

Myongsoo Lee

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247
papers

11,440
citations

56
h-index

97
g-index

257
ext. papers

12,065
ext. citations

9.5
avg, IF

6.4
L-index

#	Paper	IF	Citations
247	High-water-content mouldable hydrogels by mixing clay and a dendritic molecular binder. <i>Nature</i> , 2010 , 463, 339-43	50.4	1309
246	Supramolecular structures from rod-coil block copolymers. <i>Chemical Reviews</i> , 2001 , 101, 3869-92	68.1	731
245	Responsive nanostructures from aqueous assembly of rigid-flexible block molecules. <i>Accounts of Chemical Research</i> , 2011 , 44, 72-82	24.3	333
244	Pulsating tubules from noncovalent macrocycles. <i>Science</i> , 2012 , 337, 1521-6	33.3	250
243	Aqueous self-assembly of aromatic rod building blocks. <i>Chemical Communications</i> , 2008 , 1043-54	5.8	241
242	Stimuli-responsive supramolecular nanocapsules from amphiphilic calixarene assembly. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12724-5	16.4	210
241	Stimuli-responsive gels from reversible coordination polymers. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5810-4	16.4	200
240	Controlled self-assembly of carbohydrate conjugate rod-coil amphiphiles for supramolecular multivalent ligands. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16333-7	16.4	195
239	Recent advances in functional supramolecular nanostructures assembled from bioactive building blocks. <i>Chemical Society Reviews</i> , 2009 , 38, 925-34	58.5	188
238	Anion-directed self-assembly of coordination polymer into tunable secondary structure. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7009-14	16.4	164
237	Self-Organization of Rod-Coil Molecules with Layered Crystalline States into Thermotropic Liquid Crystalline Assemblies. <i>Journal of the American Chemical Society</i> , 1998 , 120, 9168-9179	16.4	129
236	Development of toroidal nanostructures by self-assembly: rational designs and applications. <i>Accounts of Chemical Research</i> , 2013 , 46, 2888-97	24.3	124
235	An amphiphilic pyrene sheet for selective functionalization of graphene. <i>Chemical Communications</i> , 2011 , 47, 8259-61	5.8	120
234	Reversible scrolling of two-dimensional sheets from the self-assembly of laterally grafted amphiphilic rods. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3657-60	16.4	117
233	Nanorings from the self-assembly of amphiphilic molecular dumbbells. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14022-3	16.4	117
232	Carbohydrate-coated supramolecular structures: transformation of nanofibers into spherical micelles triggered by guest encapsulation. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4808-14	16.4	116
231	Helical nanofibers from aqueous self-assembly of an oligo(p-phenylene)-based molecular dumbbell. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9668-9	16.4	116

230	Dynamic extension-contraction motion in supramolecular springs. <i>Journal of the American Chemical Society</i> , 2007 , 129, 10994-5	16.4	114
229	Supramolecular capsules with gated pores from an amphiphilic rod assembly. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4662-6	16.4	110
228	Rod-coil block molecules: their aqueous self-assembly and biomaterials applications. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2909		108
227	Tubular organization with coiled ribbon from amphiphilic rigid-flexible macrocycle. <i>Journal of the American Chemical Society</i> , 2006 , 128, 3484-5	16.4	106
226	Self-assembly of T-shaped aromatic amphiphiles into stimulus-responsive nanofibers. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6807-10	16.4	102
225	Cell-penetrating-peptide-coated nanoribbons for intracellular nanocarriers. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3475-8	16.4	97
224	Self-assembling molecular dumbbells: from nanohelices to nanocapsules triggered by guest intercalation. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5304-7	16.4	96
223	Polyoxometalate-Driven Self-Assembly of Short Peptides into Multivalent Nanofibers with Enhanced Antibacterial Activity. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2592-5	16.4	96
222	Responsive nematic gels from the self-assembly of aqueous nanofibres. <i>Nature Communications</i> , 2011 , 2, 459	17.4	95
221	Supramolecular barrels from amphiphilic rigid-flexible macrocycles. <i>Nature Materials</i> , 2005 , 4, 399-402	27	93
220	Self-assembly of rod-coil molecules into molecular length-dependent organization. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3551-8	16.4	92
219	Supramolecular reactor from self-assembly of rod-coil molecule in aqueous environment. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8082-3	16.4	91
218	Self-assembling molecular trees containing octa-p-phenylene: from nanocrystals to nanocapsules. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6294-300	16.4	90
217	Filamentous artificial virus from a self-assembled discrete nanoribbon. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4525-8	16.4	79
216	Supramolecular switching between flat sheets and helical tubules triggered by coordination interaction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2156-9	16.4	78
215	Controlled bioactive nanostructures from self-assembly of peptide building blocks. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 9011-4	16.4	78
214	Spontaneous Organization of Supramolecular Rod-Bundles into a Body-Centered Tetragonal Assembly in Coil-coil Molecules. <i>Journal of the American Chemical Society</i> , 2000 , 122, 7449-7455	16.4	78
213	Supramolecular honeycomb by self-assembly of molecular rods in rod-coil molecule. <i>Journal of the American Chemical Society</i> , 2001 , 123, 4647-8	16.4	78

