

A Dieter Schlter

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222
papers

10,039
citations

52
h-index

91
g-index

233
ext. papers

10,745
ext. citations

7.2
avg. IF

6.36
L-index

#	Paper	IF	Citations
222	Dendronized Polymers: Synthesis, Characterization, Assembly at Interfaces, and Manipulation. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 864-883	16.4	614
221	Two-dimensional polymers: just a dream of synthetic chemists?. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1030-69	16.4	590
220	A two-dimensional polymer prepared by organic synthesis. <i>Nature Chemistry</i> , 2012 , 4, 287-91	17.6	333
219	Gram-scale synthesis of two-dimensional polymer crystals and their structure analysis by X-ray diffraction. <i>Nature Chemistry</i> , 2014 , 6, 779-84	17.6	289
218	Suzuki Polycondensation: Polyarylenes à Carte. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 653-87.8	4.8	242
217	Synthesis of free-standing, monolayered organometallic sheets at the air/water interface. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7879-84	16.4	225
216	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 213-7	16.4	213
215	Dendronized Polymers: Recent Progress in Synthesis. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 328-339	2.6	208
214	Large area synthesis of a nanoporous two-dimensional polymer at the air/water interface. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3450-3	16.4	176
213	Self-assembly of focal point oligo-catechol ethylene glycol dendrons on titanium oxide surfaces: adsorption kinetics, surface characterization, and nonfouling properties. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10940-50	16.4	166
212	Molecular structure of single DNA complexes with positively charged dendronized polymers. <i>Journal of the American Chemical Society</i> , 2002 , 124, 6860-5	16.4	161
211	Two-dimensional polymers: concepts and perspectives. <i>Chemical Communications</i> , 2016 , 52, 18-34	5.8	154
210	PEG-stabilized core-shell nanoparticles: impact of linear versus dendritic polymer shell architecture on colloidal properties and the reversibility of temperature-induced aggregation. <i>ACS Nano</i> , 2013 , 7, 316-29	16.7	154
209	A two-dimensional polymer from the anthracene dimer and triptycene motifs. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14134-41	16.4	152
208	Thermoresponsive Dendronized Polymers. <i>Macromolecules</i> , 2008 , 41, 3659-3667	5.5	140
207	Synthesis of a covalent monolayer sheet by photochemical anthracene dimerization at the air/water interface and its mechanical characterization by AFM indentation. <i>Advanced Materials</i> , 2014 , 26, 2052-8	24	134
206	A Covalent Chemistry Approach to Giant Macromolecules with Cylindrical Shape and an Engineerable Interior and Surface. <i>Topics in Current Chemistry</i> , 2005 , 151-191		130

205	Tuning polymer thickness: synthesis and scaling theory of homologous series of dendronized polymers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11841-54	16.4	121
204	Synthesis of two-dimensional analogues of copolymers by site-to-site transmetalation of organometallic monolayer sheets. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6103-10	16.4	111
203	Ordered Dendritic Nanorods with a Poly(p-phenylene) Backbone. <i>Journal of the American Chemical Society</i> , 1998 , 120, 7691-7695	16.4	109
202	A Poly(para-phenylene) with Hydrophobic and Hydrophilic Dendrons: Prototype of an Amphiphilic Cylinder with the Potential to Segregate Lengthwise. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2370-2372	16.4	109
201	The largest synthetic structure with molecular precision: towards a molecular object. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 737-40	16.4	102
200	A Two-Dimensional Polymer Synthesized through Topochemical [2 + 2]-Cycloaddition on the Multigram Scale. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2053-2059	16.4	101
199	Thermoresponsive dendronized polymers with tunable lower critical solution temperatures. <i>Chemical Communications</i> , 2008 , 5523-5	5.8	101
198	Shape-persistent macrocycles with terpyridine units: synthesis, characterization, and structure in the crystal. <i>Journal of the American Chemical Society</i> , 2003 , 125, 6907-18	16.4	99
197	A surface-modified dendrimer set for potential application as drug delivery vehicles: synthesis, in vitro toxicity, and intracellular localization. <i>Chemistry - A European Journal</i> , 2004 , 10, 1167-92	4.8	98
196	Efficient synthesis of high molar mass, first- to fourth-generation distributed dendronized polymers by the macromonomer approach. <i>Chemistry - A European Journal</i> , 2003 , 9, 6083-92	4.8	94
195	Homologous series of dendronized polymethacrylates with a methyleneoxycarbonyl spacer between the backbone and dendritic side chain: synthesis, characterization, and some bulk properties. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6658-66	16.4	92
194	Extremely Long Dendronized Polymers: Synthesis, Quantification of Structure Perfection, Individualization, and SFM Manipulation This work was supported by the Deutsche Forschungsgemeinschaft (Sfb 448, TPs 1 and 5) and the Fonds der Chemischen Industrie; SFM scanning force microscopy. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1611-1619	16.4	90
193	How Dendrons Stiffen Polymer Chains: A SANS Study. <i>Macromolecules</i> , 1999 , 32, 4043-4049	5.5	88
192	EPR spectroscopic characterization of local nanoscopic heterogeneities during the thermal collapse of thermoresponsive dendronized polymers. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5683-7	16.4	86
191	A Cyclotetraicosaphenylene. <i>Chemistry - A European Journal</i> , 1999 , 5, 421-429	4.8	85
190	Sustained gastrointestinal activity of dendronized polymer-enzyme conjugates. <i>Nature Chemistry</i> , 2013 , 5, 582-9	17.6	82
189	Dendronisierte Polymere: Synthese, Charakterisierung, Grenzflächenverhalten und Manipulation. <i>Angewandte Chemie</i> , 2000 , 112, 860-880	3.6	80
188	The carbon skeleton of the belt region of fullerene C84 (D2). <i>Chemistry - A European Journal</i> , 2003 , 9, 2745-57	4.8	78

