Chemical Society</i> , 2008, 130, 13079-13094.	6.6	113
114	Disulfonyl Chlorides: A Universal Class of Initiators for Metal-Catalyzed "Living" Radical Polymerization of Styrene(s), Methacrylates, and Acrylates. <i>Macromolecules</i> , 1997, 30, 6702-6705.	2.2	112
115	Hierarchical Self-Assembly, Coassembly, and Self-Organization of Novel Liquid Crystalline Lattices and Superlattices from a Twin-Tapered Dendritic Benzamide and Its Four-Cylinder-Bundle Supramolecular Polymer. <i>Chemistry - A European Journal</i> , 2003, 9, 921-935.	1.7	112
116	Non-transition metal-catalyzed living radical polymerization of vinyl chloride initiated with iodoform in water at 25 °C. <i>Journal of Polymer Science Part A</i> , 2004, 42, 6267-6282.	2.5	112
117	Effect of Temperature on the Supramolecular Tubular Structure in Oriented Fibers of a Poly(methacrylate) with Tapered Side Groups. <i>Macromolecules</i> , 1995, 28, 1552-1558.	2.2	111
118	Exploring and Expanding the Three-Dimensional Structural Diversity of Supramolecular Dendrimers with the Aid of Libraries of Alkali Metals of Their AB ₃ Minidendritic Carboxylates. <i>Chemistry - A European Journal</i> , 2002, 8, 1106.	1.7	111
119	Self-assembly of taper-shaped monoesters of oligo(ethylene oxide) with 3,4,5-tris(n-dodecan-1-yloxy)benzoic acid and of their polymethacrylates into tubular supramolecular architectures displaying a columnar hexagonal mesophase. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1994, , 31.	0.9	110
120	Single-Electron Transfer Living Radical Polymerization Platform to Practice, Develop, and Invent. <i>Biomacromolecules</i> , 2017, 18, 2981-3008.	2.6	109
121	Programming the Internal Structure and Stability of Helical Pores Self-Assembled from Dendritic Dipeptides via the Protective Groups of the Peptide. <i>Journal of the American Chemical Society</i> , 2005, 127, 17902-17909.	6.6	108
122	Sequential Ni-Catalyzed Borylation and Cross-Coupling of Aryl Halides via in Situ Prepared Neopentylglycolborane. <i>Organic Letters</i> , 2008, 10, 2597-2600.	2.4	108
123	Implications of monomer and initiator structure on the dissociative electron-transfer step of SET-LRP. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5663-5697.	2.5	107
124	Poly(vinyl ether)s and poly(propenyl ether)s containing mesogenic groups: A new class of side-chain liquid-crystalline polymers. <i>Journal of Polymer Science Part A</i> , 1986, 24, 1363-1378.	2.5	106
125	Supramolecular Assembly of Dendritic Polymers Elucidated by ¹ H and ¹³ C Solid-State MAS NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2003, 125, 13284-13297.	6.6	106
126	Molecular engineering of side-chain liquid-crystalline polymers by living cationic polymerization. <i>Advanced Materials</i> , 1992, 4, 548-561.	11.1	105

#	ARTICLE	IF	CITATIONS
127	Molecular recognition directed self-assembly of tubular liquid crystalline and crystalline supramolecular architectures from taper shaped (15-crown-5)methyl 3,4,5-tris(p-alkyloxybenzyloxy)benzoates and (15-crown-5)methyl 3,4,5-tris(p-dodecyloxy)benzoate. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994, 447.	0.9	103
128	Liquid crystalline polymers containing heterocycloalkanedyl groups as mesogens. 7. Molecular weight and composition effects on the phase transitions of poly(methylsiloxane)s and poly(methylsiloxane-co-dimethylsiloxane)s containing 2-[4-(2(S)-methyl-1-butoxy)phenyl]-5-(11-undecanyl)-1,3,2-dioxaborinane side groups. <i>Macromolecules</i> , 1989, 22, 1588-1599.	2.2	102
129	Synthesis and characterization of branched liquid-crystalline polyethers containing cyclotraveratrylene-based disk-like mesogens. <i>Macromolecules</i> , 1992, 25, 1164-1176.	2.2	102
130	Molecular engineering of liquid crystal polymers by living polymerization. II. Living cationic polymerization of 11-[(4-cyano-4'-(biphenyl)oxy]undecanyl vinyl ether and the mesomorphic behavior of the resulting polymers. <i>Journal of Polymer Science Part A</i> , 1991, 29, 327-337.	2.5	101
131	Synthesis of Functional Aromatic Multisulfonyl Chlorides and Their Masked Precursors. <i>Journal of Organic Chemistry</i> , 2001, 66, 2104-2117.	1.7	101
132	A comparative computational study of the homolytic and heterolytic bond dissociation energies involved in the activation step of ATRP and SET-LRP of vinyl monomers. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1607-1618.	2.5	101
133	Self-assembly of twin tapered bisamides into supramolecular columns exhibiting hexagonal columnar mesophases. Structural evidence for a microsegregated model of the supramolecular column. <i>Liquid Crystals</i> , 1996, 21, 73-86.	0.9	100
134	Transfer, Amplification, and Inversion of Helical Chirality Mediated by Concerted Interactions of C ₃ -Supramolecular Dendrimers. <i>Journal of the American Chemical Society</i> , 2011, 133, 2311-2328.	6.6	100
135	Mimicking Biological Membranes with Programmable Glycan Ligands Self-Assembled from Amphiphilic Janus Glycodendrimers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10899-10903.	7.2	99
136	Transformation from Kinetically into Thermodynamically Controlled Self-Organization of Complex Helical Columns with 3D Periodicity Assembled from Dendronized Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2013, 135, 4129-4148.	6.6	98
137	Molecular engineering of liquid-crystal polymers by living polymerization. 3. Influence of molecular weight on the phase transitions of poly{8-[(4-cyano-4'-biphenyl)oxy]octyl vinyl ether} and of	2.2	97
138	Application of Isomorphous Replacement in the Structure Determination of a Cubic Liquid Crystal Phase and Location of Counterions. <i>Journal of the American Chemical Society</i> , 2003, 125, 15974-15980.	6.6	97
139	Molecular Engineering of Liquid Crystal Polymers by Living Polymerization. XXIII. Synthesis and Characterization of AB Block Copolymers Based on 100%-[4-Cyano-4'-(Biphenyl)-oxy]alkyl Vinyl Ether, 1H, 1H, 2H, 2H-Perfluorodecyl Vinyl Ether, and 2-(4-Biphenyloxy)ethyl Vinyl Ether with 1H, 1H, 2H, 2H-Perfluorodecyl Vinyl Ether. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1992, 29, 723-749.	1.2	96
140	Liquid-crystalline main-chain elastomers. <i>Macromolecular Rapid Communications</i> , 1997, 18, 353-360.	2.0	96
141	Self-Assembly in Action. <i>Science</i> , 2006, 313, 55-56.	6.0	96
142	Self-Assembly, Structural, and Retrostructural Analysis of Dendritic Dipeptide Pores Undergoing Reversible Circular to Elliptical Shape Change. <i>Journal of the American Chemical Society</i> , 2006, 128, 6713-6720.	6.6	96
143	The influence of the complexation of sodium and lithium triflate on the self-assembly of tubular-supramolecular architectures displaying a columnar mesophase based on taper-shaped monoesters of oligoethylene oxide with 3,4,5-tris[p-(n-dodecan-1-yloxy)benzyloxy]benzoic acid and of their polymethacrylates. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993, 2381.	0.9	95
144	Metal Catalyzed Living Radical Polymerization of Acrylonitrile Initiated with Sulfonyl Chlorides. <i>Macromolecules</i> , 2001, 34, 8626-8636.	2.2	95

#	ARTICLE	IF	CITATIONS
145	Two-Step, One-Pot Ni-Catalyzed Neopentylglycolborylation and Complementary Pd/Ni-Catalyzed Cross-Coupling with Aryl Halides, Mesylates, and Tosylates. <i>Organic Letters</i> , 2008, 10, 4879-4882.	2.4	95
146	Dissecting Molecular Aspects of Cell Interactions Using Glycodendrimersomes with Programmable Glycan Presentation and Engineered Human Lectins. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4036-4040.	7.2	94
147	Microstructure of polyphenylacetylene obtained by MoCl ₅ and WCl ₆ type catalysts. <i>Polymer Bulletin</i> , 1983, 10, 1-7.	1.7	93
148	Living polymerization of aryl substituted acetylenes by MoCl ₅ and WCl ₆ based initiators: The ortho phenyl substituent effect. <i>Journal of Polymer Science Part A</i> , 1990, 28, 1221-1236.	2.5	93
149	SET-MLRP of vinyl chloride initiated with CHBr ₃ and catalyzed by Cu(0) wire/TREN in DMSO at 25 °C. <i>Journal of Polymer Science Part A</i> , 2010, 48, 164-172.	2.5	93
150	Immortal SET-MLRP mediated by Cu(0) wire. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2716-2721.	2.5	92
151	Synthesis and NaOTf Mediated Self-Assembly of Monodendritic Crown Ethers. <i>Chemistry - A European Journal</i> , 2002, 8, 2011.	1.7	91
152	Single-Amphiphilic Janus Dendrimers Self-Assemble into Uniform Dendrimersomes with Predictable Size. <i>ACS Nano</i> , 2014, 8, 1554-1565.	7.3	91
153	SET-MLRP of methyl acrylate catalyzed with activated Cu(0) wire in methanol in the presence of air. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4756-4765.	2.5	90
154	Nickel Catalyzed Cross-Coupling of Aryl C=O Based Electrophiles with Aryl Neopentylglycolboronates. <i>Journal of Organic Chemistry</i> , 2012, 77, 1018-1025.	1.7	89
155	Exploring and Expanding the Structural Diversity of Self-Assembling Dendrons through Combinations of AB, Constitutional Isomeric AB ₂ , and AB ₃ Biphenyl-4-Methyl Ether Building Blocks. <i>Chemistry - A European Journal</i> , 2006, 12, 6216-6241.	1.7	88
156	Ni(COD) ₂ /PCy ₃ Catalyzed Cross-Coupling of Aryl and Heteroaryl Neopentylglycolboronates with Aryl and Heteroaryl Mesylates and Sulfamates in THF at Room Temperature. <i>Journal of Organic Chemistry</i> , 2011, 76, 9946-9955.	1.7	88
157	Molecular engineering of liquid crystalline polymers by living polymerization. 10. Influence of molecular weight on the phase transitions of poly[1-[(4-cyano-4'-biphenyl)oxy]alkyl vinyl ether]s with nonyl and decanyl alkyl groups. <i>Macromolecules</i> , 1991, 24, 2780-2788.	2.2	87
158	Rate Enhancement by Carboxylate Salts in the CuCl, Cu ₂ O, and Cu(0) Catalyzed Living Radical Polymerization of Butyl Methacrylate Initiated with Sulfonyl Chlorides. <i>Macromolecules</i> , 1998, 31, 9409-9412.	2.2	87
159	Functionally terminated poly(methyl acrylate) by SET-MLRP initiated with CHBr ₃ and CHI ₃ . <i>Journal of Polymer Science Part A</i> , 2008, 46, 278-288.	2.5	87
160	Glycodendrimersomes from Sequence-Defined Janus Glycodendrimers Reveal High Activity and Sensor Capacity for the Agglutination by Natural Variants of Human Lectins. <i>Journal of the American Chemical Society</i> , 2015, 137, 13334-13344.	6.6	87
161	Functional polymers and sequential copolymers by phase transfer catalysis. 10. Polyethers of mesogenic bisphenols: A new class of main-chain liquid crystalline polymers. <i>Journal of Polymer Science, Polymer Letters Edition</i> , 1984, 22, 637-647.	0.4	86
162	Onion-like glycodendrimersomes from sequence-defined Janus glycodendrimers and influence of architecture on reactivity to a lectin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1162-1167.	3.3	86

#	ARTICLE	IF	CITATIONS
163	Metal-catalyzed living radical graft copolymerization of olefins initiated from the structural defects of poly(vinyl chloride). <i>Journal of Polymer Science Part A</i> , 2001, 39, 1120-1135.	2.5	85
164	Influence of molecular weight on the thermotropic mesophases of poly[6-[4-(4-methoxy-beta-methylstyryl)phenoxy]hexyl methacrylate]. <i>Macromolecules</i> , 1989, 22, 3259-3267.	2.2	84
165	Accelerated iterative strategy for the divergent synthesis of dendritic macromolecules using a combination of living radical polymerization and an irreversible terminator multifunctional initiator. <i>Journal of Polymer Science Part A</i> , 2005, 43, 4894-4906.	2.5	84
166	Re-entrant isotropic phase in a supramolecular disc-like oligomer of 4-[3,4,5-tris(n-dodecanyloxy)benzoyloxy]-4'-[(2-vinyloxy)ethoxy]biphenyl. <i>Journal of Materials Chemistry</i> , 1992, 2, 931-938.	6.7	83
167	Self-Sorting and Coassembly of Fluorinated, Hydrogenated, and Hybrid Janus Dendrimers into Dendrimersomes. <i>Journal of the American Chemical Society</i> , 2016, 138, 12655-12663.	6.6	83
168	Programming the Supramolecular Helical Polymerization of Dendritic Dipeptides via the Stereochemical Information of the Dipeptide. <i>Journal of the American Chemical Society</i> , 2011, 133, 5135-5151.	6.6	82
169	Self-Repairing Complex Helical Columns Generated via Kinetically Controlled Self-Assembly of Dendronized Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2011, 133, 18479-18494.	6.6	82
170	Helical Pores Self-Assembled from Homochiral Dendritic Dipeptides Based on L-Tyr and Nonpolar D-Ala Amino Acids. <i>Journal of the American Chemical Society</i> , 2007, 129, 5992-6002.	6.6	81
171	Self-Assembling Phenylpropyl Ether Dendronized Helical Polyphenylacetylenes. <i>Chemistry - A European Journal</i> , 2007, 13, 9572-9581.	1.7	81
172	SET-DRP of methyl methacrylate initiated with sulfonyl halides. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2236-2242.	2.5	81
173	Detecting the Shape Change of Complex Macromolecules during Their Synthesis with the Aid of Kinetics. A New Lesson from Biology. <i>Biomacromolecules</i> , 2000, 1, 6-16.	2.6	80
174	Liquid-crystalline polymers containing heterocycloalkane mesogenic groups. 5. Synthesis of biphasic chiral smectic polysiloxanes containing 2,5-disubstituted-1,3-dioxane- and 2,5-disubstituted-1,3,2-dioxaborinane-based mesogenic groups. <i>Macromolecules</i> , 1987, 20, 2961-2968.	2.2	79
175	Liquid-crystalline polymers containing mesogenic units based on half-disk and rodlike moieties. 5. Side-chain liquid-crystalline poly(methylsiloxanes) containing hemiphasmidic mesogens based on 4-[[3,4,5-tris(alkan-1-yloxy)benzoyl]oxy]-4'-[[p-(propan-1-yloxy)benzoyl]oxy]biphenyl groups. <i>Macromolecules</i> , 1991, 24, 4957-4962.	2.2	79
176	Independent Electrocyclization and Oxidative Chain Cleavage along the Backbone of cis-Poly(phenylacetylene). <i>Macromolecules</i> , 2005, 38, 7241-7250.	2.2	78
177	Synthesis and characterization of cyclic liquid crystalline oligomers based on 1-(4-hydroxy-4'-biphenyl)-2-(4-hydroxyphenyl)butane and 1,10-dibromodecane. <i>Macromolecules</i> , 1992, 25, 3851-3861.	2.2	77
178	Liquid crystalline polyethers based on conformational isomerism. 20. Nematic-nematic transition in polyethers and copolyethers based on 1-(4-hydroxyphenyl)-2-(2-R-4-hydroxyphenyl)ethane with R = fluoro, chloro and methyl and flexible spacers containing an odd number of methylene units. <i>Macromolecules</i> , 1992, 25, 75-80.	2.2	77
179	A reaction to stress. <i>Nature</i> , 2007, 446, 381-382.	13.7	77
180	SET-DRP of acrylates in the presence of radical inhibitors. <i>Journal of Polymer Science Part A</i> , 2008, 46, 3174-3181.	2.5	77