212	Molecular Engineering of Liquid Crystal Polymers by Living Polymerization. XXIII. Synthesis and Characterization of AB Block Copolymers Based on π [(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	2.2	77
211	Controlled Self-Assembly of Asymmetric Dumbbell-Shaped Rod Amphiphiles: Transition from Toroids to Planar Nets. <i>Macromolecules</i> , 2007 , 40, 8355-8360	5.5	75
210	Carbohydrate-coated nanocapsules from amphiphilic rod-coil molecule: binding to bacterial type 1 pili. <i>Chemical Communications</i> , 2005 , 2035-7	5.8	75
209	Transformation of isotropic fluid to nematic gel triggered by dynamic bridging of supramolecular nanocylinders. <i>Journal of the American Chemical Society</i> , 2005 , 127, 14170-1	16.4	75
208	Reversible transformation of helical coils and straight rods in cylindrical assembly of elliptical macrocycles. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17768-70	16.4	74
207	Tubular stacking of water-soluble toroids triggered by guest encapsulation. <i>Journal of the American Chemical Society</i> , 2009 , 131, 18242-3	16.4	74
206	Molecular engineering of liquid crystalline polymers by living polymerization. 10. Influence of molecular weight on the phase transitions of poly{ π [(4-cyano-4'-biphenyl)oxy]alkyl vinyl ether}s with nonyl and decanyl alkyl groups. <i>Macromolecules</i> , 1991 , 24, 2780-2788	5.5	74
205	Collective helicity switching of a DNA-coat assembly. <i>Nature Nanotechnology</i> , 2017 , 12, 551-556	28.7	70
204	Self-assembly of supramolecular polymers into tunable helical structures. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 1925-1935	2.5	69
203	Self-dissociating tubules from helical stacking of noncovalent macrocycles. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8471-5	16.4	68
202	Stimuli-Responsive Gels from Reversible Coordination Polymers. <i>Angewandte Chemie</i> , 2005 , 117, 5960-5964	3.6	68
201	Amphiphilic hairy disks with branched hydrophilic tails and a hexa-peri-hexabenzocoronene core. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9121-8	16.4	68
200	Supramolecular organization of block oligomers based on rod-shaped mesogen into liquid crystalline assembly. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2161-2168		67
199	Glycoconjugate nanoribbons from the self-assembly of carbohydrate-peptide block molecules for controllable bacterial cell cluster formation. <i>Biomacromolecules</i> , 2007 , 8, 1404-8	6.9	64
198	Dynamic self-assembly of coordination polymers in aqueous solution. <i>Soft Matter</i> , 2014 , 10, 5231-42	3.6	63
197	Stabilization of an alpha helix by beta-sheet-mediated self-assembly of a macrocyclic peptide. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1601-5	16.4	63
196	Lateral association of cylindrical nanofibers into flat ribbons triggered by "molecular glue". <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6375-8	16.4	61
195	Homochiral porous nanosheets for enantiomer sieving. <i>Nature Materials</i> , 2018 , 17, 599-604	27	60

