

Virgil Percec

List of Publications by Year in descending order

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741
papers

50,385
citations

1172

111
h-index

3182

186
g-index

780
all docs

780
docs citations

780
times ranked

16562
citing authors

#	ARTICLE	IF	CITATIONS
1	Nickel-Catalyzed Cross-Couplings Involving Carbon–Oxygen Bonds. <i>Chemical Reviews</i> , 2011, 111, 1346-1416.	47.7	1,212
2	Dendron-Mediated Self-Assembly, Disassembly, and Self-Organization of Complex Systems. <i>Chemical Reviews</i> , 2009, 109, 6275-6540.	47.7	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 Å°C. <i>Journal of the American Chemical Society</i> , 2006, 128, 14156-14165.	13.7	1,088
4	Self-organization of supramolecular helical dendrimers into complex electronic materials. <i>Nature</i> , 2002, 419, 384-387.	27.8	938
5	Single-Electron Transfer and Single-Electron Transfer Degenerative Chain Transfer Living Radical Polymerization. <i>Chemical Reviews</i> , 2009, 109, 5069-5119.	47.7	847
6	"Living" Radical Polymerization of Styrene Initiated by Arenesulfonyl Chlorides and CuI(bpy) _n Cl. <i>Macromolecules</i> , 1995, 28, 7970-7972.	4.8	836
7	Controlling polymer shape through the self-assembly of dendritic side-groups. <i>Nature</i> , 1998, 391, 161-164.	27.8	809
8	Self-Assembly of Janus Dendrimers into Uniform Dendrimersomes and Other Complex Architectures. <i>Science</i> , 2010, 328, 1009-1014.	12.6	654
9	Self-assembly of amphiphilic dendritic dipeptides into helical pores. <i>Nature</i> , 2004, 430, 764-768.	27.8	613
10	Supramolecular dendritic liquid quasicrystals. <i>Nature</i> , 2004, 428, 157-160.	27.8	585
11	Direct Visualization of Individual Cylindrical and Spherical Supramolecular Dendrimers. <i>Science</i> , 1997, 278, 449-452.	12.6	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.	13.7	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.	13.7	412
14	Giant Supramolecular Liquid Crystal Lattice. <i>Science</i> , 2003, 299, 1208-1211.	12.6	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.	13.7	391
16	Induced Helical Backbone Conformations of Self-Organizable Dendronized Polymers. <i>Accounts of Chemical Research</i> , 2008, 41, 1641-1652.	15.6	391
17	Single Electron Transfer in Radical Ion and Radical-Mediated Organic, Materials and Polymer Synthesis. <i>Chemical Reviews</i> , 2014, 114, 5848-5958.	47.7	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

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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.	13.7	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.	4.8	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.	13.7	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.	13.7	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.	13.7	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.	3.2	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.	13.7	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.	13.7	261
27	From structure to function via complex supramolecular dendrimer systems. <i>Chemical Society Reviews</i> , 2015, 44, 3900-3923.	38.1	259
28	Solvent Choice Differentiates SET-LRP and Cu-Mediated Radical Polymerization with Non-First-Order Kinetics. <i>Macromolecules</i> , 2008, 41, 8360-8364.	4.8	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.	4.8	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.	13.7	234
31	Nanomechanical Function from Self-Organizable Dendronized Helical Polyphenylacetylenes. <i>Journal of the American Chemical Society</i> , 2008, 130, 7503-7508.	13.7	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.	3.2	223
33	NiCl ₂ (dppe)-Catalyzed Cross-Coupling of Aryl Mesylates, Arenesulfonates, and Halides with Arylboronic Acids. <i>Journal of Organic Chemistry</i> , 2004, 69, 3447-3452.	3.2	223
34	Progress in polyacetylene chemistry. <i>Progress in Polymer Science</i> , 1982, 8, 133-214.	24.7	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.	2.3	220
36	Synthesis and characterization of a thermotropic nematic liquid crystalline dendrimeric polymer. <i>Macromolecules</i> , 1992, 25, 3843-3850.	4.8	219

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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.	13.7	218
38	Toward "Willowlike" Thermotropic Dendrimers. <i>Macromolecules</i> , 1994, 27, 4441-4453.	4.8	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.	2.3	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.	2.3	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.	2.3	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.	13.7	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.	13.7	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.	13.7	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.	7.1	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.	3.3	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.	2.3	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.	4.8	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.	4.8	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.	2.3	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.	2.3	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.	13.7	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.	13.7	166