#	ARTICLE	IF	CITATIONS
181	Set- ϵ -LRP of MMA in acetic acid. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4889-4893.	2.5	77
182	Recent Developments in the Synthesis of Biomacromolecules and their Conjugates by Single Electron Transfer- ϵ -Living Radical Polymerization. <i>Biomacromolecules</i> , 2017, 18, 1039-1063.	2.6	77
183	Liquid crystalline polyethers based on conformational isomerism. 2. Thermotropic polyethers and copolyethers based on 1-(4-hydroxyphenyl)-2-(2-methyl-4-hydroxyphenyl)ethane and flexible spacers containing an odd number of methylene units. <i>Macromolecules</i> , 1989, 22, 524-537.	2.2	76
184	Disproportionating versus nondisproportionating solvent effect in the SET- ϵ -LRP of methyl acrylate during catalysis with nonactivated and activated Cu(0) wire. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4227-4240.	2.5	76
185	Interrupted SET-LRP of methyl acrylate demonstrates Cu(0) colloidal particles as activating species. <i>Polymer Chemistry</i> , 2013, 4, 686-694.	1.9	75
186	Unraveling functional significance of natural variations of a human galectin by glycodendrimersomes with programmable glycan surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5585-5590.	3.3	75
187	Self-Assembly of Semifluorinated Minidendrons Attached to Electron-Acceptor Groups into Pyramidal Columns. <i>Chemistry - A European Journal</i> , 2007, 13, 3330-3345.	1.7	74
188	Alkyl chloride initiators for SET- ϵ -LRP of methyl acrylate. <i>Journal of Polymer Science Part A</i> , 2008, 46, 4917-4926.	2.5	74
189	Comparison of Arylboron-Based Nucleophiles in Ni-Catalyzed Suzuki-Miyaura Cross-Coupling with Aryl Mesylates and Sulfamates. <i>Journal of Organic Chemistry</i> , 2012, 77, 5956-5964.	1.7	74
190	Definitive Support by Transmission Electron Microscopy, Electron Diffraction, and Electron Density Maps for the Formation of a BCC Lattice from Poly{N-[3,4,5-tris(n-dodecan-1-yloxy)benzoyl]ethyleneimine}. <i>Chemistry - A European Journal</i> , 2001, 7, 4134-4141.	1.7	73
191	Copolymerization of methacrylic acid with methyl methacrylate by SET- ϵ -LRP. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4884-4888.	2.5	73
192	The Internal Structure of Helical Pores Self-Assembled from Dendritic Dipeptides is Stereochemically Programmed and Allosterically Regulated. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6516-6521.	7.2	72
193	Helical Self-Organizations and Emerging Functions in Architectures, Biological and Synthetic Macromolecules. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 900-928.	2.0	72
194	Functional polymers and sequential copolymers by phase transfer catalysis. 24. The influence of molecular weight on the thermotropic properties of a random copolyether based on 1,5-dibromopentane, 1,7-dibromoheptane, and 4,4'-dihydroxy-1,1'-methylstilbene. <i>Journal of Polymer Science Part A</i> , 1987, 25, 1943-1965.	2.5	71
195	Neopentylglycolborylation of ortho-Substituted Aryl Halides Catalyzed by NiCl ₂ -Based Mixed-Ligand Systems. <i>Journal of Organic Chemistry</i> , 2010, 75, 5438-5452.	1.7	71
196	Exploring functional pairing between surface glycoconjugates and human galectins using programmable glycodendrimersomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2509-E2518.	3.3	71
197	Epitaxial Adsorption of Monodendron-Jacketed Linear Polymers on Highly Oriented Pyrolytic Graphite. <i>Langmuir</i> , 2000, 16, 6862-6867.	1.6	70
198	Neopentylglycolborylation of Aryl Chlorides Catalyzed by the Mixed Ligand System NiCl ₂ (dppp)/dppf. <i>Organic Letters</i> , 2009, 11, 4974-4977.	2.4	70

#	ARTICLE	IF	CITATIONS
199	Self-Assembly of Hybrid Dendrons into Doubly Segregated Supramolecular Polyhedral Columns and Vesicles. <i>Journal of the American Chemical Society</i> , 2010, 132, 11288-11305.	6.6	70
200	Miscible blends from poly(2,6-dimethyl-1,4-phenylene oxide) and poly(epichlorohydrin) containing pendant electron-donor and electron-acceptor groups. <i>Macromolecules</i> , 1986, 19, 65-71.	2.2	69
201	Liquid-crystalline polyethers based on conformational isomerism. 18. Polyethers based on a combined mesogenic unit containing rigid and flexible groups: 1-(4-hydroxy-4'-biphenyl)-2-(4-hydroxyphenyl)butane. <i>Macromolecules</i> , 1991, 24, 6318-6324.	2.2	69
202	Bioactive cell-like hybrids coassembled from (glyco)dendrimerosomes with bacterial membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1134-41.	3.3	69
203	Functional polymers and sequential copolymers by phase transfer catalysis. 23. Single electron transfer phase transfer catalyzed polymerization of 4-bromo-2,6-dimethylphenol. <i>Journal of Polymer Science, Part C: Polymer Letters</i> , 1986, 24, 439-446.	0.7	68
204	Poly(oxazolines)s with Tapered Minidendritic Side Groups. The Simplest Cylindrical Models To Investigate the Formation of Two-Dimensional and Three-Dimensional Order by Direct Visualization. <i>Biomacromolecules</i> , 2001, 2, 706-728.	2.6	68
205	Acid dissolution of copper oxides as a method for the activation of Cu(0) wire catalyst for SET- LRP . <i>Journal of Polymer Science Part A</i> , 2011, 49, 4241-4252.	2.5	68
206	Liquid-crystalline polyethers based on conformational isomerism. 10. Synthesis and determination of the virtual mesophases of polyethers based on 1-(4-hydroxyphenyl)-2-(2-methyl-4-hydroxyphenyl)ethane and .alpha.,.omega.-dibromoalkanes containing from 17 to 20 methylene units. <i>Macromolecules</i> , 1990, 23, 3509-3520.	2.2	67
207	Liquid crystalline polymers containing mesogenic units based on half-disc and rod-like moieties. I. Synthesis and characterization of 4-(11-undecan-1-yloxy)-4'-[3,4,5-tri(p-n-dodecan-1-yloxybenzyloxy)benzoate]biphenyl side groups. <i>Journal of Polymer Science Part A</i> , 1991, 29, 591-597.	2.5	67
208	Molecular-Recognition-Directed Self-Assembly of Supramolecular Polymers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1994, 31, 1031-1070.	1.2	67
209	No Reduction of CuBr_2 during Cu(0)-Catalyzed Living Radical Polymerization of Methyl Acrylate in DMSO at 25 $^\circ\text{C}$. <i>Macromolecules</i> , 2012, 45, 8267-8274.	2.2	67
210	Acceleration of the single electron transfer-degenerative chain transfer mediated living radical polymerization (SET-DTLRP) of vinyl chloride in water at 25 $^\circ\text{C}$. <i>Journal of Polymer Science Part A</i> , 2004, 42, 6364-6374.	2.5	66
211	Synthesis, Structural Analysis, and Visualization of a Library of Dendronized Polyphenylacetylenes. <i>Chemistry - A European Journal</i> , 2006, 12, 5731-5746.	1.7	66
212	trans-Chloro(1-Naphthyl)bis(triphenylphosphine)nickel(II)/PCy ₃ Catalyzed Cross-Coupling of Aryl and Heteroaryl Neopentylglycolboronates with Aryl and Heteroaryl Mesylates and Sulfamates at Room Temperature. <i>Journal of Organic Chemistry</i> , 2012, 77, 2885-2892.	1.7	66
213	One-Component Multifunctional Sequence-Defined Ionizable Amphiphilic Janus Dendrimer Delivery Systems for mRNA. <i>Journal of the American Chemical Society</i> , 2021, 143, 12315-12327.	6.6	66
214	Catalytic effect of ionic liquids in the Cu ₂ O/2,2'-bipyridine catalyzed living radical polymerization of methyl methacrylate initiated with arenesulfonyl chlorides. <i>Journal of Polymer Science Part A</i> , 2005, 43, 5609-5619.	2.5	65
215	The effect of ligand on the rate of propagation of Cu(0)-wire catalyzed SET- LRP of MA in DMSO at 25 $^\circ\text{C}$. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5629-5638.	2.5	65
216	Aqueous SET-LRP catalyzed with H_2O_2 -generated Cu(0) demonstrates surface mediated activation and bimolecular termination. <i>Polymer Chemistry</i> , 2015, 6, 2084-2097.	1.9	65

#	ARTICLE	IF	CITATIONS
217	Bioinspired supramolecular liquid crystals. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 2709-2719.	1.6	64
218	SET-LRP of vinyl chloride initiated with CHBr_3 in DMSO at 25 °C. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4130-4140.	2.5	64
219	Deconstruction as a Strategy for the Design of Libraries of Self-Assembling Dendrons. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7002-7005.	7.2	64
220	SET-LRP of hydrophobic and hydrophilic acrylates in trifluoroethanol. <i>Polymer Chemistry</i> , 2013, 4, 3212.	1.9	64
221	Towards tobacco mosaic virus-like self-assembled supramolecular architectures. <i>Macromolecular Symposia</i> , 1994, 77, 237-265.	0.4	63
222	Synthesis of poly(vinyl chloride)-b-poly(n-butyl acrylate)-b-poly(vinyl chloride) by the competitive single-electron-transfer/degenerative-chain-transfer-mediated living radical polymerization in water. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3001-3008.	2.5	63
223	Mesophase behavior in thermotropic polyethers based on the semi-flexible mesogen 1-(4-hydroxyphenyl)-2-(2-methyl-4-hydroxyphenyl)ethane. <i>Macromolecules</i> , 1992, 25, 2112-2121.	2.2	62
224	Macrocyclization Overrides the Polymer Effect in the Stabilization of Liquid Crystalline (LC) Phases with a Novel Odd-Even Alternation. A Demonstration with LC Crown Ethers. <i>Macromolecules</i> , 1997, 30, 943-952.	2.2	62
225	CuI and CuII salts of group VIA elements as catalysts for living radical polymerization initiated with sulfonyl chlorides. <i>Journal of Polymer Science Part A</i> , 2000, 38, 3839-3843.	2.5	62
226	Poly(Oxazoline)s with Tapered Minidendritic Side Groups as Models for the Design of Synthetic Macromolecules with Tertiary Structure. A Demonstration of the Limitations of Living Polymerization in the Design of 3-D Structures Based on Single Polymer Chains. <i>Biomacromolecules</i> , 2001, 2, 729-740.	2.6	62
227	SET-LRP of N-(2-hydroxypropyl)methacrylamide in H ₂ O. <i>Polymer Chemistry</i> , 2013, 4, 2424.	1.9	62
228	Synthesis of functional poly(p-phenylene)s from substituted hydroquinones via nickel-catalyzed coupling of their bistriflates. <i>Macromolecules</i> , 1992, 25, 1816-1823.	2.2	61
229	Fluorocarbon-ended polymers: Metal catalyzed radical and living radical polymerizations initiated by perfluoroalkylsulfonyl halides. <i>Journal of Polymer Science Part A</i> , 2000, 38, 3313-3335.	2.5	61
230	Dramatic decrease of the cis content and molecular weight of cis-transoidal polyphenylacetylene at 23 °C in solutions prepared in air. <i>Journal of Polymer Science Part A</i> , 2002, 40, 3212-3220.	2.5	61
231	Thixotropic Twin-Dendritic Organogelators. <i>Chemistry - A European Journal</i> , 2008, 14, 909-918.	1.7	61
232	Zero-Valent Metals Accelerate the Neopentylglycolborylation of Aryl Halides Catalyzed by NiCl_2 -Based Mixed-Ligand Systems. <i>Journal of Organic Chemistry</i> , 2010, 75, 7822-7828.	1.7	61
233	Polypentadeuterophenylacetylene isomers. <i>Journal of Polymer Science, Polymer Letters Edition</i> , 1979, 17, 421-429.	0.4	60
234	Liquid crystal polymers containing macroheterocyclic ligands. 2. Side chain liquid crystal polysiloxanes and polymethacrylates containing 4-(ω -alkan-1-yloxy)-4'-(4'-carboxybenzo-15-crown-5)biphenyl side groups. <i>Macromolecules</i> , 1989, 22, 4408-4412.	2.2	60

#	ARTICLE	IF	CITATIONS
235	Where is Cu(0) generated by disproportionation during SET-LRP?. <i>Polymer Chemistry</i> , 2013, 4, 1328.	1.9	60
236	The influence of molecular weight on the reactivity of a vinylbenzyl ether macromonomer of poly(2,6-dimethyl-1,4-phenylene oxide). <i>Journal of Polymer Science Part A</i> , 1987, 25, 2605-2627.	2.5	59
237	Molecular design of novel liquid crystalline polymers with complex architecture: Macrocyclics and dendrimers. <i>Pure and Applied Chemistry</i> , 1995, 67, 2031-2038.	0.9	59
238	Synthesis of ultrahigh molar mass poly(2-hydroxyethyl methacrylate) by single-electron transfer living radical polymerization. <i>Polymer Chemistry</i> , 2013, 4, 2760.	1.9	59
239	Synthesis of non-fouling poly[N-(2-hydroxypropyl)methacrylamide] brushes by photoinduced SET-LRP. <i>Polymer Chemistry</i> , 2015, 6, 4210-4220.	1.9	59
240	Molecular recognition directed phase transitions in side-chain liquid crystalline polymers containing crown ethers. <i>Macromolecules</i> , 1992, 25, 2563-2565.	2.2	58
241	Synthesis, structural, and retrostructural analysis of helical dendronized poly(1- α -naphthylacetylene)s. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4974-4987.	2.5	58
242	Nanomechanical Function Made Possible by Suppressing Structural Transformations of Polyarylacetylenes. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1759-1768.	1.1	58
243	Dendronized supramolecular polymers self-assembled from dendritic ionic liquids. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4165-4193.	2.5	58
244	Liquid Quasicrystals. <i>Israel Journal of Chemistry</i> , 2011, 51, 1206-1215.	1.0	57
245	Dendronized Poly(2-oxazoline) Displays within only Five Monomer Repeat Units Liquid Quasicrystal, A15 and $\sqrt{3}$ Frank-Kasper Phases. <i>Journal of the American Chemical Society</i> , 2018, 140, 16941-16947.	6.6	57
246	Design-functionality relationships for adhesion/growth-regulatory galectins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2837-2842.	3.3	57
247	Air-Stable Nickel Precatalysts for Fast and Quantitative Cross-Coupling of Aryl Sulfamates with Aryl Neopentylglycolboronates at Room Temperature. <i>Organic Letters</i> , 2014, 16, 6326-6329.	2.4	56
248	Hierarchical Self-Organization of Perylene Bisimides into Supramolecular Spheres and Periodic Arrays Thereof. <i>Journal of the American Chemical Society</i> , 2016, 138, 14798-14807.	6.6	56
249	AFM Visualization of Individual and Periodic Assemblies of a Helical Dendronized Polyphenylacetylene on Graphite. <i>Macromolecules</i> , 2006, 39, 7342-7351.	2.2	55
250	Improving the initiation efficiency in the single electron transfer living radical polymerization of methyl acrylate with electronic chain-end mimics. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1235-1247.	2.5	54
251	Self-activation and activation of Cu(0) wire for SET-LRP mediated by fluorinated alcohols. <i>Polymer Chemistry</i> , 2014, 5, 89-95.	1.9	54
252	Biaxiality in a Cyclic Thermotropic Nematic Liquid Crystal. <i>Europhysics Letters</i> , 1994, 25, 199-204.	0.7	53

#	ARTICLE	IF	CITATIONS
253	Aryl Mesylates in Metal-Catalyzed Homocoupling and Cross-Coupling Reactions. 3. A Simple and General Method for the Synthesis of 2,2'-Diaroyl-4,4'-dihydroxybiphenyls. <i>Journal of Organic Chemistry</i> , 1995, 60, 1066-1069.	1.7	53
254	Regioregular and Regioirregular Poly(p-phenylene)s via Ni(0)-Catalyzed Homocoupling of Arylene Bismesylates. <i>Macromolecules</i> , 1996, 29, 3727-3735.	2.2	53
255	Poly(p-phenylene)s with Mesogenic Side Groups: A Potential Class of Ni Side Chain Liquid Crystalline Polymers?. <i>Macromolecules</i> , 1999, 32, 2597-2604.	2.2	53
256	A ¹³ C-NMR study of the microstructure of polyphenylacetylenes prepared with MoCl ₅ and WCl ₆ . <i>Polymer Bulletin</i> , 1983, 9, 548.	1.7	52
257	Liquid-crystalline polyethers based on conformational isomerism. 16. Hexagonal columnar phase (.PHI.h) in a nondiscotic copolyether based on 1,2-bis(4-hydroxyphenyl)ethane, 1,8-dibromooctane, and 1,12-dibromododecane, and the novel 2-dimensional-3-dimensional .PHI.h-sB transition. <i>Macromolecules</i> , 1991, 24, 953-957.	2.2	52
258	Phase Identification in a Series of Liquid Crystalline TPP Polyethers and Copolyethers Having Highly Ordered Mesophase Structures. 1. Phase Diagrams of Odd-Numbered TPP Polyethers. <i>Macromolecules</i> , 1996, 29, 294-305.	2.2	52
259	Self-Assembly of Hybrid Dendrons with Complex Primary Structure Into Functional Helical Pores. <i>Chemistry - A European Journal</i> , 2007, 13, 3989-4007.	1.7	52
260	SET-LRP of hydrophobic and hydrophilic acrylates in tetrafluoropropanol. <i>Polymer Chemistry</i> , 2013, 4, 5555.	1.9	52
261	SET-LRP of semifluorinated acrylates and methacrylates. <i>Polymer Chemistry</i> , 2014, 5, 5479-5491.	1.9	52
262	Surface Order in Thin Films of Self-Assembled Columnar Liquid Crystals. <i>Macromolecules</i> , 2002, 35, 3717-3721.	2.2	51
263	Single electron transfer "degenerative chain transfer living radical polymerization of N-butyl acrylate catalyzed by Na ₂ S ₂ O ₄ in water media. <i>Journal of Polymer Science Part A</i> , 2006, 44, 2809-2825.	2.5	51
264	Elucidating the Structure of the $Pm\bar{3}n$ Cubic Phase of Supramolecular Dendrimers through the Modification of their Aliphatic to Aromatic Volume Ratio. <i>Chemistry - A European Journal</i> , 2009, 15, 8994-9004.	1.7	51
265	Hemicellulose-Based Multifunctional Macroinitiator for Single-Electron-Transfer Mediated Living Radical Polymerization. <i>Biomacromolecules</i> , 2011, 12, 253-259.	2.6	51
266	SET-LRP of 2-hydroxyethyl acrylate in protic and dipolar aprotic solvents. <i>Polymer Chemistry</i> , 2013, 4, 2995.	1.9	51
267	Columnar Liquid Crystals in Cylindrical Nanoconfinement. <i>ACS Nano</i> , 2015, 9, 1759-1766.	7.3	51
268	Encoding biological recognition in a bicomponent cell-membrane mimic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5376-5382.	3.3	51
269	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1987, 8, 331-337.	1.1	50
270	TREN versus Me ₆ TREN as ligands in SET-LRP of methyl acrylate. <i>Journal of Polymer Science Part A</i> , 2012, 50, 35-46.	2.5	50