194	Two-dimensional assembly of rod amphiphiles into planar networks. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6082-3	16.4	58
193	Multivalent nanofibers of a controlled length: regulation of bacterial cell agglutination. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14722-5	16.4	56
192	Solid-state scrolls from hierarchical self-assembly of T-shaped rod-coil molecules. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1664-8	16.4	56
191	Liquid-crystalline assembly from rigid wedge-flexible coil diblock molecules. <i>Angewandte Chemie - International Edition</i> , 2004 , 44, 328-32	16.4	56
190	Cubic and Columnar Supramolecular Architectures of Rod-Coil Molecules in the Melt State. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 638-640	16.4	55
189	Self-assembly of a peptide rod-coil: a polyproline rod and a cell-penetrating peptide Tat coil. <i>Chemical Communications</i> , 2008 , 1892-4	5.8	54
188	Supramolecular Cylinder and Sphere Generating Thermotropic Hexagonal Columnar and Spherical Micellar Liquid Crystalline Assemblies in CoilRodCoil Block Molecules. <i>Journal of the American Chemical Society</i> , 1998 , 120, 13258-13259	16.4	54
187	Liquid Crystalline Assembly of a Diblock RodCoil Polymer Based on Poly(ethylene oxide) and Its Complexes with LiCF ₃ SO ₃ . <i>Macromolecules</i> , 1996 , 29, 5567-5573	5.5	52
186	Switchable nanoporous sheets by the aqueous self-assembly of aromatic macrobicycles. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6426-9	16.4	49
185	Self-assembled multivalent carbohydrate ligands. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 401-5	3.9	49
184	Open-closed switching of synthetic tubular pores. <i>Nature Communications</i> , 2015 , 6, 8650	17.4	48
183	Intelligent supramolecular assembly of aromatic block molecules in aqueous solution. <i>Nanoscale</i> , 2013 , 5, 7711-23	7.7	48
182	Reversible Scrolling of Two-Dimensional Sheets from the Self-Assembly of Laterally Grafted Amphiphilic Rods. <i>Angewandte Chemie</i> , 2009 , 121, 3711-3714	3.6	47
181	Nanostructures of β -sheet peptides: steps towards bioactive functional materials. <i>Journal of Materials Chemistry</i> , 2008 , 18, 723-727		46
180	Synthesis and Supramolecular Nanostructure of Amphiphilic Rigid Aromatic-Flexible Dendritic Block Molecules. <i>Chemistry of Materials</i> , 2004 , 16, 4226-4231	9.6	46
179	Liquid-crystalline rodcoil polymers based on poly(ethylene oxide)s and the influence of the complexation of LiCF ₃ SO ₃ on the liquid-crystalline assembly. <i>Journal of Materials Chemistry</i> , 1996 , 6, 1079-1086		46
178	Rigid-flexible block molecules based on a laterally extended aromatic segment: hierarchical assembly into single fibers, flat ribbons, and twisted ribbons. <i>Chemistry - A European Journal</i> , 2008 , 14, 6957-66	4.8	44
177	Supramolecular Chiral 2D Materials and Emerging Functions. <i>Advanced Materials</i> , 2020 , 32, e1905669	24	44