- 187 Towards Macroscopic Crystalline 2D Polymers. *Angewandte Chemie - International Edition*, **2018**, 57, 13748-13763
- 186 A fluorescently labeled dendronized polymer-enzyme conjugate carrying multiple copies of two different types of active enzymes. *Journal of the American Chemical Society*, **2012**, 134, 11392-5 16.4 70
- 185 Formation of a mesoscopic skin barrier in mesoglobules of thermoresponsive polymers. *Journal of the American Chemical Society*, **2011**, 133, 10832-8 16.4 65
- 184 Synthesis of Amphiphilic Poly(p-phenylene)s with Pendant Dendrons and Linear Chains. *Macromolecules*, **2000**, 33, 2688-2694 5.5 65
- 183 Synthesis of Free-Standing, Monolayered Organometallic Sheets at the Air/Water Interface. *Angewandte Chemie*, **2011**, 123, 8025-8030 3.6 64
- 182 Square-micrometer-sized, free-standing organometallic sheets and their square-centimeter-sized multilayers on solid substrates. *Macromolecular Rapid Communications*, **2013**, 34, 1670-80 4.8 63
- 181 Synthesis of an oligo(ethylene glycol)-based third-generation thermoresponsive dendronized polymer. *Journal of Polymer Science Part A*, **2009**, 47, 6630-6640 2.5 63
- 180 Dual Fluorescence of Phenyl and Biphenyl Substituted Pyrene Derivatives. *Journal of Physical Chemistry A*, **2003**, 107, 5941-5947 2.8 62
- 179 Liquid-crystalline polymers from cationic dendronized polymer-anionic lipid complexes. *Journal of the American Chemical Society*, **2006**, 128, 13998-9 16.4 61
- 178 Dendronized Polymers: Increasing of Dendron Generation by the Attach-to Approach. *Macromolecules*, **2000**, 33, 4321-4328 5.5 59
- 177 Dendronized Polymers: Molecular Objects between Conventional Linear Polymers and Colloidal Particles. *ACS Macro Letters*, **2014**, 3, 991-998 6.6 56
- 176 Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. *Angewandte Chemie*, **2016**, 128, 221-225 3.6 55
- 175 Synthesis of an anionically chargeable, high-molar-mass, second-generation dendronized polymer and the observation of branching by scanning force microscopy. *Journal of the American Chemical Society*, **2006**, 128, 5091-9 16.4 54
- 174 Covalent connection of two individual polymer chains on a surface: an elementary step towards molecular nanoconstructions. *Angewandte Chemie - International Edition*, **2003**, 42, 1932-5 16.4 54
- 173 Entering a new level of use for Suzuki cross-coupling: poly(para-phenylene)s with fourth-generation dendrons. *Chemistry - A European Journal*, **2000**, 6, 3235-41 4.8 54
- 172 5,5'-Disubstituted 2,2':6',2'-Terpyridines through and for Metal-Mediated Cross-Coupling Chemistry. *Chemistry - A European Journal*, **1999**, 5, 854-859 4.8 54
- 171 Real Space Imaging and Molecular Packing of Dendronized Polymer/lipid Supramolecular Complexes. *Macromolecules*, **2007**, 40, 7609-7616 5.5 53
- 170 Sequential Immobilization of Enzymes in Microfluidic Channels for Cascade Reactions. *ChemPlusChem*, **2012**, 77, 98-101 2.8 51