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55	Steric Communication of Chiral Information Observed in Dendronized Polyacetylenes. <i>Journal of the American Chemical Society</i> , 2006, 128, 16365-16372.	13.7	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.	13.7	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.	13.7	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.	13.7	164
59	Selective Transport of Water Mediated by Porous Dendritic Dipeptides. <i>Journal of the American Chemical Society</i> , 2007, 129, 11698-11699.	13.7	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.	2.3	158
61	Self-Assembly of Semifluorinated Janus-Dendritic Benzamides into Bilayered Pyramidal Columns. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4739-4745.	13.8	158
62	Self-Assembly of Dendritic Crowns into Chiral Supramolecular Spheres. <i>Journal of the American Chemical Society</i> , 2009, 131, 1294-1304.	13.7	158
63	Interchain electron donor-acceptor complexes: a model to study polymer-polymer miscibility?. <i>Macromolecules</i> , 1986, 19, 55-64.	4.8	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.	13.7	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-ATRP of methyl acrylate during catalysis with activated Cu(0) wire. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5109-5119.	2.3	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.	13.7	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.	13.7	148
69	A supramolecular helix that disregards chirality. <i>Nature Chemistry</i> , 2016, 8, 80-89.	13.6	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.	4.8	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.	13.7	146
72	Mimicking Complex Biological Membranes and Their Programmable Glycan Ligands with Dendrimersomes and Glycodendrimersomes. <i>Chemical Reviews</i> , 2017, 117, 6538-6631.	47.7	146

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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.	7.1	145
74	SET-MLRP of acrylates in air. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1190-1196.	2.3	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.	3.2	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.	2.3	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.	13.7	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.	2.3	138
79	Analysis of the Cu(0)-Catalyzed Polymerization of Methyl Acrylate in Disproportionating and Nondisproportionating Solvents. <i>Macromolecules</i> , 2012, 45, 4606-4622.	4.8	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.	13.7	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.	2.3	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.	4.8	131
83	Molecular Structure of Helical Supramolecular Dendrimers. <i>Journal of the American Chemical Society</i> , 2008, 130, 14840-14852.	13.7	130
84	Cooperative and synergistic solvent effects in SET-MLRP of MA. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5591-5605.	2.3	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.	13.8	127
86	Molecular imaging of monodendron jacketed linear polymers by scanning force microscopy. <i>Macromolecular Rapid Communications</i> , 1998, 19, 359-366.	3.9	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.	7.1	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.	2.3	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.	4.8	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.	4.8	125

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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.	4.8	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.	2.3	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.	2.3	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.	3.3	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.	2.3	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.	13.7	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.	4.8	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.	4.8	120
100	Self-Assembly of Dendronized Perylene Bisimides into Complex Helical Columns. <i>Journal of the American Chemical Society</i> , 2011, 133, 12197-12219.	13.7	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.	2.3	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.	3.9	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.	2.3	117
104	Supramolecular Tubular Structures of a Polymethacrylate with Tapered Side Groups in Aligned Hexagonal Phases. <i>Macromolecules</i> , 1994, 27, 6129-6132.	4.8	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.	6.7	116
106	Molecular Conformations of Monodendron-Jacketed Polymers by Scanning Force Microscopy. <i>Macromolecules</i> , 1999, 32, 2653-2660.	4.8	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.	3.3	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

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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.	13.8	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.	2.3	114
111	Helical chirality in dendronized polyarylacetylenes. <i>New Journal of Chemistry</i> , 2007, 31, 1083.	2.8	114
112	Visualization of the crucial step in SET-LRP. <i>Polymer Chemistry</i> , 2013, 4, 1635-1647.	3.9	114
113	Hollow Spherical Supramolecular Dendrimers. <i>Journal of the American Chemical Society</i> , 2008, 130, 13079-13094.	13.7	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.	4.8	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.	3.3	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.	2.3	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.	4.8	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.	3.3	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.	5.4	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.	13.7	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.	4.6	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.	2.3	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.	2.3	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.	13.7	106
126	Molecular engineering of side-chain liquid-crystalline polymers by living cationic polymerization. <i>Advanced Materials</i> , 1992, 4, 548-561.	21.0	105

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