176	Liquid Crystalline Assembly of Rod-Coil Molecules 2007 , 63-98		43
175	Supramolecular reactor in an aqueous environment: aromatic cross Suzuki coupling reaction at room temperature. <i>Journal of Organic Chemistry</i> , 2005 , 70, 8956-62	4.2	43
174	Self-assembly of molecular dumbbells into organized bundles with tunable size. <i>Chemistry - A European Journal</i> , 2002 , 8, 876-83	4.8	42
173	Intelligent Mesoporous Materials for Selective Adsorption and Mechanical Release of Organic Pollutants From Water. <i>Advanced Materials</i> , 2018 , 30, e1800683	24	40
172	Ordered nanostructures from the self-assembly of reactive coil-rod-coil molecules. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 650-3	16.4	39
171	Self-Assembling Molecular Dumbbells: From Nanohelices to Nanocapsules Triggered by Guest Intercalation. <i>Angewandte Chemie</i> , 2006 , 118, 5430-5433	3.6	39
170	Chain length-dependent three-dimensional organization of molecular rods with flexible coils. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9677-8	16.4	39
169	Hydrogen-Bonding-Mediated Formation of Supramolecular Rod-Coil Copolymers Exhibiting Hexagonal Columnar and Bicontinuous Cubic Liquid Crystalline Assemblies. <i>Macromolecules</i> , 1999 , 32, 8531-8537	5.5	39
168	Reversible, Short Peptide Assembly for Controlled Capture and Selective Release of Enantiomers. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5773-6	16.4	39
167	Shape-directed assembly of a "macromolecular barb" into nanofibers: stereospecific cyclopolymerization of isopropylidene diallylmalonate. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3292-4	16.4	38
166	Tubular assembly of amphiphilic rigid macrocycle with flexible dendrons. <i>Chemical Communications</i> , 2005 , 1770-2	5.8	37
165	Guest-driven inflation of self-assembled nanofibers through hollow channel formation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16152-5	16.4	36
164	Supramolecular Nanotubules as a Catalytic Regulator for Palladium Cations: Applications in Selective Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11511-11514	16.4	36
163	Nanofibers with tunable stiffness from self-assembly of an amphiphilic wedge-coil molecule. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7195-8	16.4	36
162	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	5.5	36
161	Chiral assembly from achiral rod-coil molecules triggered by compression at the air-water interface. <i>Langmuir</i> , 2009 , 25, 5061-7	4	35
160	Tunable bacterial agglutination and motility inhibition by self-assembled glyco-nanoribbons. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 1363-9	4.5	35
159	Filamentous Artificial Virus from a Self-Assembled Discrete Nanoribbon. <i>Angewandte Chemie</i> , 2008 , 120, 4601-4604	3.6	35

158	Linear Rod-Coil Multiblock Oligomers with a Repeating Unit-Dependent Supramolecular Organization. <i>Macromolecules</i> , 2001 , 34, 1987-1995	5.5	35
157	Spontaneous Capture of Carbohydrate Guests through Folding and Zipping of Self-Assembled Ribbons. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2382-6	16.4	35
156	Folding of coordination polymers into double-stranded helical organization. <i>Chemistry - A European Journal</i> , 2008 , 14, 3883-8	4.8	34
155	Substrate-Driven Transient Self-Assembly and Spontaneous Disassembly Directed by Chemical Reaction with Product Release. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4182-4185	16.4	33
154	Designer nanorings with functional cavities from self-assembling β -sheet peptides. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 452-8	4.5	33
153	Solvent-assisted organized structures based on amphiphilic anion-responsive pi-conjugated systems. <i>Chemistry - A European Journal</i> , 2009 , 15, 3706-19	4.8	33
152	Differential self-assembly behaviors of cyclic and linear peptides. <i>Biomacromolecules</i> , 2012 , 13, 1991-5	6.9	32
151	Synthesis of poly(vinyl ether)s with perfluoroalkyl pendant groups. <i>Die Makromolekulare Chemie</i> , 1992 , 193, 275-284		32
150	Shape-persistent macromolecular disks from reactive supramolecular rod bundles. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12208-9	16.4	31
149	Self-organization of bent rod molecules into hexagonally ordered vesicular columns. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13871-80	16.4	30
148	Supramolecular helical columns from the self-assembly of chiral rods. <i>Chemistry - A European Journal</i> , 2008 , 14, 871-81	4.8	30
147	Supramolecular Capsules with Gated Pores from an Amphiphilic Rod Assembly. <i>Angewandte Chemie</i> , 2008 , 120, 4740-4744	3.6	30
146	Directional assembly of β -helical peptides induced by cyclization. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20270-2	16.4	29
145	Control of peptide assembly through directional interactions. <i>Chemical Communications</i> , 2012 , 48, 8481-3.8		29
144	Channel structures from self-assembled hexameric macrocycles in laterally grafted bent rod molecules. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17371-5	16.4	29
143	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	5.5	29
142	Impact of Positional Isomerism on Pathway Complexity in Aqueous Media. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5675-5682	16.4	29
141	Aqueous nanofibers with switchable chirality formed of self-assembled dumbbell-shaped rod amphiphiles. <i>Chemical Communications</i> , 2009 , 6819-21	5.8	28