169	Suzuki polycondensation put to work: a tough poly(meta-phenylene) with a high glass-transition temperature. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4956-9	16.4	49
168	Synthesis and an X-ray structure of soluble phenylacetylene macrocycles with two opposing bipyridine donor sites. <i>Chemistry - A European Journal</i> , 2000 , 6, 2362-7	4.8	49
167	Synthesizing molecular fishing nets. <i>Physics Today</i> , 2018 , 71, 40-47	0.9	49
166	Comblike Liquid-Crystalline Polymers from Ionic Complexation of Dendronized Polymers and Lipids. <i>Macromolecules</i> , 2007 , 40, 2822-2830	5.5	48
165	Quantitative Aspects of the Dendronization of Dendronized Linear Polystyrenes. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 2540-2550	2.6	48
164	A rigid, chiral, dendronized polymer with a thermally stable, right-handed helical conformation. <i>Chemistry - A European Journal</i> , 2008 , 14, 6924-34	4.8	47
163	Glassy State of Single Dendronized Polymer Chains. <i>Macromolecules</i> , 2004 , 37, 2484-2489	5.5	47
162	Single-Site Catalysts on a Cylindrical Support beyond Nanosize. <i>Organometallics</i> , 2003 , 22, 4175-4177	3.8	47
161	Synthetic 2D Polymers: A Critical Perspective and a Look into the Future. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800719	4.8	46
160	Synthetic Two-Dimensional Polymers. <i>Annual Review of Materials Research</i> , 2017 , 47, 361-389	12.8	45
159	A Two-Dimensional Polymer Synthesized at the Air/Water Interface. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10584-10588	16.4	44
158	Phenylacetylene macrocycles with two opposing bipyridine donor sites: syntheses, X-ray structure determinations, and Ru complexation. <i>Chemistry - A European Journal</i> , 2002 , 8, 357-65	4.8	43
157	Dendronized Polystyrenes with Hydroxy and Amino Groups in the Periphery. <i>Macromolecules</i> , 1998 , 31, 9372-9378	5.5	42
156	Fluorescent dendrimers with a peptide cathepsin B cleavage site for drug delivery applications. <i>Chemical Communications</i> , 2005 , 1830-2	5.8	41
155	Formation of Stable Mesoglobules by a Thermosensitive Dendronized Polymer. <i>Macromolecules</i> , 2009 , 42, 7122-7128	5.5	39
154	Double-helical ultrastructure of polycationic dendronized polymers determined by single-particle Cryo-TEM. <i>Chemistry - A European Journal</i> , 2005 , 11, 2923-8	4.8	39
153	A facile synthetic route to a third-generation dendrimer with generation-specific functional aryl bromides. <i>Organic Letters</i> , 2000 , 2, 1645-8	6.2	39
152	Enzyme immobilization on silicate glass through simple adsorption of dendronized polymer-enzyme conjugates for localized enzymatic cascade reactions. <i>RSC Advances</i> , 2015 , 5, 44530-44544	3.7	38