#	ARTICLE	IF	CITATIONS
271	New telechelic polymers and sequential copolymers by polyfunctional initiator-transfer agents (Inifers). <i>Polymer Bulletin</i> , 1982, 8, 571-578.	1.7	49
272	Liquid crystalline polyethers and copolyethers based on conformational isomerism. 3. The influence of thermal history on the phase transitions of the thermotropic polyethers and copolyethers based on 1-(4-hydroxyphenyl)-2-(2-methyl-4-hydroxyphenyl)ethane and flexible spacers containing an odd number of methylene units. <i>Macromolecules</i> , 1989, 22, 3229-3242.	2.2	49
273	Liquid-crystalline polymers containing heterocycloalkanedyl groups as mesogens. 8. Morphological evidence for microphase separation in poly(methylsiloxane-co-dimethylsiloxane)s containing 2-[4-(2(S)-methyl-1-butoxy)phenyl]-5-(11-undecanyl)-1,3,2-dioxaborinane side groups. <i>Macromolecules</i> , 1990, 23, 2092-2095.	2.2	49
274	Organocopper-catalyzed living radical polymerization initiated with aromatic sulfonyl chlorides. <i>Journal of Polymer Science Part A</i> , 2000, 38, 4353-4361.	2.5	49
275	Self-organisation of dodeca-dendronized fullerene into supramolecular discs and helical columns containing a nanowire-like core. <i>Chemical Science</i> , 2015, 6, 3393-3401.	3.7	49
276	Bioactive cell-like hybrids from dendrimersomes with a human cell membrane and its components. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 744-752.	3.3	49
277	Functional polymers and sequential copolymers by phase transfer catalysis. 14. Thermotropic polyethers and copolyethers based on 4,4'-dihydroxybiphenyl. <i>Journal of Polymer Science, Polymer Letters Edition</i> , 1985, 23, 185-194.	0.4	48
278	Simultaneous x-ray/DSC study of mesomorphism in polymers with a semiflexible mesogen. <i>Macromolecules</i> , 1990, 23, 3411-3416.	2.2	48
279	Targeted Delivery of mRNA with One-Component Ionizable Amphiphilic Janus Dendrimers. <i>Journal of the American Chemical Society</i> , 2021, 143, 17975-17982.	6.6	48
280	Synthesis of aromatic polyethers by Scholl reaction. I. Poly(1,1'-dinaphthyl ether phenyl sulfone)s and poly(1,1'-dinaphthyl ether phenyl ketone)s. <i>Journal of Polymer Science Part A</i> , 1988, 26, 783-805.	2.5	47
281	Liquid crystal polymers containing macroheterocyclic ligands. 4. Synthesis of mesomorphic polymers containing crown ethers by cationic cyclocopolymerization of 1,2-bis(2-ethenyl-oxyethoxy)benzene with mesogenic vinyl ethers. <i>Journal of Polymer Science, Part C: Polymer Letters</i> , 1990, 28, 345-355.	0.7	47
282	Molecular engineering of liquid-crystal polymers by living polymerization. 14. Synthesis and characterization of binary copolymers of .omega.-[(4-cyano-4'-biphenyl)oxy]alkyl vinyl ethers containing undecanyl and hexyl, pentyl and propyl, and undecanyl and propyl pairs of alkyl groups. <i>Macromolecules</i> , 1991, 24, 4963-4971.	2.2	47
283	Helical Porous Protein Mimics Self-Assembled from Amphiphilic Dendritic Dipeptides. <i>Australian Journal of Chemistry</i> , 2005, 58, 472.	0.5	47
284	Intramolecular charge transfer complexes. <i>Polymer Bulletin</i> , 1980, 3, 535-542.	1.7	46
285	Macromonomers, Oligomers and Telechelic Polymers. , 1989, , 281-357.		46
286	Molecular Recognition Directed Self-Assembly of Supramolecular Architectures. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1994, 31, 1719-1758.	1.2	46
287	Rational Design of a Hexagonal Columnar Mesophase in Telechelic Alternating Multicomponent Semifluorinated Polyethylene Oligomers. <i>Macromolecules</i> , 1997, 30, 645-648.	2.2	46
288	Ultrafast synthesis of poly(methyl acrylate) and poly(methyl acrylate)-b-poly(vinyl chloride) by the polymerization and block copolymerization of methyl acrylate initiated with 1,1-chloroiodoethane and 1,1-Di(iodo)poly(vinyl chloride) in dimethyl sulfoxide. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1948-1954.	2.5	46

#	ARTICLE	IF	CITATIONS
289	Synthesis of well-defined photoresist materials by SET-LRP. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2251-2255.	2.5	46
290	SET-LRP of methacrylates in fluorinated alcohols. <i>Polymer Chemistry</i> , 2013, 4, 5563.	1.9	46
291	SET-LRP of NIPAM in water via in situ reduction of Cu(II) to Cu(0) with NaBH ₄ . <i>Polymer Chemistry</i> , 2016, 7, 933-939.	1.9	46
292	Liquid-crystal polyethers containing macroheterocyclic ligands. 1. Polyethers and copolyethers based on 4,4'-dihydroxy- α -methylstilbene, bis(8-bromooctyl)dibenzo-18-crown-6 and/or 1,11-dibromoundecane. <i>Macromolecules</i> , 1989, 22, 2043-2047.	2.2	45
293	Metal-catalyzed living radical graft copolymerization of butyl methacrylate and styrene initiated from the structural Defects of narrow molecular weight distribution poly(vinyl chloride). <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 1674-1683.	1.1	45
294	Supramolecular Structural Diversity among First-Generation Hybrid Dendrimers and Twin Dendrons. <i>Chemistry - A European Journal</i> , 2008, 14, 3355-3362.	1.7	45
295	Merging Macromolecular and Supramolecular Chemistry into Bioinspired Synthesis of Complex Systems. <i>Israel Journal of Chemistry</i> , 2020, 60, 48-66.	1.0	45
296	Mesophase Identifications in a Series of Liquid Crystalline TPP Polyethers and Copolyethers Having Highly Ordered Mesophase Structures. 2. Phase Diagram of Even-Numbered Polyethers. <i>Macromolecules</i> , 1996, 29, 3421-3431.	2.2	44
297	Design of Side Chain and Main Chain Liquid Crystalline Polymers Containing Supramolecular Quasi-Rigid-Rodlike Mesogens Obtained from Collapsed Main Chain Macrocyclics. <i>Macromolecules</i> , 1996, 29, 3736-3750.	2.2	44
298	A New Strategy for the Preparation of Supramolecular Neutral Hydrogels. <i>Biomacromolecules</i> , 2002, 3, 272-279.	2.6	44
299	Synthesis of poly(methyl methacrylate)- <i>b</i> -poly(vinyl chloride)- <i>b</i> -poly(methyl methacrylate) block copolymers by CuCl ₂ /2,2'-bipyridine-catalyzed living radical block copolymerization initiated from α,ω -di(iodo)poly(vinyl chloride) prepared by single-electron-transfer/degenerative-chain-transfer mediated living radical polymerization. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1478-1486.	2.5	44
300	Recasting Metal Alloy Phases with Block Copolymers. <i>Science</i> , 2010, 330, 333-334.	6.0	44
301	Solubilization of Regioregular and Regioirregular Poly(p-phenylene)s via CF ₃ and OCF ₃ Substituents To Generate a Model for Rigid-Rod Polymers. <i>Macromolecules</i> , 1996, 29, 7284-7293.	2.2	43
302	A rational approach to activated polyacrylates and polymethacrylates by using a combination of model reactions and SET-LRP of hexafluoroisopropyl acrylate and methacrylate. <i>Polymer Chemistry</i> , 2015, 6, 3259-3270.	1.9	43
303	The Unexpected Importance of the Primary Structure of the Hydrophobic Part of One-Component Ionizable Amphiphilic Janus Dendrimers in Targeted mRNA Delivery Activity. <i>Journal of the American Chemical Society</i> , 2022, 144, 4746-4753.	6.6	43
304	Polymerization of acetylenic derivatives. XXVII. Synthesis and properties of isomeric poly-N-ethynylcarbazole. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1977, 15, 2893-2907.	0.8	42
305	Functional polymers and sequential copolymers by phase transfer catalysis. 25. Transformation of a monotropic mesophase into an enantiotropic one by increasing the molecular weight of the polymer and by copolymerization. <i>Journal of Polymer Science Part A</i> , 1987, 25, 405-431.	2.5	42
306	Liquid crystalline polyethers based on conformational isomerism. 1. Quasi-rigid polyethers containing methyleneoxy units. <i>Macromolecules</i> , 1988, 21, 3379-3386.	2.2	42

#	ARTICLE	IF	CITATIONS
307	Ultrafast single-electron-transfer/degenerative-chain-transfer mediated living radical polymerization of acrylates initiated with iodoform in water at room temperature and catalyzed by sodium dithionite. <i>Journal of Polymer Science Part A</i> , 2005, 43, 2178-2184.	2.5	42
308	Complex Arrangement of Orthogonal Nanoscale Columns via a Supramolecular Orientational Memory Effect. <i>ACS Nano</i> , 2016, 10, 10480-10488.	7.3	42
309	Supramolecular Spheres Self-Assembled from Conical Dendrons Are Chiral. <i>Journal of the American Chemical Society</i> , 2019, 141, 6162-6166.	6.6	42
310	Extraordinary Acceleration of Cogwheel Helical Self-Organization of Dendronized Perylene Bisimides by the Dendron Sequence Encoding Their Tertiary Structure. <i>Journal of the American Chemical Society</i> , 2020, 142, 9525-9536.	6.6	42
311	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1985, 6, 97-104.	1.1	41
312	Living non-conjugated polyacetylenes. <i>Polymer Bulletin</i> , 1987, 18, 303.	1.7	41
313	Liquid crystalline polymers containing heterocycloalkane mesogens. 2. Side-chain liquid crystalline polysiloxanes containing 2,5-disubstituted-1,3-dioxane mesogens. <i>Journal of Polymer Science Part A</i> , 1987, 25, 2425-2445.	2.5	41
314	Liquid crystalline polymers containing heterocycloalkane mesogens. <i>Polymer Bulletin</i> , 1987, 17, 49-54.	1.7	41
315	Synthesis and characterization of segmented copolymers of aromatic polyether sulphone and a thermotropic liquid crystalline polyester. <i>Polymer</i> , 1988, 29, 938-949.	1.8	41
316	Liquid-crystalline polyethers based on conformational isomerism. 32. Effect of molecular weight on the phase behavior of linear and macrocyclic oligoethers and of linear polyethers based on 1-(4-hydroxy-4'-biphenyl)-2-(4-hydroxyphenyl)butane and 1,10-dibromodecane. <i>Macromolecules</i> , 1993, 26, 3663-3675.	2.2	41
317	Single electron transfer-degenerative chain transfer mediated living radical polymerization (SET-DTLRP) of vinyl chloride initiated with methylene iodide and catalyzed by sodium dithionite. <i>Journal of Polymer Science Part A</i> , 2005, 43, 773-778.	2.5	41
318	Synthesis of poly(vinyl chloride)-b-poly(2-ethylhexyl acrylate)-b-poly(vinyl chloride) by the competitive single-electron-transfer/degenerative-chain-transfer mediated living radical polymerization of vinyl chloride initiated from 1,1-di(iodo)poly(2-ethylhexyl acrylate) and catalyzed with sodium dithionite in water. <i>Journal of Polymer Science Part A</i> , 2005, 43, 2276-2280.	2.5	41
319	Why Are Biological Systems Homochiral?. <i>Israel Journal of Chemistry</i> , 2011, 51, 1107-1117.	1.0	41
320	Complex Adaptable Systems based on Self-Assembling Dendrimers and Dendrons: Toward Dynamic Materials. <i>Israel Journal of Chemistry</i> , 2013, 53, 30-44.	1.0	41
321	Single-electron transfer-mediated living radical polymerization of oligo(ethylene oxide) methyl ether methacrylate in the absence and presence of air. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3110-3122.	2.5	41
322	Reaction of a Programmable Glycan Presentation of Glycodendrimersomes and Cells with Engineered Human Lectins To Show the Sugar Functionality of the Cell Surface. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14677-14681.	7.2	41
323	Encapsulation of hydrophobic components in dendrimersomes and decoration of their surface with proteins and nucleic acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15378-15385.	3.3	41
324	Intramolecular charge transfer complexes: 1. Poly [N-(2-hydroxyethyl) carbazolyl methacrylate-co-picryl methacrylate]. <i>Polymer</i> , 1980, 21, 417-422.	1.8	40

#	ARTICLE	IF	CITATIONS
325	Liquid crystalline polymers containing mesogenic units based on half-disc and rod-like moieties. <i>Polymer Bulletin</i> , 1990, 24, 255-262.	1.7	40
326	Molecular engineering of liquid crystal polymers by living polymerization: 9. Living cationic polymerization of 5-[(4-cyano-4'-biphenyl)oxy]pentyl vinyl ether and 7-[(4-cyano-4'-biphenyl)oxy]heptyl vinyl ether, and the mesomorphic behaviour of the resulting polymers. <i>Polymer</i> , 1992, 33, 703-711.	1.8	40
327	Dendrimeric Liquid Crystals: An Isotropic-Nematic Pretransitional Behavior. <i>Macromolecules</i> , 1996, 29, 7813-7819.	2.2	40
328	Expression of Molecular Chirality and Two-Dimensional Supramolecular Self-Assembly of Chiral, Racemic, and Achiral Monodendrons at the Liquid-Solid Interface. <i>Langmuir</i> , 2004, 20, 7678-7685.	1.6	40
329	Ultrafast synthesis of poly(methyl methacrylate)-b-poly(vinyl chloride)-b-poly(methyl methacrylate) block copolymers by the Cu(O)/tris(2-dimethylaminoethyl)amine-catalyzed living radical block copolymerization of methyl methacrylate initiated with 1,1'-di(iodo)poly(vinyl chloride) in the presence of dimethyl sulfoxide at 25 °C. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1660-1669.	2.5	40
330	Proton Transport from Dendritic Helical Pore-Incorporated Polymersomes. <i>Advanced Functional Materials</i> , 2009, 19, 2930-2936.	7.8	40
331	Synthesis of high molar mass poly(<i>n</i> -butyl acrylate) and poly(2-ethylhexyl acrylate) by SET-LRP in mixtures of fluorinated alcohols with DMSO. <i>Polymer Chemistry</i> , 2014, 5, 169-174.	1.9	40
332	Increasing 3D Supramolecular Order by Decreasing Molecular Order. A Comparative Study of Helical Assemblies of Dendronized Nonchlorinated and Tetrachlorinated Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2015, 137, 5210-5224.	6.6	40
333	Ultrafast SET-LRP of hydrophobic acrylates in multiphase alcohol-water mixtures. <i>Polymer Chemistry</i> , 2016, 7, 3608-3621.	1.9	40
334	Supramolecular spheres assembled from covalent and supramolecular dendritic crowns dictate the supramolecular orientational memory effect mediated by Frank-Kasper phases. <i>Giant</i> , 2020, 1, 100001.	2.5	40
335	Functional polymers and sequential copolymers by phase transfer catalysis. <i>Polymer Bulletin</i> , 1986, 16, 521-527.	1.7	39
336	Synthesis and characterization of liquid crystalline poly(N-acyl ethyleneimine)s. <i>Journal of Polymer Science Part A</i> , 1987, 25, 2269-2279.	2.5	39
337	Synthesis of poly(vinyl ether)s with perfluoroalkyl pendant groups. <i>Die Makromolekulare Chemie</i> , 1992, 193, 275-284.	1.1	39
338	Synthesis of Functional Polyphenylenes from Substituted Hydroquinones via Nickel(0)-Catalyzed Polymerization of Their Bismesylates. <i>Macromolecules</i> , 1995, 28, 6726-6734.	2.2	39
339	Phase transfer catalyzed single electron transfer-degenerative chain transfer mediated living radical polymerization (PTC-SET-DTLRP) of vinyl chloride catalyzed by sodium dithionite and initiated with iodoform in water at 43 °C. <i>Journal of Polymer Science Part A</i> , 2005, 43, 779-788.	2.5	39
340	Accelerated synthesis of poly(methyl methacrylate)-b-poly(vinyl chloride)-b-poly(methyl methacrylate) block copolymers by the CuCl/tris(2-dimethylaminoethyl)amine-catalyzed living radical block copolymerization of methyl methacrylate initiated with 1,1'-di(iodo)poly(vinyl chloride) in dimethyl sulfoxide at 90 °C. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1649-1659.	2.5	39
341	N-chloro amides, lactams, carbamates, and imides. New classes of initiators for the metal-catalyzed living radical polymerization of methacrylates. <i>Journal of Polymer Science Part A</i> , 2005, 43, 5283-5299.	2.5	39
342	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1987, 188, 1017-1031.	1.1	38