- 140 Cell-Penetrating-Peptide-Coated Nanoribbons for Intracellular Nanocarriers. *Angewandte Chemie*, **2007**, 119, 3545-3548 3.6 28
- 139 Amphiphilic treelike rods at interfaces: layered stems and circular aggregation. *Langmuir*, **2005**, 21, 6392-48 28
- 138 Molecular Engineering of Liquid Crystal Polymers by Living Polymerization. VIII. Influence of Molecular Weight on the Phase Behavior of Poly {[4-(4-Cyano-4'-biphenyl)-oxy]alkyl Vinyl Ether}s with Ethyl, Propyl, and Butyl Alkyl Groups. *Journal of Macromolecular Science Part A, Chemistry*, **1991**, 28, 651-672 28
- 137 Cyclic peptide facial amphiphile preprogrammed to self-assemble into bioactive peptide capsules. *Chemistry - A European Journal*, **2010**, 16, 5305-9 4.8 27
- 136 Nanofibers from self-assembly of an aromatic facial amphiphile with oligo(ethylene oxide) dendrons. *Chemical Communications*, **2007**, 1801-3 5.8 27
- 135 Molecular Reorganizations of Rod-Coil Molecules on a Solid Surface. *Langmuir*, **2003**, 19, 495-499 4 27
- 134 From self-assembled toroids to dynamic nanotubules. *Polymer Chemistry*, **2013**, 4, 1300-1308 4.9 26
- 133 Self-Assembly of T-Shaped Aromatic Amphiphiles into Stimulus-Responsive Nanofibers. *Angewandte Chemie*, **2007**, 119, 6931-6934 3.6 26
- 132 Three-Dimensional Supramolecular Organization of Molecular Rods Depending on Coil Cross Section in Rod-Coil Molecules. *Macromolecules*, **2005**, 38, 10261-10265 5.5 26
- 131 Self-Organization of Main-Chain Rod-Coil Copolymers into Columnar and Bicontinuous Cubic Assemblies. *Macromolecules*, **1999**, 32, 7688-7691 5.5 26
- 130 Molecular engineering of liquid-crystalline polymers by living polymerization. Part 13. Synthesis and living cationic polymerization of (S)-[2-methylbutyl 4'-((vinylloxy)alkoxy)biphenyl-4-carboxylate with undecanyl and hexyl alkyl groups. *Journal of Materials Chemistry*, **1991**, 1, 611-619 26
- 129 Smart hydrogels from laterally-grafted peptide assembly. *Chemical Communications*, **2012**, 48, 8796-8 5.8 25
- 128 Induction of supramolecular chirality in self-assembled nanofibers triggered by environmental change. *Journal of Materials Chemistry*, **2011**, 21, 15327 25
- 127 Structural inversion in 3-D hexagonal organization of coil-rod-coil molecule. *Chemical Communications*, **2005**, 1197-9 5.8 25
- 126 Static and Dynamic Nanosheets from Selective Assembly of Geometric Macrocyclic Isomers. *Angewandte Chemie - International Edition*, **2016**, 55, 13122-13126 16.4 24
- 125 A cyclic RGD-coated peptide nanoribbon as a selective intracellular nanocarrier. *Organic and Biomolecular Chemistry*, **2008**, 6, 1944-8 3.9 24
- 124 Molecular engineering of liquid-crystalline polymers by living polymerization. Part 15. Molecular design of re-entrant nematic mesophases in binary copolymers of 4'-((vinylloxyalkoxy)biphenyl-4-yl cyanides. *Journal of Materials Chemistry*, **1991**, 1, 1007-1014 24
- 123 Toroidal nanostructures from self-assembly of block copolypeptides based on poly(L-arginine) and sheet peptide. *Macromolecular Rapid Communications*, **2011**, 32, 191-6 4.8 23