151	Solid-state photopolymerization of a shape-persistent macrocycle with two 1,8-diazaanthracene units in a single crystal. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11721-5	16.4	38
150	Self-assembly and induced circular dichroism in dendritic supramolecules with cholesteric pendant groups. <i>Journal of the American Chemical Society</i> , 2010 , 132, 10882-90	16.4	38
149	Efficient Synthesis of First- and Second-Generation, Water-Soluble Dendronized Polymers. <i>Macromolecules</i> , 2008 , 41, 43-49	5.5	36
148	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000216	2.6	36
147	Suzuki Polycondensation toward High Molecular Weight Poly(m-phenylene)s: Mechanistic Insights and End-Functionalization. <i>Macromolecules</i> , 2012 , 45, 5418-5426	5.5	35
146	Chemical Mapping of Nanodefects within 2D Covalent Monolayers by Tip-Enhanced Raman Spectroscopy. <i>ACS Nano</i> , 2018 , 12, 5021-5029	16.7	34
145	Minimally invasive characterization of covalent monolayer sheets using tip-enhanced Raman spectroscopy. <i>ACS Nano</i> , 2015 , 9, 4252-9	16.7	33
144	Structure and enzymatic properties of molecular dendronized polymer-enzyme conjugates and their entrapment inside giant vesicles. <i>Langmuir</i> , 2013 , 29, 10831-40	4	33
143	Structural Characterization of a Covalent Monolayer Sheet Obtained by Two-Dimensional Polymerization at an Air/Water Interface. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15262-15266	16.4	33
142	Narrowly Distributed Dendronized Polymethacrylates by Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 799-803	4.8	33
141	Approaching two-dimensional copolymers: photoirradiation of anthracene- and diaza-anthracene-bearing monomers in Langmuir monolayers. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 151-8	4.8	32
140	Room Temperature Synthesis of a Covalent Monolayer Sheet at Air/Water Interface Using a Shape-Persistent Photoreactive Amphiphilic Monomer.. <i>ACS Macro Letters</i> , 2014 , 3, 153-158	6.6	32
139	Immobilization of peroxidase on SiO ₂ surfaces with the help of a dendronized polymer and the avidin-biotin system. <i>Macromolecular Bioscience</i> , 2011 , 11, 1052-67	5.5	32
138	EPR Spectroscopy Provides a Molecular View on Thermoresponsive Dendronized Polymers Below the Critical Temperature. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 1229-1235	2.6	32
137	Synthesis of Thermally Switchable Poly(N-isopropylacrylamide-block-dendronized methacrylate)s. <i>Macromolecules</i> , 2007 , 40, 220-227	5.5	32
136	Branched versus Linear Polyelectrolytes: Intrinsic Viscosities of Peripherically Charged Dendronized Poly(methyl methacrylate)s and of Their Uncharged Analogues. <i>Macromolecules</i> , 2008 , 41, 8173-8180	5.5	31
135	Covalent connection of individualized, neutral, dendronized polymers on a solid substrate using a scanning force microscope. <i>Chemistry - A European Journal</i> , 2006 , 12, 6542-51	4.8	31
134	Simple enzyme immobilization inside glass tubes for enzymatic cascade reactions. <i>Journal of Materials Chemistry</i> , 2012 , 22, 502-511		30

133	Large mechanical response of single dendronized polymers induced by ionic strength. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4250-3	16.4	30
132	Self-Folding of Charged Single Dendronized Polymers. <i>Advanced Materials</i> , 2008 , 20, 3204-3210	24	30
131	Improved Suzuki polycondensation: A diiodo versus a dibromo monomer. <i>Macromolecular Chemistry and Physics</i> , 2000 , 201, 139-142	2.6	30
130	Nanoscale Chemical Imaging of Interfacial Monolayers by Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9361-9366	16.4	28
129	Rational monomer design towards 2D polymers: synthesis of a macrocycle with three 1,8-anthrylene units. <i>Chemistry - A European Journal</i> , 2009 , 15, 8955-60	4.8	28
128	Double-stranded cycles: toward C84's belt region. <i>Journal of Organic Chemistry</i> , 2007 , 72, 424-30	4.2	28
127	Shape-Persistent Macrocycles: A Synthetic Strategy that Combines Easy and Site-Specific Decorations with Improved Cyclization Efficiency. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 2700-2712	3.2	28
126	Synthesis and polymerization of functionalized dendritic macromonomers. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 1940-1954	2.5	28
125	Progress toward the polymerization of a fourth generation dendritic macromonomer. <i>Macromolecular Rapid Communications</i> , 1999 , 20, 21-25	4.8	28
124	Rheology and Packing of Dendronized Polymers. <i>Macromolecules</i> , 2016 , 49, 7054-7068	5.5	28
123	How the World Changes By Going from One- to Two-Dimensional Polymers in Solution. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1638-1650	4.8	27
122	Synthesis of Pyrene Containing Building Blocks for Dendrimer Synthesis. <i>Synthesis</i> , 2001 , 2001, 2143-2155	5.9	27
121	Macrocyclic amphiphiles with 1,8-anthrylene fluorophores: synthesis and attempts toward two-dimensional organization. <i>Organic Letters</i> , 2010 , 12, 2778-81	6.2	26
120	Assessing the Solution Shape and Size of Charged Dendronized Polymers Using Double Electron-Electron Resonance. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 1583-1587	6.4	26
119	Self-Assembly of Amphiphilic Poly(paraphenylene)s: Thermotropic Phases, Solution Behavior, and Monolayer Films \square <i>Langmuir</i> , 2003 , 19, 6537-6544	4	26
118	Effect of molecular architecture on single polymer adhesion. <i>Langmuir</i> , 2014 , 30, 4351-7	4	25
117	Synthesis and polymerization of a amine-terminated dendronized styrene. <i>Macromolecular Chemistry and Physics</i> , 2000 , 201, 239-245	2.6	25
116	Computer simulation of dendronized polymers: organization and characterization at the atomistic level. <i>RSC Advances</i> , 2013 , 3, 126-140	3.7	24