#	ARTICLE	IF	CITATIONS
343	Influence of the isomeric structures of butyl acrylate on its single-electron transfer-degenerative chain transfer living radical polymerization in water Catalyzed by Na ₂ S ₂ O ₄ . Journal of Polymer Science Part A, 2008, 46, 6542-6551.	2.5	38
344	Membrane-Mimetic Dendrimersomes Engulf Living Bacteria via Endocytosis. Nano Letters, 2019, 19, 5732-5738.	4.5	38
345	Helical Chirality of Supramolecular Columns and Spheres Self-Organizes Complex Liquid Crystals, Crystals, and Quasicrystals. Israel Journal of Chemistry, 2021, 61, 530-556.	1.0	38
346	The Polymerization of Acetylenic Derivatives. XXV. Synthesis and Properties of Isomeric Poly(1 ² -ethynyl naphthalene). Polymer Journal, 1976, 8, 139-149.	1.3	37
347	New telechelic polymers and sequential copolymers by polyfunctional initiator-transfer agents (inifers). Polymer Bulletin, 1982, 8, 25-32.	1.7	37
348	Title is missing!. Die Makromolekulare Chemie, 1984, 185, 1867-1880.	1.1	37
349	Phase transfer Pd(0)/Cu(I) catalysed polymerization reactions 7. Synthesis and thermotropic behaviour of 1,4-bis[2-(3,3'-difluoro-4,4'-di- <i>n</i> -alkyloxyphenyl)-ethynyl]benzene dimers. Liquid Crystals, 1999, 10, 229-242.		37
350	Comparison of the supramolecular structures formed by a polymethacrylate with a highly tapered side chain and its monomeric precursor. Macromolecular Symposia, 1994, 87, 103-114.	0.4	37
351	SANS Study of a Semiflexible Main Chain Liquid Crystalline Polyether. Macromolecules, 1995, 28, 5427-5433.	2.2	37
352	Synthesis of ultrahigh molar mass, structural defects free poly(vinyl chloride) with high syndiotacticity and glass transition temperature by single electron transfer-degenerative chain transfer living radical polymerization (SET-DTLRP). Journal of Polymer Science Part A, 2005, 43, 2185-2187.	2.5	37
353	Why Do Membranes of Some Unhealthy Cells Adopt a Cubic Architecture?. ACS Central Science, 2016, 2, 943-953.	5.3	37
354	Monodisperse Macromolecules by Self-Interrupted Living Polymerization. Journal of the American Chemical Society, 2020, 142, 15265-15270.	6.6	37
355	Nanovesicles displaying functional linear and branched oligomannose self-assembled from sequence-defined Janus glycodendrimers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11931-11939.	3.3	37
356	Donor-acceptor complexation in macromolecular systems. Polymer Bulletin, 1982, 6, 617.	1.7	36
357	Synthesis and group transfer polymerization and copolymerization of p-vinylbenzyl methacrylate. Polymer Bulletin, 1985, 14, 109-116.	1.7	36
358	X-ray analysis of the internal rearrangement of the self-assembling columnar structure formed by a highly tapered molecule. Polymer, 1998, 39, 4515-4522.	1.8	36
359	Screening Libraries of Amphiphilic Janus Dendrimers Based on Natural Phenolic Acids to Discover Monodisperse Unilamellar Dendrimersomes. Biomacromolecules, 2019, 20, 712-727.	2.6	36
360	Thermally reactive oligomers of aromatic poly(ether sulphone) containing poly(dimethylsiloxane): 1. Synthesis and characterization. Polymer, 1987, 28, 119-131.	1.8	35

#	ARTICLE	IF	CITATIONS
361	Can the rigidity of a side-chain liquid-crystalline polymer backbone influence the mechanism of distortion of its random-coil conformation?. <i>Polymer</i> , 1990, 31, 1658-1662.	1.8	35
362	Molecular engineering of liquid-crystalline polymers by living polymerization. Part 13. Synthesis and living cationic polymerization of (S)-(α)-2-methylbutyl 4-(1-vinyloxy)alkoxybiphenyl-4-carboxylate with undecanyl and hexyl alkyl groups. <i>Journal of Materials Chemistry</i> , 1991, 1, 611-619.	6.7	35
363	Liquid-crystalline polyethers based on conformational isomerism. 31. Absence of chiral molecular recognition in irregular linear and macrocyclic liquid-crystalline polyethers based on 1-(4-hydroxy-4'-biphenyl)-2-(4-hydroxyphenyl)butane and .alpha.,.omega.-dibromoalkanes. <i>Macromolecules</i> , 1993, 26, 3917-3928.	2.2	35
364	Gel template leaching: An approach to functional nanoporous membranes. <i>Macromolecular Symposia</i> , 1996, 102, 381-390.	0.4	35
365	X-ray Reflectivity Study of Langmuir Films of Amphiphilic Monodendrons. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2170-2176.	1.2	35
366	Arenesulfonyl bromides: The second universal class of functional initiators for the metal-catalyzed living radical polymerization of methacrylates, acrylates, and styrenes. <i>Journal of Polymer Science Part A</i> , 2005, 43, 319-330.	2.5	35
367	¹³ C-NMR studies of thermally isomerized polyphenylacetylenes prepared with MoCl ₅ and WCl ₆ catalysts. <i>Polymer Bulletin</i> , 1983, 9, 582-587.	1.7	34
368	Molecular Engineering of Liquid Crystal Polymers by Living Polymerization. VIII. Influence of Molecular Weight on the Phase Behavior of Poly {1-[(4-Cyano-4'-biphenyl)-oxy]alkyl Vinyl Ether}s with Ethyl, Propyl, and Butyl Alkyl Groups. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1991, 28, 651-672.	0.4	34
369	Solid-state carbon-13 NMR studies of molecular motion in MBPE-9 and MBPE-5. <i>Macromolecules</i> , 1992, 25, 5991-5999.	2.2	34
370	Mesomorphic polyelectrolytes based on side-chain liquid-crystalline polymers containing end-on fixed mesogens and oligooxyethylene spacers. <i>Journal of Materials Chemistry</i> , 1993, 3, 633.	6.7	34
371	Structure and conductivity of liquid crystal channel-like linic complexes of taper-shaped compounds. <i>Advanced Materials for Optics and Electronics</i> , 1994, 4, 303-313.	0.6	34
372	Monodisperse Linear Liquid Crystalline Polyethers via a Repetitive 2n Geometric Growth Algorithm. <i>Macromolecules</i> , 1997, 30, 7701-7720.	2.2	34
373	Charge transport in hexagonal columnar liquid crystals self-organized from supramolecular cylinders based on acene-functionalized dendrons. <i>Physical Review B</i> , 2003, 67, .	1.1	34
374	Grafting of functional methacrylate polymer brushes by photoinduced SET-LRP. <i>Polymer Chemistry</i> , 2016, 7, 6934-6945.	1.9	34
375	A Tetragonal Phase Self-Organized from Unimolecular Spheres Assembled from a Substituted Poly(2-oxazoline). <i>Macromolecules</i> , 2017, 50, 375-385.	2.2	34
376	Hierarchical Self-Organization of Chiral Columns from Chiral Supramolecular Spheres. <i>Journal of the American Chemical Society</i> , 2018, 140, 13478-13487.	6.6	34
377	Sequence-Defined Dendrons Dictate Supramolecular Cogwheel Assembly of Dendronized Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2019, 141, 15761-15766.	6.6	34
378	Functional polymers and sequential copolymers by phase transfer catalysis. XIX. Thermotropic polythioethers and copolythioethers based on 4,4'-dithiolbiphenyl. <i>Journal of Polymer Science Part A</i> , 1986, 24, 451-467.	2.5	33

#	ARTICLE	IF	CITATIONS
379	The influence of the polymer backbone flexibility on the phase transitions of side chain liquid crystal polymers containing 6-[4-(4-methoxy- <i>p</i> -methylstyryl)phenoxy]hexyl side groups. <i>Polymer Bulletin</i> , 1989, 22, 199-206.	1.7	33
380	Dynamic light scattering from a nematic monodomain containing a side-chain liquid crystal polymer in a nematic solvent. <i>Macromolecules</i> , 1991, 24, 2385-2390.	2.2	33
381	Molecular Recognition Directed Self-Assembly of Supramolecular Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 254, 137-196.	0.3	33
382	Single-electron-transfer/degenerative-chain-transfer mediated living radical polymerization of vinyl chloride catalyzed by thiourea dioxide/octyl viologen in water/tetrahydrofuran at 25 °C. <i>Journal of Polymer Science Part A</i> , 2005, 43, 287-295.	2.5	33
383	Arenesulfonyl iodides: The third universal class of functional initiators for the metal-catalyzed living radical polymerization of methacrylates and styrenes. <i>Journal of Polymer Science Part A</i> , 2005, 43, 3920-3931.	2.5	33
384	Structure of gyroid mesophase formed by monodendrons with fluorinated alkyl tails. <i>Polymer Science - Series A</i> , 2007, 49, 158-167.	0.4	33
385	Tetrahedral Arrangements of Perylene Bisimide Columns via Supramolecular Orientational Memory. <i>ACS Nano</i> , 2017, 11, 983-991.	7.3	33
386	Polyacrylates Derived from Biobased Ethyl Lactate Solvent via SET-LRP. <i>Biomacromolecules</i> , 2019, 20, 2135-2147.	2.6	33
387	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1984, 185, 617-627.	1.1	32
388	Alternating block copolymers of aromatic poly(ether sulphone) and poly(dimethylsiloxane) by hydrosilylation. <i>Polymer</i> , 1987, 28, 1407-1417.	1.8	32
389	Mesomorphic polyelectrolytes based on side-chain liquid-crystalline polymers containing side-on fixed mesogens and oligooxyethylene spacers. <i>Journal of Materials Chemistry</i> , 1993, 3, 643.	6.7	32
390	Isomorphism within the hexagonal columnar mesophase of molecular and macromolecular self- and co-assembled columns containing tapered groups. <i>Liquid Crystals</i> , 1994, 16, 509-527.	0.9	32
391	Cell membrane as a model for the design of semifluorinated ion-selective nanostructured supramolecular systems. <i>Tetrahedron</i> , 2002, 58, 4031-4040.	1.0	32
392	Demonstrating the 8_1 -Helicity and Nanomechanical Function of Self-Organizable Dendronized Polymethacrylates and Polyacrylates. <i>Macromolecules</i> , 2017, 50, 5271-5284.	2.2	32
393	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1984, 5, 319-326.	1.1	31
394	Liquid crystalline polyethers based on conformational isomerism. 6. Influence of copolymer composition of a ternary copolyether based on 1-(4-hydroxyphenyl)-2-(2-methyl-4-hydroxyphenyl)ethane, 1,5-dibromopentane, 1,7-dibromoheptane, and 1,9-dibromononane on its mesomorphic phase transitions. <i>Macromolecules</i> , 1990, 23, 5-12.	2.2	31
395	Alkyloxy-substituted CTV derivatives that exhibit columnar mesophases. <i>Journal of Materials Chemistry</i> , 1991, 1, 217.	6.7	31
396	Liquid crystal polymers containing macroheterocyclic ligands 6. synthesis of mesomorphic polymers containing crown ethers by cationic cyclopolymerization and cyclocopolymerization of 1,2-bis(2-ethenyloxyethoxy)benzene derivatives containing mesogenic side groups. <i>Advanced Materials</i> , 1991, 3, 101-104.	11.1	31

#	ARTICLE	IF	CITATIONS
397	Liquid crystal polymers containing macroheterocyclic ligands. III. Side chain liquid crystalline polymethacrylates containing mesogenic units based on diarylacetylenes and benzo-15-crown-5. <i>Journal of Polymer Science Part A</i> , 1991, 29, 15-28.	2.5	31
398	Phase transfer catalyzed polymerization of 4-bromo-2,6-dimethylphenol in the presence of either 2,4,6-trimethylphenol or 4-tert-butyl-2,6-dimethylphenol. <i>Journal of Polymer Science Part A</i> , 1991, 29, 63-82.	2.5	31
399	Similarities and differences between the mesomorphic behaviour of oligomeric macrocyclics and of linear high relative molecular mass polyethers based on 1-(4-hydroxybiphenyl-4-yl)-2-(4-hydroxyphenyl)butane and flexible spacers. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, 1319-1334.	0.9	31
400	Transformation of a kinetically controlled nematic phase of a linear polymer into one which is thermodynamically controlled via cyclization [1]. <i>Liquid Crystals</i> , 1993, 13, 83-94.	0.9	31
401	Molecular recognition directed self-assembly of tubular supramolecular architectures from building blocks containing monodendrons as <i>exo</i> -receptors and crown- or pseudo-crown-ethers as <i>endo</i> -receptors. <i>Macromolecular Symposia</i> , 1996, 101, 43-60.	0.4	31
402	Self-Inhibition of Propagating Carbenes in ROMP of 7-Oxa-bicyclo[2.2.1]hept-2-ene-5,6-dicarboxylic Acid Dendritic Diesters Initiated with Ru(CHPh)Cl ₂ (PCy ₃)(1,3-dimesityl-4,5-dihydroimidazol-2-ylidene). <i>Macromolecules</i> , 2001, 34, 3842-3848.	2.2	31
403	Plastic- and liquid-crystalline architectures from dendritic receptor molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5093-5098.	3.3	31
404	Complex Columnar Hexagonal Polymorphism in Supramolecular Assemblies of a Semifluorinated Electron-Accepting Naphthalene Bisimide. <i>Journal of the American Chemical Society</i> , 2015, 137, 807-819.	6.6	31
405	Enhanced Concanavalin...A Binding to Preorganized Mannose Nanoarrays in Glycodendrimersomes Revealed Multivalent Interactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8352-8360.	7.2	31
406	Functional polymers and sequential copolymers by phase transfer catalysis. 18. Synthesis and characterization of $\hat{I}_{\pm, \hat{I}}\%$ -bis(2,6-dimethylphenol)- \hat{A} poly(2,6-dimethyl-1,4-phenylene oxide) and $\hat{I}_{\pm, \hat{I}}\%$ -bis(vinylbenzyl)- \hat{A} poly(2,6-dimethyl-1,4-phenylene oxide) oligomers. <i>Journal of Polymer Science Part A</i> , 1986, 24, 965-990.	2.5	30
407	Structural and Quantitative Analysis of Surface Modified Poly(vinylidene Fluoride) Films Using ATR FT-IR Spectroscopy. <i>Applied Spectroscopy</i> , 1987, 41, 843-847.	1.2	30
408	Synthesis and characterization of liquid crystalline polymethacrylates, polyacrylates, and polysiloxanes containing 4-methoxy-4-hydroxy- \hat{I}_{\pm} -methylstilbene-based mesogenic groups. <i>Journal of Polymer Science Part A</i> , 1989, 27, 999-1015.	2.5	30
409	Liquid crystalline polymers containing mesogenic units based on half-disc and rod-like moieties. <i>Polymer Bulletin</i> , 1991, 25, 431-438.	1.7	30
410	Electrorheological Behavior of Main-Chain Liquid Crystal Polymers Dissolved in Nematic Solvents. <i>Macromolecules</i> , 1997, 30, 1992-1996.	2.2	30
411	Functionalization of the active chain ends of poly(vinyl chloride) obtained by single-electron-transfer/degenerative-chain-transfer mediated living radical polymerization: Synthesis of telechelic $\hat{I}_{\pm, \hat{I}}\%$ -di(hydroxy)poly(vinyl chloride). <i>Journal of Polymer Science Part A</i> , 2005, 43, 1255-1260.	2.5	30
412	Diminished Helical Character in Para-Substituted Cis-Transoidal Polyphenylacetylenes Due to Intramolecular Cyclization. <i>Macromolecules</i> , 2005, 38, 7205-7206.	2.2	30
413	An Indefinitely Air-Stable \hat{I}_{\pm} -Nill Precatalyst for Quantitative Cross-Coupling of Unreactive Aryl Halides and Mesylates with Aryl Neopentylglycolboronates. <i>Synthesis</i> , 2016, 48, 2795-2807.	1.2	30
414	Liquid crystalline copoly(vinylether)s containing 4(4 \hat{I})-methoxy-4 \hat{I} (4)-hydroxy- \hat{I}_{\pm} -methylstilbene constitutional isomers as side groups. <i>Polymer Bulletin</i> , 1987, 18, 239.	1.7	29