122	Assembling of dense fluorescent supramolecular webs via self-propelled star-shaped aggregates. <i>Nano Letters</i> , 2006 , 6, 435-40	11.5	23
121	Molecular reorganization of paired assemblies of T-shaped rod-coil amphiphilic molecule at the air-water interface. <i>Langmuir</i> , 2008 , 24, 3930-6	4	22
120	Stepped strips from self-organization of oligo(p-phenylene) rods with lateral dendritic chains. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14448-9	16.4	22
119	Solution Behavior of Dendrimer-Coated Rodlike Coordination Polymers. <i>Macromolecules</i> , 2008 , 41, 6066-6072	5.9	22
118	Dynamic light scattering from nematic monodomains containing mesogenic polymers of differing architectures. <i>Macromolecules</i> , 1992 , 25, 2151-2155	5.5	22
117	Supramolecular nanostructures from self-assembly of T-shaped rod building block oligomers. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 5021-5028	2.5	21
116	Switchable Nanoporous Sheets by the Aqueous Self-Assembly of Aromatic Macrobicycles. <i>Angewandte Chemie</i> , 2013 , 125, 6554-6557	3.6	21
115	Supramolecular crystalline sheets with ordered nanopore arrays from self-assembly of rigid-rod building blocks. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 6465-8	16.4	21
114	Polyoxometalate-Driven Self-Assembly of Short Peptides into Multivalent Nanofibers with Enhanced Antibacterial Activity. <i>Angewandte Chemie</i> , 2016 , 128, 2638-2641	3.6	21
113	Self-assembly of coordination polymers into multi-stranded nanofibers with tunable chirality. <i>Chemical Communications</i> , 2010 , 46, 1458-60	5.8	20
112	Toroid morphology by ABC-type amphiphilic rod-coil molecules at the air-water interface. <i>Langmuir</i> , 2008 , 24, 12340-6	4	20
111	Organization of Rigid WedgeFlexible Coil Block Copolymers into Liquid Crystalline Assembly. <i>Macromolecules</i> , 2005 , 38, 4226-4230	5.5	20
110	Synthesis and self-assembly of rod-coil molecules with n-shaped rod building block. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 1415-1422	2.5	19
109	Induction of Thermotropic Liquid Crystalline Phases in CoilRodCoil Triblock Molecules Containing Poly(propylene oxide) through Complexation with LiCF ₃ SO ₃ . <i>Chemistry of Materials</i> , 1998 , 10, 1894-1903	9.6	19
108	Molecular engineering of liquid crystal polymers by living polymerization. XI. Synthesis and characterization of poly{ 11-[(4-cyano-4'-trans-cyanostilbene) oxy] undecanyl vinyl ether}. <i>Journal of Polymer Science Part A</i> , 1991 , 29, 1615-1622	2.5	19
107	Autonomous helical propagation of active toroids with mechanical action. <i>Nature Communications</i> , 2019 , 10, 1080	17.4	18
106	Single-Layered Chiral Nanosheets with Dual Chiral Void Spaces for Highly Efficient Enantiomer Absorption. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11355-11359	16.4	18
105	Assembly-disassembly switching of self-sorted nanotubes forming dynamic 2-D porous heterostructure. <i>Chemical Communications</i> , 2018 , 54, 3102-3105	5.8	18

104	Interconversion of planar networks and vesicles triggered by temperature. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 975-9	4.8	18
103	Bioactive molecular sheets from self-assembly of polymerizable peptides. <i>Chemical Communications</i> , 2008 , 4001-3	5.8	18
102	Lateral Association of Cylindrical Nanofibers into Flat Ribbons Triggered by Molecular Glue \square <i>Angewandte Chemie</i> , 2008 , 120, 6475-6478	3.6	18
101	Liquid crystalline assemblies from self-doped polyanilines. <i>Synthetic Metals</i> , 1995 , 69, 101-104	3.6	18
100	Hexagonal columnar liquid-crystalline phase from a rod-coil molecule. <i>Chemical Communications</i> , 1996 , 1787-1788	5.8	18
99	Molecular engineering of liquid-crystalline polymers by living polymerization. Part 16. Tailor-made Sc* mesophase in copolymers of (S)-(<i>l</i> -2-methylbutyl 4-(Evinylalkoxy)biphenyl-4-carboxylate with undecanyl and octyl alkyl groups. <i>Journal of Materials Chemistry</i> , 1991 , 1, 1015-1022		18
98	Self-Assembly of n-Shaped Rod-Coil Molecules into Thermoresponsive Nanoassemblies: Construction of Reversible Helical Nanofibers in Aqueous Environment. <i>Macromolecules</i> , 2016 , 49, 5912-5920	5.5	18
97	Supramolecular capsules from bilayer membrane scission driven by corannulene. <i>Chemistry - A European Journal</i> , 2015 , 21, 5736-40	4.8	17
96	Self-Dissociating Tubules from Helical Stacking of Noncovalent Macrocycles. <i>Angewandte Chemie</i> , 2010 , 122, 8649-8653	3.6	17
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