115	Amino-Functionalized, Second-Generation Dendritic Building Blocks. <i>European Journal of Organic Chemistry</i> , 1998 , 1998, 1275-1283	3.2	24
114	Ink-Free Reversible Optical Writing in Monolayers by Polymerization of a Trifunctional Monomer: Toward Rewritable "Molecular Paper". <i>Advanced Materials</i> , 2017 , 29, 1701220	24	23
113	Ion-Induced Stretching of Low Generation Dendronized Polymers with Crown Ether Branching Units. <i>Macromolecules</i> , 2009 , 42, 8781-8793	5.5	23
112	Towards a fully conjugated, double-stranded cycle: a mass spectrometric and theoretical study. <i>Chemistry - A European Journal</i> , 2008 , 14, 1628-37	4.8	23
111	Synthesis of High Generation Dendronized Polymers and Quantification of Their Structure Perfection. <i>Macromolecules</i> , 2014 , 47, 4127-4135	5.5	22
110	Exploring the Chemistry of a Double-Stranded Cycle with the Carbon Skeleton of the Belt Region of the C84 Fullerene. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 88-100	3.2	22
109	Polyarylene Synthesis by Suzuki Polycondensation of Aryl Dichlorides and an Aryl Diboronic Acid Ester. <i>Macromolecular Rapid Communications</i> , 2008 , 29, 1661-1665	4.8	22
108	Unraveling two-dimensional polymerization in the single crystal. <i>Journal of Applied Crystallography</i> , 2018 , 51, 481-497	3.8	21
107	Photoinduced energy- and electron-transfer processes in dinuclear Ru(II)-Os(II), Ru(II)-Os(III), and Ru(III)-Os(II) trisbipyridine complexes containing a shape-persistent macrocyclic spacer. <i>ChemPhysChem</i> , 2006 , 7, 229-39	3.2	21
106	Synthesis of Dendronized Polymers by a $\beta + 2\alpha$ Approach. <i>Macromolecules</i> , 2012 , 45, 8555-8560	5.5	20
105	Computer simulation of fifth generation dendronized polymers: impact of charge on internal organization. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 6007-17	3.4	20
104	The Largest Synthetic Structure with Molecular Precision: Towards a Molecular Object. <i>Angewandte Chemie</i> , 2011 , 123, 763-766	3.6	20
103	Synthesis of 5,5'-Disubstituted 2,2'-Bipyridines for Modular Chemistry. <i>Synthesis</i> , 1999 , 1999, 683-687	2.9	20
102	Synthetic regimes due to packing constraints in dendritic molecules confirmed by labelling experiments. <i>Nature Communications</i> , 2013 , 4, 1993	17.4	19
101	Suzuki polycondensation with a hairpin monomer. <i>Organic Letters</i> , 2009 , 11, 4112-5	6.2	19
100	Thiophene-based dendronized macromonomers and polymers. <i>Polymer</i> , 2007 , 48, 4996-5004	3.9	19
99	Enriching and Quantifying Porous Single Layer 2D Polymers by Exfoliation of Chemically Modified van der Waals Crystals. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5683-5695	16.4	19
98	A chemical system that mimics decoding operations. <i>ChemPhysChem</i> , 2009 , 10, 495-8	3.2	18