#	ARTICLE	IF	CITATIONS
415	Synthesis and characterization of liquid crystalline polymethacrylates, polyacrylates, and polysiloxanes containing 4-hydroxy-4'-methoxy- α -methylstilbene based mesogenic groups. <i>Macromolecules</i> , 1989, 22, 2062-2069.	2.2	29
416	Phase transfer Pd(O) catalyzed polymerization reactions. I. Synthesis of 1,2-(4,4'-dialkoxyaryl) acetylene monomers and 1,4-Bis[2-(4'-dialkoxyphenyl)ethynyl]benzene derivatives by phase transfer Pd(O)/Cu(I) catalyzed coupling reactions. <i>Journal of Polymer Science Part A</i> , 1990, 28, 1101-1126.	2.5	29
417	Molecular engineering of liquid-crystalline polymers by living polymerization. Part 15. "Molecular design of re-entrant nematic mesophases in binary copolymers of 4'-vinylalkoxybiphenyl-4-yl cyanides. <i>Journal of Materials Chemistry</i> , 1991, 1, 1007-1014.	6.7	29
418	Molecular engineering of liquid crystal polymers by living polymerization. XI. Synthesis and characterization of poly{ 11-[(4-cyano-4'-trans-1-cyanostilbene) oxy] undecanyl vinyl ether}. <i>Journal of Polymer Science Part A</i> , 1991, 29, 1615-1622.	2.5	29
419	Dynamic light scattering from nematic monodomains containing mesogenic polymers of differing architectures. <i>Macromolecules</i> , 1992, 25, 2151-2155.	2.2	29
420	Reductive Dehalogenation vs Substitution in the Polyetherification of Bis(aryl chloride)s Activated by Carbonyl Groups with Hydroquinones: A Potential Competition between SET and Polar Pathways. <i>Macromolecules</i> , 1994, 27, 1535-1547.	2.2	29
421	Interrelation between crystallization and liquid crystal formation: A calorimetric and polarizing microscopical study on a monotropic polymer system. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 1877-1894.	2.4	29
422	Synthesis of di(iodo)PVC and of four-arm star PVC with identical active chain ends by SET-ATLRP of VC initiated with bifunctional and tetrafunctional initiators. <i>Journal of Polymer Science Part A</i> , 2009, 47, 635-652.	2.5	29
423	Disassembly via an environmentally friendly and efficient fluoros phase constructed with dendritic architectures. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2498-2508.	2.5	29
424	Ultrafast SET-LRP in biphasic mixtures of the non-disproportionating solvent acetonitrile with water. <i>Polymer Chemistry</i> , 2016, 7, 5930-5942.	1.9	29
425	Acetone-water biphasic mixtures as solvents for ultrafast SET-LRP of hydrophobic acrylates. <i>Polymer Chemistry</i> , 2017, 8, 3102-3123.	1.9	29
426	Side-chain liquid crystalline polymers containing 4-[2-(S)-methyl-1-butoxy]-4'-undecanyl-(11-undecanyl-1-oxy)- α -methylstilbene side groups. <i>Journal of Polymer Science Part A</i> , 1989, 27, 2367-2384.	2.5	28
427	Columnar mesophases of cyclic trimers of disubstituted acetylenes. <i>Journal of Materials Chemistry</i> , 1991, 1, 765.	6.7	28
428	Liquid-crystal polymers containing macroheterocyclic ligands. 5. Structure of the liquid crystal phases of poly[4-[(11-methacryloylundecan-1-yl)oxy]-4'-carboxybenzo-15-crown-5]biphenyl]. <i>Macromolecules</i> , 1991, 24, 1996-2002.	2.2	28
429	Molecular engineering of liquid crystal polymers by living polymerization: 5. Synthesis and mesomorphic behaviour of poly{2-[(4-cyano-4'-biphenyl)oxy]ethyl vinyl ether-co-8-[(4-cyano-4'-biphenyl)oxy]octyl vinyl ether}. <i>Polymer</i> , 1991, 32, 2862-2868.	1.8	28
430	Transformation of a kinetically prohibited mesophase of a linear polymer into an enantiotropic mesophase via cyclization. <i>Advanced Materials</i> , 1992, 4, 572-576.	11.1	28
431	Synthesis of the four-arm star-block copolymer [PVC-b-PBA-CH(CH ₃)CO(CH ₂) ₂ C by SET-ATLRP initiated from a tetrafunctional initiator. <i>Journal of Polymer Science Part A</i> , 2009, 47, 628-634.		28
432	Synthesis of poly(2-methoxyethyl acrylate) by single electron transfer "Degenerative transfer living radical polymerization catalyzed by Na ₂ S ₂ O ₄ in water. <i>Journal of Polymer Science Part A</i> , 2009, 47, 4454-4463.	2.5	28

#	ARTICLE	IF	CITATIONS
433	Self-Assembly of Dendritic Dipeptides as a Model of Chiral Selection in Primitive Biological Systems. <i>Topics in Current Chemistry</i> , 2012, 333, 213-253.	4.0	28
434	On the Polymerization of Acetylenic Derivatives. XXIV. Some Structural Peculiarities of Poly(\pm -ethynyl naphthalene). <i>Polymer Journal</i> , 1976, 8, 313-317.	1.3	27
435	New telechelic polymers and sequential copolymers by polyfunctional initiator-transfer agents (Inifers). <i>Polymer Bulletin</i> , 1982, 8, 563-570.	1.7	27
436	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1984, 185, 2319-2336.	1.1	27
437	Synthesis and characterization of liquid crystalline polyacrylates and polymethacrylates containing benzyl ether and diphenyl ethane based mesogens. <i>Journal of Polymer Science Part A</i> , 1989, 27, 453-466.	2.5	27
438	Self-regulated phase transitions in poly(4-{2-[4-(11-vinyloxyundecyloxy)biphenyl-4-yl]ethyl}benzo-15-crown-5) and poly(4-{2-[4-(11-methacryloylundecyloxy)biphenyl-4-yl]ethyl}benzo-15-crown-5) via molecular recognition. <i>Journal of Materials Chemistry</i> , 1993, 3, 83-96.	6.7	27
439	Long-range electron transport in a self-organizing n-type organic material. <i>Applied Physics Letters</i> , 2008, 92, 113312.	1.5	27
440	The synergistic effect during biphasic SET-LRP in ethanol/nonpolar solvent/water mixtures. <i>Polymer Chemistry</i> , 2016, 7, 7230-7241.	1.9	27
441	A multiple-stage activation of the catalytically inhomogeneous Cu(0) wire used in SET-LRP. <i>Polymer Chemistry</i> , 2016, 7, 4549-4558.	1.9	27
442	SET-LRP of the Hydrophobic Biobased Menthyl Acrylate. <i>Biomacromolecules</i> , 2018, 19, 1256-1268.	2.6	27
443	Direct Visualization of Vesicle Disassembly and Reassembly Using Photocleavable Dendrimers Elucidates Cargo Release Mechanisms. <i>ACS Nano</i> , 2020, 14, 7398-7411.	7.3	27
444	Functional polymers and sequential copolymers by phase transfer catalysis. 9. Synthesis and characterization of \pm -di[2-(p-phenoxy)-2-oxazoline] oligomers. <i>Journal of Polymer Science, Polymer Letters Edition</i> , 1984, 22, 523-532.	0.4	26
445	Phase transfer Pd(0) catalyzed polymerization reactions. <i>Polymer Bulletin</i> , 1990, 23, 177-184.	1.7	26
446	Synthesis of poly(ethyl acrylate) by single electron transfer/degenerative chain transfer living radical polymerization in water catalyzed by $\text{Na}_2\text{S}_2\text{O}_4$. <i>Journal of Polymer Science Part A</i> , 2008, 46, 421-432.	2.5	26
447	Self-Assembling Dendronized Dendrimers. <i>Israel Journal of Chemistry</i> , 2009, 49, 55-70.	1.0	26
448	The stirring rate provides a dramatic acceleration of the ultrafast interfacial SET-LRP in biphasic acetonitrile/water mixtures. <i>Polymer Chemistry</i> , 2017, 8, 3405-3424.	1.9	26
449	Replacing Cu(II)Br_2 with $\text{Me}_6\text{-TREN}$ in Biphasic Cu(0)/TREN Catalyzed SET-LRP Reveals the Mixed-Ligand Effect. <i>Biomacromolecules</i> , 2020, 21, 250-261.	2.6	26
450	Intramolecular charge transfer complexes. <i>Polymer Bulletin</i> , 1980, 3, 551-557.	1.7	25

#	ARTICLE	IF	CITATIONS
451	Interchain EDA complexes: A model for LCST?. Journal of Polymer Science Part A, 1986, 24, 579-587.	2.5	25
452	Synthesis and characterization of liquid crystalline poly(p-vinylbenzyl ether)s. Polymer Bulletin, 1987, 17, 347-352.	1.7	25
453	Synthesis of <i>p,p'</i> -bis(2,6-dimethylphenol)-poly(2,6-dimethyl-1,4-phenylene oxide) by phase transfer catalyzed polymerization of 4-bromo-2,6-dimethylphenol in the presence of 2,2-di(4-hydroxy-3,5-dimethylphenyl)propane. Polymer Bulletin, 1990, 24, 493-500.	1.7	25
454	Non-equilibrium excess order in the isotropic state of main-chain liquid-crystal-forming polymers. Polymer, 1990, 31, 2019-2022.	1.8	25
455	Termination by reductive elimination in the polyetherification of bis(aryl chlorides) activated by carbonyl groups, with bisphenolates. Macromolecules, 1991, 24, 5889-5892.	2.2	25
456	Conformational Behavior of the Spacer in a Liquid Crystalline Main-Chain Polymer in Its Nematic and Glassy States. Macromolecules, 1995, 28, 6937-6941.	2.2	25
457	A second columnar liquid crystalline phase formed by polymers with highly tapered side chains. Acta Polymerica, 1999, 50, 51-56.	1.4	25
458	Phase Identification in a Series of Liquid Crystalline TPP Polyethers and Copolyethers Having Highly Ordered Mesophase Structures. 7. Phase Structures in a Series of Copolyethers Containing Odd and Even Numbers of Methylene Units of Different Compositions. Macromolecules, 1999, 32, 6981-6988.	2.2	25
459	Grain boundaries and stacking faults in a Pm3n cubic mesophase. Liquid Crystals, 1999, 26, 1493-1499.	0.9	25
460	Elastic properties of hexagonal columnar mesophase self-organized from amphiphilic supramolecular columns. Applied Physics Letters, 2002, 80, 395-397.	1.5	25
461	Catalytic effect of dimethyl sulfoxide in the Cu(0)/tris(2-dimethylaminoethyl)amine-catalyzed living radical polymerization of methyl methacrylate at 0-90 °C initiated with CH ₃ CHCl ₂ as a model compound for <i>p,p'</i> -di(iodo)poly(vinyl chloride) chain ends. Journal of Polymer Science Part A, 2005, 43, 1935-1947.	2.5	25
462	Self-interrupted synthesis of sterically hindered aliphatic polyamide dendrimers. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2275-E2284.	3.3	25
463	An Accelerated Modular-Orthogonal Ni-Catalyzed Methodology to Symmetric and Nonsymmetric Constitutional Isomeric AB ₂ to AB ₉ Dendrons Exhibiting Unprecedented Self-Organizing Principles. Journal of the American Chemical Society, 2021, 143, 17724-17743.	6.6	25
464	Functional polymers and sequential copolymers by phase transfer catalysis. Polymer Bulletin, 1983, 10, 385-390.	1.7	24
465	Molecular engineering of liquid-crystalline polymers by living polymerization. Part 16. "Tailor-made Sc* mesophase in copolymers of (S)-(<i>rac</i>)-2-methylbutyl 4- <i>tert</i> -butyl-2-(<i>tert</i> -butoxy)phenyl-4-carboxylate with undecanyl and octyl alkyl groups. Journal of Materials Chemistry, 1991, 1, 1015-1022.	6.7	24
466	Cyclotrimerization versus cyclotetramerization in the electrophilic oligomerization of 3,4-bis(methoxy)benzyl derivatives. Macromolecules, 1991, 24, 3227-3234.	2.2	24
467	Phase behaviour in a thermotropic polyether involving rod-like mesogenic groups based on conformational isomerism. Polymer, 1991, 32, 1284-1292.	1.8	24
468	Synthesis of aromatic polyethers by Scholl reaction. IV. Homopolymerization and copolymerization of <i>p,p'</i> -bis[4-(1-naphthoxy)phenylsulfonyl]perfluoroalkanes. Journal of Polymer Science Part A, 1991, 29, 965-976.	2.5	24

#	ARTICLE	IF	CITATIONS
469	Cationic bulk polymerization of mesogenic vinyl ethers induced by thermal decomposition of sulfonium salts. <i>Polymer Bulletin</i> , 1991, 25, 649-656.	1.7	24
470	Molecular engineering of liquid crystal polymers by living polymerization. <i>Polymer Bulletin</i> , 1991, 26, 15-22.	1.7	24
471	Light scattering from a nematic monodomain in an electric field Twist elastic constant and viscosity coefficient of nematic polymer-solvent mixtures. <i>Liquid Crystals</i> , 1992, 12, 961-971.	0.9	24
472	Cell Membrane as a Model for the Design of Ion-Active Nanostructured Supramolecular Systems. <i>Biomacromolecules</i> , 2002, 3, 167-181.	2.6	24
473	Searching for efficient SET-LRP systems via biphasic mixtures of water with carbonates, ethers and dipolar aprotic solvents. <i>Polymer Chemistry</i> , 2017, 8, 5865-5874.	1.9	24
474	Intramolecular charge transfer complexes. <i>Polymer Bulletin</i> , 1981, 5, 247-253.	1.7	23
475	Functional polymers and sequential copolymers by phase-transfer catalysis. 15. Thermotropic copolyethers based on 4,4'-dihydroxybiphenyl, bisphenol a and 1,9-dibromononane. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1985, 23, 2913-2930.	0.8	23
476	Phase-transfer palladium(0)-catalyzed polymerization reactions. 6. Synthesis and thermotropic behavior of mono- and difluorinated 1,2-bis(4-n-alkoxyphenyl)acetylene monomers. <i>Chemistry of Materials</i> , 1991, 3, 107-115.	3.2	23
477	Liquid-crystalline polyethers based on conformational isomerism: 11. Isomorphism in liquid-crystal polyethers and copolyethers based on 1-(4-hydroxyphenyl)-2-(2-methyl-4-hydroxyphenyl)ethane and 1,9-dibromoalkanes. <i>Polymer</i> , 1991, 32, 661-672.	1.8	23
478	Synthesis of aromatic polyethers by Scholl reaction. VI. Aromatic polyethers by cation-radical polymerization of 4,4', 3,3', and 2,2'-bis(1-naphthoxy)biphenyls and of 1,3-bis(1-naphthoxy)benzene. <i>Macromolecules</i> , 1992, 25, 64-74.	2.2	23
479	Crystallization-induced band formation in nematic polyethers. <i>Polymer</i> , 1993, 34, 1800-1805.	1.8	23
480	Phase Identification in a Series of Liquid Crystalline TPP Polyethers and Copolyethers Having Highly Ordered Mesophase Structures. 6. Structure Changes from Smectic to Columnar Phases in a Series of Copolyethers Containing Odd and Even Numbers of Methylene Units in Equal Molar Composition. <i>Macromolecules</i> , 1999, 32, 3574-3582.	2.2	23
481	Introduction: Frontiers in Polymer Chemistry. <i>Chemical Reviews</i> , 2001, 101, 3579-3580.	23.0	23
482	Introduction to Frontiers in Polymer Synthesis. <i>Chemical Reviews</i> , 2009, 109, 4961-4962.	23.0	23
483	Screening Libraries of Semifluorinated Arylene Bisimides to Discover and Predict Thermodynamically Controlled Helical Crystallization. <i>ACS Combinatorial Science</i> , 2016, 18, 723-739.	3.8	23
484	Quantitative end-group functionalization of PNIPAM from aqueous SET-LRP via in situ reduction of Cu(scp) with NaBH_4 . <i>Polymer Chemistry</i> , 2016, 7, 4802-4809.	1.9	23
485	SET-LRP in the Neoteric Ethyl Lactate Alcohol. <i>Biomacromolecules</i> , 2017, 18, 3447-3456.	2.6	23
486	Synthesis and characterization of liquid crystalline copolymethacrylates, copolyacrylates, and copolysiloxanes containing 4-methoxy-4'-hydroxy-1'-methylstilbene and 4-hydroxy-4'-methoxy-1'-methylstilbene constitutional isomers as side-groups. <i>Journal of Polymer Science Part A</i> , 1988, 26, 2047-2076.	2.5	22

#	ARTICLE	IF	CITATIONS
487	Semifluorinated polymers: 1. Synthesis and characterization of side chain liquid crystalline polymers containing semifluorinated oligooxyethylene based flexible spacers. <i>Polymer</i> , 1991, 32, 1897-1908.	1.8	22
488	Liquid crystalline polyethers based on conformational isomerism. Part 28. Noncrystallizable macrocyclics exhibiting enantiotropic liquid-crystalline phases. <i>Chemistry of Materials</i> , 1993, 5, 826-834.	3.2	22
489	Reductive dehalogenation versus substitution in the polyetherification of 4,4'-dihalodiphenyl sulfones with bisphenolates. <i>Macromolecules</i> , 1993, 26, 3650-3662.	2.2	22
490	Stepwise Synthesis of Main-Chain Liquid-Crystalline Macrocyclics Based on Conformationally Flexible Mesogens. <i>Chemistry of Materials</i> , 1996, 8, 301-308.	3.2	22
491	Existence of highly ordered smectic structures in a series of main-chain liquid-crystalline polyethers. <i>Progress in Polymer Science</i> , 1997, 22, 765-794.	11.8	22
492	SET-LRP mediated by TREN in biphasic water-organic solvent mixtures provides the most economical and efficient process. <i>Polymer Chemistry</i> , 2017, 8, 7559-7574.	1.9	22
493	Photoinduced Upgrading of Lactic Acid-Based Solvents to Block Copolymer Surfactants. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1276-1284.	3.2	22
494	Intramolecular Charge Transfer Complexes. 3. Another Approach to the Charge Transfer Copolymerization Model. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1981, 15, 393-404.	0.4	21
495	Liquid-crystalline polyethers based on conformational isomerism. 15. Smectic and crystalline phases in copolyethers based on 1,2-bis(4-hydroxyphenyl)ethane and combinations of 1,10-dibromodecane with 1,12-dibromododecane and of 1,8-dibromooctane with 1,12-dibromododecane. <i>Macromolecules</i> , 1991, 24, 1168-1174.	2.2	21
496	Liquid-crystalline polyethers based on conformational isomerism. Part 33. Thermotropic polyethers based on a mesogenic group containing rigid and flexible units: 1-(4-hydroxybiphenyl-4-yl)-2-(4-hydroxyphenyl)propane. <i>Journal of Materials Chemistry</i> , 1994, 4, 719-727.	6.7	21
497	Self-Organization of Rectangular Bipyramidal Helical Columns by Supramolecular Orientational Memory Epitaxially Nucleated from a Frank-Kasper If Phase. <i>Giant</i> , 2021, , 100084.	2.5	21
498	Intramolecular charge transfer complexes. <i>Polymer Bulletin</i> , 1981, 5, 225-231.	1.7	20
499	Intramolecular Charge Transfer Complexes. 4. Poly(N-(2-hydroxyethyl)carbazoyl Acrylate-co-Picryl) Tj ETQq1 1 0.784314 rgBT / Overlo 0.4 20	0.4	20
500	Functional polymers and sequential copolymers by phase transfer catalysis. <i>Polymer Bulletin</i> , 1984, 12, 253-260.	1.7	20
501	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1986, 187, 111-123.	1.1	20
502	Synthesis and characterization of biphasic liquid crystalline polysiloxanes containing 4-undecanyloxy-4'-cyanobiphenyl side-groups. <i>Polymer Bulletin</i> , 1987, 18, 91.	1.7	20
503	Functional polymers and sequential copolymers by phase transfer catalysis. XXVI. Synthesis and characterization of thermotropic liquid crystalline polyiodants. <i>Journal of Polymer Science Part A</i> , 1987, 25, 2755-2779.	2.5	20
504	Transformation of a monotropic mesophase into an enantiotropic mesophase by copolymerization of the parent polymers' monomer pair containing constitutional isomeric mesogenic side groups. <i>Macromolecules</i> , 1989, 22, 1512-1514.	2.2	20

#	ARTICLE	IF	CITATIONS
505	Liquid-crystalline polyethers based on conformational isomerism: 12. Molecular engineering of phase transitions in copolyethers based on 1-(4-hydroxyphenyl)-2-(2-methyl-4-hydroxyphenyl)ethane and multiple combinations of flexible spacers. <i>Polymer</i> , 1991, 32, 673-681.	1.8	20
506	Synthesis of aromatic polyethers by Scholl reaction. II. On the polymerizability of 4,4'-bis(phenoxy)diphenyl sulfones and of 4,4'-bis(phenylthiol)diphenyl sulfone. <i>Journal of Polymer Science Part A</i> , 1991, 29, 949-964.	2.5	20
507	Molecular engineering of liquid-crystalline polymers by living polymerization. Part 18. Sc* Mesophase in copolymers of (2S, 3S)-(+)-2-chloro-3-methylpentyl 4'-((1-vinyl-2-oxo-1,3-dioxol-5-yl)oxy)biphenyl-4-carboxylate with undecanyl and octyl alkyl groups. <i>Journal of Materials Chemistry</i> , 1992, 2, 475-486.	6.7	20
508	Liquid crystalline poly(vinyl ether)s with bulk smectic C* phases at the air/water interface. <i>Macromolecules</i> , 1993, 26, 1650-1655.	2.2	20
509	Mesophases involving highly ordered smectic phases in a polyether. <i>Macromolecular Rapid Communications</i> , 1995, 16, 533-542.	2.0	20
510	Small angle x-ray analysis of the effect of temperature on the self-assembling columnar structures formed by a polymethacrylate with highly tapered side groups and by one of its low molar mass precursors. <i>Macromolecular Symposia</i> , 1997, 118, 663-675.	0.4	20
511	Synthesis and characterization of monomethacrylate-functionalized self-organizing crown ether compounds. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 265-277.	1.1	20
512	Self-organization of a liquid crystalline methacrylate-monofunctionalized crown-ether compound in low-shrinkage acrylate mixtures. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 2839-2852.	1.1	20
513	X-ray diffraction study of polyphilic smectic liquid crystals. <i>Journal of Materials Science</i> , 2000, 35, 5241-5246.	1.7	20
514	Ni(II)Cl(1-Naphthyl)(PCy ₃) ₂ , An Air-Stable η^5 -Ni(II) Precatalyst for Quantitative Cross-Coupling of Aryl C-O Electrophiles with Aryl Neopentylglycolboronates. <i>Synthesis</i> , 2016, 48, 2808-2815.	1.2	20
515	Me ₆ -TREN/TREN Mixed-Ligand Effect During SET-LRP in the Catalytically Active DMSO Revitalizes TREN into an Excellent Ligand. <i>Biomacromolecules</i> , 2020, 21, 1902-1919.	2.6	20
516	Intramolecular charge transfer complexes. <i>Polymer Bulletin</i> , 1981, 4, 247-253.	1.7	19
517	Functional polymers and sequential copolymers by phase transfer catalysis. <i>Polymer Bulletin</i> , 1984, 12, 261-268.	1.7	19
518	Synthesis and characterization of side-chain liquid crystalline polysiloxanes containing oligoethoxyethylene spacers and benzyl ether based mesogenic groups. <i>Journal of Polymer Science Part A</i> , 1990, 28, 425-435.	2.5	19
519	Synthesis and Ni(0)-catalyzed oligomerization of isomeric 4,4'-dichloroquaterphenyls. <i>Journal of Polymer Science Part A</i> , 1993, 31, 877-884.	2.5	19
520	Molecular Order in the Nematic Melt of a Semiflexible Polyether by Deuteron NMR. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 254, 455-468.	0.3	19
521	Synthesis of high molecular weight poly(ether ketone)s by polycondensation of activated bis(aryl) Tj ETQq1 1 0.784314 rgBT/Overlo	2.5	19
522	Viscoelastic properties of dilute nematic mixtures containing cyclic and hyperbranched liquid crystal polymers dissolved in a nematic solvent. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 1213-1223.	2.4	19

#	ARTICLE	IF	CITATIONS
523	Characterization of Fibrous Aggregated Morphologies and Other Complex Architectures Self-Assembled from Helical Alkyne and Triazole Polycarbodiimides (<i>R</i>- and (<i>S</i>)-Families in the Bulk and Thin Film. <i>Macromolecules</i> , 2015, 48, 4088-4103.	2.2	19
524	Designing functional aromatic multisulfonyl chloride initiators for complex organic synthesis by living radical polymerization. <i>Journal of Polymer Science Part A</i> , 2000, 38, 4776-4791.	2.5	19
525	Interchain EDA complexes of poly[N-(2-hydroxyethyl) carbazolyl methacrylate] with poly (i%-hydroxyalkyl-3,5-dinitrobenzoyl methacrylate)s. <i>Polymer Bulletin</i> , 1985, 14, 165-171.	1.7	18
526	Chiral Smectic Liquid Crystalline Polymers. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1988, 157, 125-150.	0.3	18
527	The influence of total monomers concentration and polymerization solvent on the reactivity of (p-vinylbenzyl ether) macromonomers of poly(2,6-dimethyl-1,4-phenylene oxide). <i>Journal of Polymer Science Part A</i> , 1990, 28, 1059-1071.	2.5	18
528	Phase transfer Pd(0) catalyzed polymerization reactions. III. Polymerization by cross-coupling of alkylboron compounds and aromatic halides catalyzed by PdCl ₂ (dppf) and bases. <i>Journal of Polymer Science Part A</i> , 1990, 28, 3029-3046.	2.5	18
529	Mechanisms of the aromatic polyetherification reactions. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992, 54-55, 275-312.	0.6	18
530	Molecular engineering of liquid crystalline polymers by living polymerization. <i>Polymer Bulletin</i> , 1992, 28, 9-15.	1.7	18
531	Nearly-second-order nematic-isotropic phase transition in a cyclic thermotropic liquid crystal. <i>Physical Review E</i> , 1993, 48, R1-R4.	0.8	18
532	From Regioirregular Linear Main-Chain Liquid-Crystal Polyethers Exhibiting Two Uniaxial Nematic Phases to Macrocyclic Main-Chain Oligoethers Displaying Nematic and Smectic Phases. <i>Chemistry of Materials</i> , 1996, 8, 1550-1557.	3.2	18
533	Liquid crystals 100 years later. What are the new concepts used in the design of molecular, macromolecular and supramolecular liquid crystals?. <i>Macromolecular Symposia</i> , 1997, 117, 267-273.	0.4	18
534	Unraveling topology-induced shape transformations in dendrimersomes. <i>Soft Matter</i> , 2021, 17, 254-267.	1.2	18
535	Comb-like polymers and graft copolymers from macromers. <i>Polymer Bulletin</i> , 1983, 10, 397-403.	1.7	17
536	Synthesis and characterization of liquid crystalline polysiloxanes containing benzyl ether mesogens. <i>Journal of Polymer Science Part A</i> , 1987, 25, 2909-2923.	2.5	17
537	Synthesis and mesomorphic behavior of poly(methylsiloxane)s and poly(methylsiloxane-co-dimethylsiloxane)s containing oligooxyethylene spacers and mesogenic side groups. <i>Polymer Bulletin</i> , 1990, 23, 463-470.	1.7	17
538	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1991, 192, 1873-1879.	1.1	17
539	The polymerization of alkyl substituted acetylenes using metal halide based initiators: The bulky substituent effect. <i>Polymer Bulletin</i> , 1992, 29, 335-342.	1.7	17
540	Phase Identification in a Series of Liquid Crystalline TPP Polyethers and Copolyethers Having Highly Ordered Mesophase Structure. 5. Solid State ¹³ C NMR Characterization of Motion and Conformations of Methylene and Mesogen Groups in Different Mesophases of TPP(n= 12 and 15). <i>Macromolecules</i> , 1997, 30, 4688-4694.	2.2	17

#	ARTICLE	IF	CITATIONS
541	Effect of molecular architecture on the electrorheological behavior of liquid crystal polymers in nematic solvents. <i>Rheologica Acta</i> , 1997, 36, 505-512.	1.1	17
542	Synthesis of high glass transition temperature copolymers based on poly(vinyl chloride) via single electron transferâ€”Degenerative chain transfer mediated living radical polymerization (SETâ€”TLRP) of vinyl chloride in water. <i>Journal of Polymer Science Part A</i> , 2009, 47, 7021-7031.	2.5	17
543	Synthesis of amphiphilic homopolymers with high chain end functionality by SETâ€”LRP. <i>Journal of Polymer Science Part A</i> , 2015, 53, 294-303.	2.5	17
544	SET-LRP of Bio- and Petroleum-Sourced Methacrylates in Aqueous Alcoholic Mixtures. <i>Biomacromolecules</i> , 2019, 20, 1816-1827.	2.6	17
545	Probing sulfatide-tissue lectin recognition with functionalized glycodendrimersomes. <i>iScience</i> , 2021, 24, 101919.	1.9	17
546	Co-assembly of liposomes, Dendrimersomes, and Polymersomes with amphiphilic Janus dendrimers conjugated to Mono- and Tris-Nitrilotriacetic Acid (NTA, TrisNTA) enhances protein recruitment. <i>Giant</i> , 2022, 9, 100089.	2.5	17
547	New carbazole-containing monomers and polymers. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1979, 17, 2287-2297.	0.8	16
548	Functional polymers and sequential copolymers by phase transfer catalysis. <i>Polymer Bulletin</i> , 1986, 16, 513-520.	1.7	16
549	Liquid Crystalline Polyethers. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1988, 155, 1-35.	0.3	16
550	Liquid crystalline polymers by cationic polymerization. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1988, 13-14, 397-415.	0.6	16
551	Liquid crystalline polyethers based on conformational isomerism. <i>Polymer Bulletin</i> , 1991, 25, 695-700.	1.7	16
552	Pd(0) and Ni(0) catalyzed polymerization reactions. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992, 54-55, 113-150.	0.6	16
553	Molecular engineering of liquid-crystalline polymers by living polymerization. Part 20.â€”Synthesis and characterization of binary copolymers of [11-(4â€”cyanobiphenyl-4-yloxy)undecanyloxy]ethylene with n-butyl vinyl ether, and of 2-[(4â€”cyanobiphenyl-4-yl)oxy]ethyl vinyl ether with (n-butoxy)ethylene. <i>Journal of Materials Chemistry</i> , 1992, 2, 617-623.	6.7	16
554	Phase transitions in narrow-molar-mass samples of side-chain liquid-crystalline polymers: molar-mass dependence. <i>Polymer</i> , 1992, 33, 4352-4357.	1.8	16
555	Morphologies and Energies of NÃ©el Inversion Wall Defects in a Liquid Crystal Polyether. <i>Macromolecules</i> , 2001, 34, 6658-6669.	2.2	16
556	Macromonomers, telechelics and more complex architectures of PMA by a combination of biphasic SET-LRP and biphasic esterification. <i>Polymer Chemistry</i> , 2018, 9, 1885-1899.	1.9	16
557	Dendrimersomes Exhibit Lamellar-to-Sponge Phase Transitions. <i>Langmuir</i> , 2018, 34, 5527-5534.	1.6	16
558	Acrylate-macromonomers and telechelics of PBA by merging biphasic SET-LRP of BA, chain extension with MA and biphasic esterification. <i>Polymer Chemistry</i> , 2018, 9, 1961-1971.	1.9	16

#	ARTICLE	IF	CITATIONS
559	SET-LRP in biphasic mixtures of fluorinated alcohols with water. <i>Polymer Chemistry</i> , 2018, 9, 2313-2327.	1.9	16
560	Synthesis and polymerization of aromatic groups containing propiolic esters. <i>Journal of Polymer Science, Polymer Letters Edition</i> , 1979, 17, 287-292.	0.4	15
561	Functional polymers and sequential copolymers by phase transfer catalysis. <i>Polymer Bulletin</i> , 1983, 10, 391-396.	1.7	15
562	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1990, 191, 25-48.	1.1	15
563	Molecular engineering of liquid-crystalline polymers by living polymerization. Part 24.a€“Synthesis of poly(vinyl ether)s exhibiting an SC* phase by living cationic polymerization of (2S,3S)-(+)-2-chloro-3-methylpentyl 4-((6-vinyloxyhexyloxy)biphenyl-4-carboxylate and its copolymerization with (2S,3S)-(+)-2-chloro-3-methylpentyl 4-((8-vinyloxyoctyloxy)biphenyl-4-ylcarboxylate. <i>Journal of Materials Chemistry</i> , 1992, 2, 1041-1047.	6.7	15
564	Macrocycles with clearing temperatures higher than their linear high-molecular-weight homologues. <i>Journal of Materials Chemistry</i> , 1993, 3, 725.	6.7	15
565	Chiral recognition in molecular and macromolecular pairs of liquid crystals of (2R,3S)- and (2S,3S)-2-fluoro-3-methylpentyl 4'-[[11-(vinyloxy)undecanyl]oxy]biphenyl-4-carboxylate diastereomers. <i>Macromolecules</i> , 1994, 27, 12-25.	2.2	15
566	Phase Identification in a Series of Liquid-Crystalline TPP Polyethers and Copolyethers Having Highly Ordered Mesophase Structures. 4. Phase Structures and Order Evolution in TPP(n = 12) Thin Films. <i>Macromolecules</i> , 1997, 30, 3349-3353.	2.2	15
567	¹ H NMR Spectroscopic Investigation of the Mechanism of 2-Substituted-2-Oxazoline Ring Formation and of the Hydrolysis of the Corresponding Oxazolinium Salts. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 2257-2263.	1.2	15
568	Phase Identification in a Series of Liquid Crystalline TPP Polyethers and Copolyethers Having Highly Ordered Mesophase Structures. 8. Phase and Structural Evolution in a Series of Copolyethers Containing Odd-Numbered Methylene Units in Both Comonomers. <i>Macromolecules</i> , 2000, 33, 5159-5168.	2.2	15
569	From Synthetic Macromolecules to Biological-Like Complex Systems. <i>Advances in Polymer Science</i> , 2013, , 173-197.	0.4	15
570	Losing supramolecular orientational memory via self-organization of a misfolded secondary structure. <i>Polymer Chemistry</i> , 2018, 9, 2370-2381.	1.9	15
571	SET-LRP from Programmed Difunctional Initiators Encoded with Double Single-Cleavage and Double Dual-Cleavage Groups. <i>Biomacromolecules</i> , 2019, 20, 3200-3210.	2.6	15
572	The legacy of Rosalind E. Franklin: Landmark contributions to two Nobel Prizes. <i>CheM</i> , 2021, 7, 529-536.	5.8	15
573	Intramolecular charge transfer complexes. <i>Polymer Bulletin</i> , 1980, 2, 57-61.	1.7	14
574	Functional Polymers and Sequential Copolymers by Phase Transfer Catalysis VII. Synthesis and Characterization of Alternating Block Copolymers of Aromatic Poly(ether sulfone)s with Aliphatic Polysulfides and Aliphatic Polysulfones. <i>Polymer Journal</i> , 1984, 16, 681-691.	1.3	14
575	Interchain electron donor-acceptor complexes. Determination of equilibrium constant and thermodynamic parameters in the solid state. <i>Journal of Polymer Science Part A</i> , 1988, 26, 935-951.	2.5	14
576	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1990, 191, 49-69.	1.1	14