97	Synthesis of Neutral, Water-Soluble Oligo(ethylene Glycol)-Containing Dendronized Homo- and Copolymers of Generations 1, 1.5, 2, and 3. <i>Macromolecules</i> , 2014 , 47, 7337-7346	5.5	17
96	Interactions between Individual Charged Dendronized Polymers and Surfaces. <i>Macromolecules</i> , 2013 , 46, 3603-3610	5.5	17
95	Synthesis of compounds presenting three and four anthracene units as potential connectors to mediate infinite lateral growth at the air/water interface. <i>Chemistry - A European Journal</i> , 2008 , 14, 10797-807	4.8	17
94	Shape-Persistent Macrocycles with Bipyridine Units: Progress in Accessibility and Widening of Applicability. <i>European Journal of Organic Chemistry</i> , 2005 , 2005, 822-837	3.2	17
93	How to use X-ray diffraction to elucidate 2D polymerization propagation in single crystals. <i>Chemical Society Reviews</i> , 2020 , 49, 5140-5158	58.5	16
92	Interactions in dendronized polymers: intramolecular dominates intermolecular. <i>Soft Matter</i> , 2014 , 10, 1032-44	3.6	16
91	Loading and release capabilities of charged dendronized polymers revealed by EPR spectroscopy. <i>Chemical Science</i> , 2012 , 3, 2550	9.4	16
90	Solvent induced phenomena in a dendronized linear polymer. <i>Colloid and Polymer Science</i> , 2013 , 291, 2879-2892	2.4	16
89	Synthesis of low-generation, aryl/alkyl-type, nonpolar dendrons carrying protected hydroxyalkyl groups in the periphery. <i>Journal of Organic Chemistry</i> , 2002 , 67, 5327-32	4.2	16
88	Decorating the Edges of a 2D Polymer with a Fluorescence Label. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8976-81	16.4	16
87	Structure Elucidation of 2D Polymer Monolayers Based on Crystallization Estimates Derived from Tip-Enhanced Raman Spectroscopy (TERS) Polymerization Conversion Data. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9867-9871	16.4	15
86	Facile synthesis and theoretical conformation analysis of a triazine-based double-decker rotor molecule with three anthracene blades. <i>Chemistry - A European Journal</i> , 2014 , 20, 6934-8	4.8	15
85	Evidence for fully conjugated double-stranded cycles. <i>Chemistry - A European Journal</i> , 2011 , 17, 12163-74	4.8	15
84	Controlling Hierarchical Self-Assembly in Supramolecular Tailed-Dendron Systems. <i>Macromolecules</i> , 2010 , 43, 4752-4760	5.5	15
83	A set of homologous hetarylenediyne macrocycles by oxidative acetylene-acetylene coupling. <i>Organic Letters</i> , 2008 , 10, 2091-3	6.2	15
82	Covalent Connection of Two Individual Polymer Chains on a Surface: An Elementary Step towards Molecular Nanoconstructions. <i>Angewandte Chemie</i> , 2003 , 115, 1976-1979	3.6	15
81	New Parts for a Construction Set of Bifunctional Oligo(het)arylene Building Blocks for Modular Chemistry. <i>Synthesis</i> , 2000 , 2000, 442-446	2.9	15
80	8,9-Didehydrofluoranthenes as building blocks for the synthesis of extended polycyclic aromatic hydrocarbons (PAHs). <i>Organic Letters</i> , 2001 , 3, 3115-8	6.2	15

79	Building Blocks for the Construction of Large Chloro-Functionalized, Hexagonal Oligophenylene Cycles. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 451-458	3.2	15
78	Makroskopische kristalline 2D-Polymere. <i>Angewandte Chemie</i> , 2018 , 130, 13942-13959	3.6	15
77	Dendronized Polymers with Ureidopyrimidinone Groups: An Efficient Strategy To Tailor Intermolecular Interactions, Rheology, and Fracture. <i>Macromolecules</i> , 2017 , 50, 5176-5187	5.5	14
76	Photochemical Single-Crystal-to-Single-Crystal (SCSC) Reactions of Anthraphane to Dianthraphane and Poly1Danthraphane. <i>Crystal Growth and Design</i> , 2017 , 17, 6510-6522	3.5	14
75	Dendronized Polymers via Macromonomer Route in Supercritical Carbon Dioxide. <i>Macromolecular Rapid Communications</i> , 2008 , 29, 1609-1613	4.8	14
74	Aggregation of an Amphiphilic Poly(p-phenylene) in Micellar Surfactant Solutions. Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2005 , 38, 7451-7455	5.5	14
73	A Series of First- and Second-Generation Dendronized Polymers with Orthogonally Protected Amine Groups in the Periphery. <i>Macromolecules</i> , 2006 , 39, 8943-8951	5.5	14
72	Extremely Long Dendronized Polymers: Synthesis, Quantification of Structure Perfection, Individualization, and SFM Manipulation. <i>Angewandte Chemie</i> , 2001 , 113, 4802-4805	3.6	14
71	. <i>European Journal of Organic Chemistry</i> , 1998 , 1998, 2551-2556	3.2	13
70	Iron(II) Spin Transition Complexes with Dendritic Ligands, Part I. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 1613-1622	2.3	13
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