#	ARTICLE	IF	CITATIONS
577	Rheology and flow-induced liquid crystal phase transitions in thermotropic polyethers. <i>Journal of Materials Science</i> , 1994, 29, 3477-3483.	1.7	14
578	Heterochiral Interactions in Molecular and Macromolecular Pairs of Liquid Crystals of (R)- and (S)-2-Fluoro-4-methylpentyl 4'-((8-(Vinylloxy)octyl)oxy)biphenyl-4-carboxylate Enantiomers. <i>Macromolecules</i> , 1994, 27, 5821-5832.	2.2	14
579	Phase Identification in a Series of Liquid Crystalline TPP Polyethers and Copolyethers Having Highly Ordered Mesophase Structure. 3. Thin Film Surface-Induced Ordering Structure and Morphology in TPP(n= 7). <i>Macromolecules</i> , 1996, 29, 4528-4535.	2.2	14
580	Design of new macromolecular architectures by using quasi-equivalent monodendrons as building blocks. <i>Macromolecular Symposia</i> , 1997, 118, 33-43.	0.4	14
581	Apparent tricritical behavior at a nearly second-order nematic-isotropic phase transition of a cyclic liquid crystalline trimer. <i>Physical Review E</i> , 2003, 67, 011704.	0.8	14
582	Supramolecular chemistry at the liquid/solid interface probed by scanning tunnelling microscopy. <i>International Journal of Nanotechnology</i> , 2006, 3, 462.	0.1	14
583	Self-assembling supramolecular systems of different symmetry formed by wedged macromolecular dendrons. <i>Crystallography Reports</i> , 2012, 57, 151-168.	0.1	14
584	Ultrafast SET-LRP with Peptoid Cytostatic Drugs as Monofunctional and Bifunctional Initiators. <i>Biomacromolecules</i> , 2017, 18, 2610-2622.	2.6	14
585	Functional polymers and sequential copolymers by phase-transfer catalysis. 16. Influence of sequence distribution on the mesomorphic properties of thermotropic copolyethers containing 4,4'-dihydroxybiphenyl. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1986, 24, 15-27.	0.8	14
586	Liquid crystalline polyethers based on conformational isomerism. <i>Polymer Bulletin</i> , 1989, 22, 489-496.	1.7	13
587	Suppression of side chain crystallization and transformation of monotropic mesophases into enantiotropic mesophases by copolymerization of the parent polymers' monomer pairs containing constitutional isomeric mesogenic side groups. <i>Polymer</i> , 1989, 30, 2124-2129.	1.8	13
588	Phase transfer catalyzed depolymerization of poly(2,6-dimethyl-1,4-phenylene oxide) in the presence of either 2,4,6-trimethylphenol or 4-tert-butyl-2,6-dimethylphenol. <i>Polymer Bulletin</i> , 1990, 24, 71-78.	1.7	13
589	Synthesis of aromatic polyethers by Scholl reaction. V. Synthesis and polymerization of 1,3-bis[4-(1-naphthoxy) benzoyl]benzene, 1,4-bis[4-(1-naphthoxy)benzoyl]benzene, bis[4-(1-naphthoxy)phenyl]methane, 1,3-bis[4-(1-naphthoxy) phenylmethyl]benzene, and 1,4-bis-[4-(1-naphthoxy)phenylmethyl]benzene. <i>Journal of Polymer Science Part A</i> , 1991, 29, 1789-1800.	2.5	13
590	Molecular engineering of a hexagonal columnar (.PHI.h) mesophase exhibited by flexible copolyethers based on 1-(4-hydroxyphenyl)-2-(2-R-4-hydroxyphenyl)ethane with R = H, F, and flexible spacers. <i>Macromolecules</i> , 1992, 25, 1193-1197.	2.2	13
591	Molecular engineering of liquid crystalline polymers by living polymerization. XVII. Characterization <i>Polymer Science Part A</i> , 1992, 30, 1213-1217.	2.5	13
592	Self-Assembly of Viruses as Models for the Design of new Macromolecular and supramolecular architectures. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1996, 33, 1479-1496.	1.2	13
593	Living or controlled?. <i>Journal of Polymer Science Part A</i> , 2000, 38, 1705-1705.	2.5	13
594	Self-organisation of rhombitruncated cuboctahedral hexagonal columns from an amphiphilic Janus dendrimer. <i>Molecular Physics</i> , 2021, 119, .	0.8	13

#	ARTICLE	IF	CITATIONS
595	Intramolecular charge transfer complexes. Polymer Bulletin, 1980, 3, 529-533.	1.7	12
596	Intramolecular charge transfer complexes. Polymer Bulletin, 1980, 3, 543-549.	1.7	12
597	New telechelic polymers and sequential copolymers by polyfunctional initiator-transfer agents (inifers). Polymer Bulletin, 1983, 9, 27.	1.7	12
598	Thermotropic polyketones: A new class of main-chain liquid crystalline polymers. Polymer Bulletin, 1985, 14, 367-374.	1.7	12
599	Functional polymers and sequential copolymers by phase-transfer catalysis. 16. Influence of sequence distribution on the mesomorphic properties of thermotropic copolyethers containing 4,4'-dihydroxybiphenyl. Journal of Polymer Science Part A, 1986, 24, 15-27.	2.5	12
600	The influence of molecular weight of the donor polymer on the solid-state behavior of interchain EDA complexes. Journal of Polymer Science Part A, 1986, 24, 747-758.	2.5	12
601	The polymerization of 3-chloro-1-propyne and 3-bromo-1-propyne with MoCl ₅ and WCl ₆ based initiators and the structure of the resulting polymers. Journal of Polymer Science Part A, 1990, 28, 1043-1057.	2.5	12
602	A radical-anion mechanism for the phase transfer catalyzed depolymerization of poly(2,6-dimethyl-1,4-phenylene oxide). Polymer Bulletin, 1990, 24, 63-69.	1.7	12
603	Liquid-crystalline polyethers based on conformational isomerism. Part 22 "Hexagonal columnar mesophase in polyethers and copolyethers based on 1,4-bis[2-(4-hydroxyphenyl)ethyl]benzene, 1,2-bis(4-hydroxyphenyl)ethane and 1,9-dibromononane. Journal of Materials Chemistry, 1992, 2, 407-414.	6.7	12
604	Soluble polyarylenes containing alternating binaphthylene and biphenylene structural units. Journal of Polymer Science Part A, 1992, 30, 1037-1049.	2.5	12
605	Polar polymeric Langmuir-Blodgett films containing nitrobiphenyl groups. Macromolecules, 1993, 26, 7263-7273.	2.2	12
606	Influence of molecular structure on the nematic-nematic transition in polyethers based on 1-(4-hydroxyphenyl)-2-(2-R-4-hydroxyphenyl)ethane where R=CH ₃ and Cl, and flexible spacers with an odd number of methylene units. Polymer Bulletin, 1994, 32, 325-330.	1.7	12
607	Polymer Effect on Heterochiral Molecular Recognition in Molecular and Macromolecular Pairs of Liquid Crystals of (R)- and (S)-2-Chloro-4-methylpentyl 4'-[[8-(Vinyloxy)octyl]oxy]biphenyl-4-carboxylate Enantiomers. Macromolecules, 1994, 27, 4454-4470.	2.2	12
608	From liquid crystal polymers containing crown ethers to tapered building blocks containing crown ethers which self-assemble into tubular supermolecules. Macromolecular Symposia, 1995, 96, 173-184.	0.4	12
609	Synthesis of polyarylene homopolymers and copolymers via nickel(0)-catalyzed homocoupling of arylenbismesylates derived from bisphenols. Polymer Bulletin, 1997, 38, 515-522.	1.7	12
610	Conformationally flexible dendronized cyclotetrameratrylenes (CTTV)s self-organize a large diversity of chiral columnar, Frank-Kasper and quasicrystal phases. Giant, 2022, 10, 100096.	2.5	12
611	Intramolecular charge transfer complexes. Polymer Bulletin, 1981, 5, 239-245.	1.7	11
612	Functional polymers and sequential copolymers by phase transfer catalysis. XXII. Vinylidene fluoride-trifluoroethylene copolymers by surface modification of polyvinylidene fluoride. Journal of Polymer Science Part A, 1987, 25, 783-804.	2.5	11

#	ARTICLE	IF	CITATIONS
613	Synthesis and characterization of ABA triblock copolymers containing poly(2,6-dimethyl-1,4-phenylene) Tj ETQq1 1 0.784314 rgBT / Ome Part A, 1987, 25, 2043-2062.	2.5	11
614	Liquid crystalline polyethers based on conformational isomerism. Polymer Bulletin, 1989, 22, 497-504.	1.7	11
615	Interrelationships of Nanometer and Subnanometer Structures in a Polynorbornene Containing Second Generation Liquid-Crystalline Monodendrons as Side Groups. Macromolecules, 2002, 35, 9426-9433.	2.2	11
616	SET-LRP in Biphasic Mixtures of the Nondisproportionating Solvent Hexafluoroisopropanol with Water. Biomacromolecules, 2018, 19, 4480-4491.	2.6	11
617	Perfecting self-organization of covalent and supramolecular mega macromolecules via sequence-defined and monodisperse components. Polymer, 2020, 211, 123252.	1.8	11
618	The Legacy of Hermann Staudinger: Covalently Linked Macromolecules. Chem, 2020, 6, 2855-2861.	5.8	11
619	Thermotropic Polyethers and Copolyethers: A New Class of Main Chain Liquid Crystalline Polymers. , 1985, , 133-157.		11
620	Cationic grafting from plasma-modified polymer surfaces. Polymer Bulletin, 1980, 2, 499.	1.7	10
621	Intramolecular charge transfer complexes. Polymer Bulletin, 1981, 4, 255-259.	1.7	10
622	Liquid crystalline copolymers of monomer-pairs containing mesogenic units which exhibit constitutional isomerism. Polymer Bulletin, 1987, 17, 353-359.	1.7	10
623	The influence of total monomer concentration on the reactivity of α -(p-vinylbenzyl ether) macromonomers of poly(2,6-dimethyl-1,4-phenylene oxide) determined from radical copolymerization experiments with butyl methacrylate. Polymer Bulletin, 1990, 23, 19-26.	1.7	10
624	Liquid crystalline polyethers based on conformational isomerism. Polymer Bulletin, 1990, 23, 225-232.	1.7	10
625	Tailor made liquid crystalline networks exhibiting a chiral smectic C (S C *) mesophase via living cationic copolymerization. Polymer Bulletin, 1992, 29, 501-508.	1.7	10
626	Synthesis of aromatic polyethers by Scholl reaction. VII. Oxidative polymerization of 2,2-bis[4-(1-naphthoxy)phenyl]propane and 2,2-bis [4-(1-naphthyl)phenyl]propane. Journal of Polymer Science Part A, 1992, 30, 429-438.	2.5	10
627	Noncentrosymmetric Langmuir-Blodgett Films Containing Nitrobiphenyl Groups. Langmuir, 1994, 10, 905-911.	1.6	10
628	Molecular engineering of liquid crystalline polymers by α -living polymerization. XXXII. Synthesis and α -living cationic polymerization of 3-fluoro-4-(2-(1-vinylalkoxy)-4-biphenyl (2r,3s)-2-fluoro-3-methylpentanoate with undecanyl and octyl alkyl groups. Journal of Polymer Science Part A, 1995, 33, 2359-2374.	2.5	10
629	Electro-rheological behavior of liquid crystal polymers (LCPs) dissolved in a nematic solvent: dependence on temperature and LCP structure. Polymer, 2000, 41, 4127-4135.	1.8	10
630	Programming Self-Assembly and Stimuli-Triggered Response of Hydrophilic Telechelic Polymers with Sequence-Encoded Hydrophobic Initiators. Macromolecules, 2020, 53, 7285-7297.	2.2	10

#	ARTICLE	IF	CITATIONS
631	Molecular parameters including fluorination program order during hierarchical helical self-organization of self-assembling dendrons. <i>Giant</i> , 2022, 11, 100103.	2.5	10
632	New telechelic polymers and sequential copolymers by polyfunctional initiator-transfer agents (inifers). <i>Polymer Bulletin</i> , 1983, 10, 31-38.	1.7	9
633	Liquid crystalline polyethers based on conformational isomerism. XIX. Synthesis and characterization of flexible polyethers based on 1-(4-hydroxyphenyl)-2-(2-r-4-hydroxyphenyl) ethane with H, F, CH ₃ , Br, Cl, and CF ₃ as R groups. <i>Journal of Polymer Science Part A</i> , 1992, 30, 997-1016.	2.5	9
634	Synthesis of soluble polyarylenes containing alternating 4,4'-(1,1'-binaphthyl) and 4,4'-(3,3'-diphenyl)biphenyl structural units. <i>Polymer Bulletin</i> , 1992, 29, 271-276.	1.7	9
635	At the Borderline between Glassy, Crystalline and Liquid Crystalline Macrocyclics ^{1a} . <i>Molecular Crystals and Liquid Crystals</i> , 1994, 238, 21-37.	0.3	9
636	Molecular engineering of liquid-crystalline polymers by "living" polymerization. Part 30. "Synthesis and "living" cationic polymerization of (2R, 3S)-2-fluoro-3-methylpentyl 4-(8-vinyloxyoctyloxy)biphenyl-4-carboxylate and its copolymerization with (2R, 3S)-2-(3,5-dinitrophenyl)-2-oxazoline. <i>Journal of Polymer Science Part A: Polymer Chemistry</i> , 1995, 5, 1115-1123.	1.7	9
637	Step-Polymerization Reactions via Nickel- and Palladium-Catalyzed Carbon-Carbon Bond Formation. <i>ACS Symposium Series</i> , 1996, , 2-56.	0.5	9
638	TPB ² : a constitutional isomeric mesogen based on conformational isomerism which generates pairs of completely isomorphic polyethers. <i>Polymer</i> , 1996, 37, 3889-3897.	1.8	9
639	Grazing-incidence x-ray diffraction study of Langmuir films of amphiphilic monodendrons. <i>Physical Review E</i> , 2003, 67, 021601.	0.8	9
640	Enhancing conformational flexibility of dendronized triphenylene via diethylene glycol linkers lowers transitions of helical columnar, Frank-Kasper, and quasicrystal phases. <i>Giant</i> , 2022, 10, 100098.	2.5	9
641	On the polymerization of acetylenic derivatives ^{XXXVII} . <i>European Polymer Journal</i> , 1981, 17, 689-693.	2.6	8
642	Synthesis and polymerization of 2-(N-carbazolyethyl)-2-oxazoline and 2-(3,5-dinitrophenyl)-2-oxazoline. <i>Polymer Bulletin</i> , 1981, 5, 651.	1.7	8
643	Phenylacetylene-Methyl Methacrylate Radical Copolymers. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1981, 15, 643-657.	0.4	8
644	New Developments in Polymer Synthesis by Phase-Transfer Catalysis. <i>ACS Symposium Series</i> , 1987, , 96-115.	0.5	8
645	Synthesis of aromatic polyethers by Scholl reaction. <i>Polymer Bulletin</i> , 1992, 27, 503-510.	1.7	8
646	Phase Behaviors and Molecular and Supramolecular Structural Identifications of a Liquid Crystalline Second Generation Monodendron. <i>Chemistry of Materials</i> , 2002, 14, 2384-2392.	3.2	8
647	pH-Responsive Micellar Nanoassemblies from Water-Soluble Telechelic Homopolymers Endcoding Acid-Labile Middle-Chain Groups in Their Hydrophobic Sequence-Defined Initiator Residue. <i>ACS Macro Letters</i> , 2019, 8, 1200-1208.	2.3	8
648	Recherches sur la polymerisation des derives acetyleniques. <i>Journal of Thermal Analysis</i> , 1974, 6, 389-399.	0.7	7

#	ARTICLE	IF	CITATIONS
649	Intramolecular charge transfer complexes 5. Polymer Bulletin, 1980, 2, 435.	1.7	7
650	Intramolecular charge transfer complexes. Polymer Bulletin, 1981, 4, 623.	1.7	7
651	Intramolecular charge transfer complexes. Polymer Bulletin, 1981, 5, 217-223.	1.7	7
652	Phenylacetylene-Methyl Acrylate Radical Copolymers. Journal of Macromolecular Science Part A, Chemistry, 1981, 15, 659-669.	0.4	7
653	Intramolecular charge transfer complexes. 16. Copolymers of N,N-dimethyl-p-aminobenzyl methacrylate with acryloyl- and methacryloyl- β -hydroxyethyl-3,5-dinitrobenzoate. Journal of Polymer Science: Polymer Chemistry Edition, 1982, 20, 63-71.	0.8	7
654	Liquid crystalline polyethers based on conformational isomerism. Polymer Bulletin, 1990, 24, 9-16.	1.7	7
655	Synthesis and Characterization of Polymethacrylates, Polyacrylates, and Poly(Methylsiloxane)S Containing 4-[<i>S</i>]-(-)-2-Methyl-1-Butoxy]-4- α -(β -Alkanyl-1-OXY)- β -Methylstilbene Side Groups. Journal of Macromolecular Science - Pure and Applied Chemistry, 1992, 29, 99-121. Molecular engineering of liquid crystal polymers by living polymerization. XXII. Synthesis and	1.2	7
656	(2 <i>S</i> , 3 <i>S</i>)-(+)-2-chloro-3-methylpentyl 4- α -(8-vinyloxyoctyloxy)biphenyl-4-carboxylate, and of (2 <i>S</i> , 3 <i>S</i>)-(+)-2-chloro-3-methylpentyl 4- α -(8-vinyloxyoctyloxy)biphenyl-4-carboxylate with	0.9	7
657	The synthesis and reactivity of β -(<i>P</i> -vinylbenzyl ether) macromonomer of poly(2,6-dimethyl-1,4-phenylene ether). Makromolekulare Chemie Macromolecular Symposia, 1992, 54-55, 561-581.	0.6	7
658	Liquid crystalline networks via living cationic polymerization of 11-[(4-cyano-4'-biphenyl)oxy]undecanyl vinyl ether with 11-vinyloxyundecanyloxy methacrylate. Polymer Bulletin, 1992, 29, 485-492.	1.7	7
659	Thermally reactive liquid crystalline copolymers based on 11-[(4-cyano-4'-biphenyl)oxy]undecanyl vinyl ether and 2-vinyloxyethyloxy methacrylate. Polymer Bulletin, 1992, 29, 493-500.	1.7	7
660	Nucleophilic substitution reactions of 1,4-dichlorobenzene chromium tricarbonyl with mono- and diphenoxides. Journal of Polymer Science Part A, 1993, 31, 923-932.	2.5	7
661	Smectic A organisation in copolymers of <i>i</i> -butyl vinyl ether and 11-[(4'-cyano-4-biphenyl)oxy]undecanyl vinyl ether as assessed by X-ray scattering. Polymer Bulletin, 1995, 35, 629-634.	1.7	7
662	Molecular engineering of liquid-crystalline polymers by β -living β polymerization. Part 31. β -Synthesis and β -living β cationic polymerization of (2 <i>R</i> , 3 <i>S</i>)-2-fluoro-3-methylpentyl 3-fluoro-4- α -(β -vinyloxyalkoxy)biphenyl-4-carboxylate with undecanyl and octyl alkyl groups. Journal of Materials Chemistry, 1995, 5, 1125-1136.	6.7	7
663	Highly anisotropic elasticity of a dendrimeric liquid crystal. European Physical Journal B, 1998, 5, 251-255.	0.6	7
664	Chiral recognition in molecular and macromolecular pairs of (S)- and (R)-1-cyano-2-methylpropyl-4'-{[4-(8-vinyloxyoctyloxy)benzoyl]oxy}biphenyl-4- carboxylate enantiomers. Journal of Polymer Science Part A, 2000, 38, 3631-3655.	2.5	7
665	Acetone: a solvent or a reagent depending on the addition order in SET-LRP. Polymer Chemistry, 2018, 9, 5411-5417.	1.9	7
666	Intramolecular charge transfer complexes 6. Polymer Bulletin, 1980, 2, 441.	1.7	6

#	ARTICLE	IF	CITATIONS
667	Functional polymers and sequential copolymers by phase transfer catalysis. XXVIII. Synthesis and characterization of alternating block copolymers and polyformals of polyisobutylene and aromatic polyether sulfone. <i>Journal of Polymer Science Part A</i> , 1988, 26, 721-741.	2.5	6
668	A ¹³ C nuclear magnetic resonance study of the effect of temperature on the side-chain polysiloxane liquid crystal containing trans-2-[p-(1-undecanyl-11-oxy)phenyl]-5-[(p-2(S)-methyl-1-butoxy)phenyl]-1,3-dioxane. <i>Polymer</i> , 1990, 31, 721-727.	1.8	6
669	Synthesis and Characterization of Poly(methylsiloxane)S Containing 4-[S(-)-2-Methyl-1 -Butoxy-1-4- ² -[p-(1-alkyl-1-yloxy)benzoyloxy]-1±-methylstilbene Side Groups. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1991, 28, 687-713.	0.4	6
670	Synthesis of aromatic polyethers by cationic radical polymerization. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992, 54-55, 337-356.	0.6	6
671	Synthesis of aromatic polyethers by scholl reaction. VIII. On the polymerizability of 1,5-bis(phenoxy)pentanes and 1,5-bis(phenylthio)pentane. <i>Journal of Polymer Science Part A</i> , 1992, 30, 439-448.	2.5	6
672	Synthesis and Ni(0)-catalyzed polymerization of 2,5-bis(4-chloro-1-naphthyl)biphenyl. <i>Journal of Polymer Science Part A</i> , 1993, 31, 1087-1091.	2.5	6
673	Crystallization behavior of polyethers containing odd numbers of methylene spacers from the isotropic and liquid crystalline states. <i>Polymers for Advanced Technologies</i> , 1994, 5, 775-784.	1.6	6
674	Heterochiral Molecular Recognition in Molecular and Macromolecular Pairs of Liquid Crystals of 4- ² -(11-Vinyloxyundecanyloxy)Biphenyl (2 <i>R</i> ,3 <i>S</i>)- and (2 <i>S</i> ,3 <i>S</i>)-2-Fluoro-3-methylpentanoate Diastereomers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1995, 32, 1531-1561.	1.2	6
675	From organic chemistry to chemical biology via macromolecules with Hermann Staudinger. <i>Giant</i> , 2020, 4, 100036.	2.5	6
676	Phase transfer catalyzed polymerization of 4-hydroxy-3,5-dimethylbenzyl alcohol and copolymerization of 4-bromo-2,6-dimethylphenol with 4-hydroxy-3,5-dimethylbenzyl alcohol. <i>Polymer Bulletin</i> , 1991, 25, 25-32.	1.7	6
677	A critical reevaluation of reactivity ratio data in radical copolymerization of acetylene monomers. <i>Polymer Bulletin</i> , 1980, 2, 63-69.	1.7	5
678	Intramolecular charge transfer complexes. VIII. Poly[N-(2-hydroxyethyl) carbazolyl acrylate-co-2,4-dinitrophenyl methacrylate]. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 1982, 20, 655-661.	0.8	5
679	Thermally reactive oligomers of aromatic poly(ether sulphone) containing poly(dimethylsiloxane): 2. Mechanical properties in the poly(ether sulphone) glass transition range. <i>Polymer</i> , 1987, 28, 132-138.	1.8	5
680	Monitoring the WCl ₆ /(CH ₃) ₄ Sn initiated polymerization of substituted acetylenes by ¹ H-NMR spectroscopy. <i>Polymer Bulletin</i> , 1991, 25, 483-490.	1.7	5
681	Molecular Engineering of Liquid Crystal Polymers by Living Polymerization. XIX. Synthesis and Characterization of Poly[2-(4-Biphenyloxy)ethyl Vinyl Ether]. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1992, 29, 655-668.	1.2	5
682	Cationic bulk polymerization of vinyl ethers in the liquid crystalline phase. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1992, 54-55, 83-94.	0.6	5
683	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1993, 194, 3135-3148.	1.1	5
684	Nematic, smectic and columnar phases of main-chain liquid crystal polyethers. <i>Macromolecular Symposia</i> , 1995, 98, 951-966.	0.4	5

#	ARTICLE	IF	CITATIONS
685	Synthesis of novel sulfonyl-containing liquid-crystalline side-chain poly(vinyl ethers). <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 1821-1837.	1.1	5
686	Catalyst hunt accelerates. <i>Nature</i> , 2003, 424, 135-136.	13.7	5
687	Dual Biochemically Breakable Drug Carriers from Programmed Telechelic Homopolymers. <i>Biomacromolecules</i> , 2020, 21, 4313-4325.	2.6	5
688	From examining the relationship between (corona)viral adhesins and galectins to glyco-perspectives. <i>Biophysical Journal</i> , 2021, 120, 1031-1039.	0.2	5
689	Configuration of methyl methacrylate-2-naphthyl methacrylate copolymers. <i>Colloid and Polymer Science</i> , 1981, 259, 697-700.	1.0	4
690	Synthesis of ABA triblock copolymers containing electrono-donor or electrono-acceptor pendant groups in A blocks. <i>Polymer Bulletin</i> , 1981, 5, 643.	1.7	4
691	Copolymerization. <i>Polymer Bulletin</i> , 1986, 16, 137-142.	1.7	4
692	Synthesis of aromatic polyethers by the Scholl reaction. Part 9. "Cation" radical polymerization of 4,4'-bis(2-naphthoxy)diphenyl sulphone. <i>Journal of Materials Chemistry</i> , 1991, 1, 1051-1056.	6.7	4
693	Effects of monomer structure and copolymer composition on the glass transition temperature of binary liquid crystalline copoly(vinyl ether)s. <i>Polymer</i> , 1993, 34, 2180-2184.	1.8	4
694	Synthesis and mesomorphic behavior of poly[(2S, 3S)-(+)-2-chloro-3-methylpentyl 4'-(?-vinylalkoxy)biphenyl-4-carboxylate]s with ethyl and propyl alkyl groups. <i>Polymer Bulletin</i> , 1994, 32, 249-256.	1.7	4
695	Heterochiral Recognition in Molecular and Macromolecular Pairs of Liquid Crystals Based on (R)- and of Materials, 1999, 11, 1890-1906.	3.2	4
696	Molecular and Supramolecular Deformations and Disclinations in a Liquid Crystalline Copolyether Thin Films under an Electrostatic Field. <i>Macromolecular Rapid Communications</i> , 2001, 22, 396-400.	2.0	4
697	Introduction to Frontiers in Macromolecular and Supramolecular Science: Part 1. <i>Chemical Reviews</i> , 2016, 116, 769-770.	23.0	4
698	Reaction of a Programmable Glycan Presentation of Glycodendrimersomes and Cells with Engineered Human Lectins To Show the Sugar Functionality of the Cell Surface. <i>Angewandte Chemie</i> , 2017, 129, 14869-14873.	1.6	4
699	New telechelic polymers and sequential copolymers by polyfunctional initiator-transfer agents (INIFERS). <i>Polymer Bulletin</i> , 1982, 8, 319.	1.7	3
700	Recent Developments in Cationic Polymerization. <i>ACS Symposium Series</i> , 1985, , 95-130.	0.5	3
701	Synthese und mechanische eigenschaften von aromatischen polyethersulfon-polydimethylsiloxan-netzwerken. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1986, 7, 303-306.	1.1	3
702	Synthesis and mesomorphic behavior of poly {1-(4-methoxy-4'-biphenyl)-2-[4-(11-methacryloylundecanyl-1-oxyphenyl)] ethane} and poly {1-[4-(11-methacryloylundecanyl-1-oxy)-4'-biphenyl]-2-(4-methoxyphenyl) ethane} constitutional isomers. <i>Journal of Polymer Science Part A</i> , 1991, 29, 919-922.	2.5	3

#	ARTICLE	IF	CITATIONS
703	Structural rearrangements during mesomorphic phase transitions in poly{10-[(cyano-4- β -biphenyl)oxy]decanyl vinyl ether}. Polymer, 1993, 34, 481-486.	1.8	3
704	Identification of Highly Ordered Smectic Phases in a Series of Main-Chain Liquid-Crystalline Polyethers. ACS Symposium Series, 1996, , 358-371.	0.5	3
705	Thermodynamic transition properties of highly ordered smectic phases. Journal of Thermal Analysis, 1996, 47, 957-973.	0.7	3
706	Introduction to Frontiers in Macromolecular and Supramolecular Science: Part 2. Chemical Reviews, 2016, 116, 1671-1672.	23.0	3
707	Frontiers of Macromolecular and Supramolecular Science symposia. Polymer Chemistry, 2018, 9, 2355-2358.	1.9	3
708	Highly reactive $\hat{1}\pm$ -bromoacrylate monomers and Michael acceptors obtained by Cu(ii)Br ₂ -dibromination of acrylates and instantaneous E2 by a ligand. Polymer Chemistry, 2018, 9, 2082-2086.	1.9	3
709	Precise and Accelerated Polymer Synthesis via Mixed-Ligand and Mixed-RAFT Agents. Chem, 2020, 6, 1203-1204.	5.8	3
710	Optical studies of supramolecular tubular structures generated by taper-shaped side groups in the columnar hexagonal phase. Journal De Physique II, 1994, 4, 1813-1822.	0.9	3
711	New 3,6-dihalogen carbazole-containing monomers and polymers. Polymer Bulletin, 1980, 2, 427.	1.7	2
712	New fluorene containing monomers and polymers. Polymer Bulletin, 1980, 2, 51-56.	1.7	2
713	Synthesis of aromatic polyethers containing 2,6(7)-dihydroxy [1,3,5(6),7(8)-tetramethylantracene] units. Journal of Polymer Science Part A, 1987, 25, 2577-2583.	2.5	2
714	Free Radical Copolymerization of $\hat{1}\pm$ -Vinylbenzyl Ether) Macromonomer of Poly(2,6-Dimethyl-1,4-) Tj ETQq0 0 0 rgBT /Overloc Macromolecular Science Part A, Chemistry, 1991, 28, 221-231.	0.4	2
715	Electrostatic-field-induced chain alignment of liquid crystalline copolyether TPP thin films. Polymer, 2001, 42, 4039-4044.	1.8	2
716	Guest Editorial: Origin, Transfer, and Amplification of Chirality. Israel Journal of Chemistry, 2011, 51, 989-989.	1.0	2
717	Coassembly of a Hexagonal Columnar Liquid Crystalline Superlattice from Polymer(s) Coated with a Three-Cylindrical Bundle Supramolecular Dendrimer. , 1999, 5, 1070.		2
718	Semiconduction theory. Experientia, 1980, 36, 1264-1267.	1.2	1
719	New 3-halogen carbazole ? containing monomers and polymers. Polymer Bulletin, 1981, 5, 659.	1.7	1
720	New telechelic polymers and sequential copolymers by polyfunctional initiator-transfer agents (inifers). Polymer Bulletin, 1983, 9, 570-576.	1.7	1

#	ARTICLE	IF	CITATIONS
721	Perspective: Comments on "interfacial polycondensation. I." by Emerson L. Wittbecker and Paul W. Morgan, <i>J. Polym. Sci.</i> , XL, 289 (1959) and "interfacial polycondensation. II. Fundamentals of polymer formation at liquid interfaces," by Paul W. Morgan and Stephanie L. Kwolek, <i>J. Polym. Sci.</i> , XL, 299 (1959). <i>Journal of Polymer Science Part A</i> , 1996, 34, 519-520.	2.5	1
722	Microstructure and Morphology of Thermotropic Amphiphilic Liquid Crystalline Materials. <i>Materials Research Society Symposia Proceedings</i> , 1999, 559, 189.	0.1	1
723	Cover Picture: Transformation of a Spherical Supramolecular Dendrimer into a Pyramidal Columnar Supramolecular Dendrimer Mediated by the Fluorophobic Effect (<i>Angew. Chem. Int. Ed.</i> 36/2003). <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4269-4269.	7.2	1
724	Electronic transport in self-organizing columnar phases. , 2003, , .		1
725	Dumbbell-Shaped Janus Dendrimersomes Exhibit Lamellar to Sponge Phase Transitions. <i>Biophysical Journal</i> , 2018, 114, 272a-273a.	0.2	1
726	Molecular imaging of monodendron jacketed linear polymers by scanning force microscopy. , 1998, 19, 359.		1
727	Fluorocarbon-ended polymers: Metal catalyzed radical and living radical polymerizations initiated by perfluoroalkylsulfonate halides. , 2000, 38, 3313.		1
728	Designing functional aromatic multisulfonate chloride initiators for complex organic synthesis by living radical polymerization. , 0, .		1
729	Designing functional aromatic multisulfonate chloride initiators for complex organic synthesis by living radical polymerization. <i>Journal of Polymer Science Part A</i> , 2000, 38, 4776-4791.	2.5	1
730	¹ H NMR Spectroscopic Investigation of the Mechanism of 2-Substituted-2-Oxazoline Ring Formation and of the Hydrolysis of the Corresponding Oxazolinium Salts. , 2000, 2000, 2257.		1
731	Molecular Engineering of Side Chain Liquid Crystalline Polymers. , 1992, , 247-268.		1
732	New phenothiazine-containing monomers and polymers. <i>Polymer Bulletin</i> , 1981, 5, 233.	1.7	0
733	New telechelic polymers and sequential copolymers by polyfunctional initiator-transfer agents (Inifers). <i>Polymer Bulletin</i> , 1982, 8, 551.	1.7	0
734	Functional polymers and sequential copolymers by phase transfer catalysis. <i>Polymer Bulletin</i> , 1983, 10-10, 223.	1.7	0
735	Molecular Engineering of Liquid Crystalline Polymers. , 1989, , 299-383.		0
736	Synthesis and Characterization of Poly(methylsiloxane)s Containing 5-[S(-)-2-Methyl-1-butyl]-2-[4-(11-undecan-1-yloxy)phenyl]-1, 3, 2-dioxaborinane and 2-[4-[S(-)-2-Methyl-1-butoxy]phenyl]-5-(11-undecan-1-yl)-1, 3, 2-dioxaborinane Constitutional Isomeric Side Groups. <i>Journal of Macromolecular Science Part A, Chemistry</i> , 1991, 28, 85-94.	0.4	0
737	NiCl ₂ (dppe)-Catalyzed Cross-Coupling of Aryl Mesylates, Arenesulfonates, and Halides with Arylboronic Acids.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
738	Editorial announcement: DSM Performance Materials Award 2008 for Craig J. Hawker. <i>Journal of Polymer Science Part A</i> , 2008, 46, xxiv.	2.5	0

#	ARTICLE	IF	CITATIONS
739	Enhanced Concanavalinâ€¦A Binding to Preorganized Mannose Nanoarrays in Glycodendrimersomes Revealed Multivalent Interactions. <i>Angewandte Chemie</i> , 2021, 133, 8433-8441.	1.6	0
740	Effect of molecular architecture on the electrorheological behavior of liquid crystal polymers in nematic solvents. <i>Rheologica Acta</i> , 1997, 36, 505-512.	1.1	0