

Goran Ungar

List of Publications by Year in descending order

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221
papers

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citations

17440

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243
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243
docs citations

243
times ranked

6911
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling polymer shape through the self-assembly of dendritic side-groups. <i>Nature</i> , 1998, 391, 161-164.	27.8	809
2	Supramolecular dendritic liquid quasicrystals. <i>Nature</i> , 2004, 428, 157-160.	27.8	585
3	Direct Visualization of Individual Cylindrical and Spherical Supramolecular Dendrimers. <i>Science</i> , 1997, 278, 449-452.	12.6	521
4	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
5	Giant Supramolecular Liquid Crystal Lattice. <i>Science</i> , 2003, 299, 1208-1211.	12.6	412
6	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
7	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
8	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
9	Structure of rotator phases in n-alkanes. <i>The Journal of Physical Chemistry</i> , 1983, 87, 689-695.	2.9	284
10	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
11	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
12	Designing Libraries of First Generation AB ₃ and AB ₂ Self-Assembling Dendrons via the Primary Structure Generated from Combinations of (AB) ₃ and (AB) ₂ Building Blocks. <i>Journal of the American Chemical Society</i> , 2004, 126, 6078-6094.	13.7	200
13	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
14	Frank-Kasper, quasicrystalline and related phases in liquid crystals. <i>Soft Matter</i> , 2005, 1, 95.	2.7	188
15	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
16	Learning Polymer Crystallization with the Aid of Linear, Branched and Cyclic Model Compounds. <i>Chemical Reviews</i> , 2001, 101, 4157-4188.	47.7	177
17	Order in the rotator phase of n-alkanes. <i>The Journal of Physical Chemistry</i> , 1985, 89, 1036-1042.	2.9	175
18	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

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19	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
20	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
21	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
22	A triple-network tricontinuous cubic liquid crystal. <i>Nature Materials</i> , 2005, 4, 562-567.	27.5	151
23	A supramolecular helix that disregards chirality. <i>Nature Chemistry</i> , 2016, 8, 80-89.	13.6	147
24	Liquid Crystalline Networks Composed of Pentagonal, Square, and Triangular Cylinders. <i>Science</i> , 2005, 307, 96-99.	12.6	143
25	Induction of Thermotropic Bicontinuous Cubic Phases in Liquid-Crystalline Ammonium and Phosphonium Salts. <i>Journal of the American Chemical Society</i> , 2012, 134, 2634-2643.	13.7	143
26	Mirror Symmetry Breaking by Chirality Synchronisation in Liquids and Liquid Crystals of Achiral Molecules. <i>ChemPhysChem</i> , 2016, 17, 9-26.	2.1	143
27	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
28	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
29	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
30	Time-resolved synchrotron X-ray study of chain-folded crystallization of long paraffins. <i>Polymer</i> , 1986, 27, 1835-1844.	3.8	130
31	Dynamic Mirror Symmetry Breaking in Bicontinuous Cubic Phases. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13115-13120.	13.8	127
32	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
33	3D Ordered Gold Strings by Coating Nanoparticles with Mesogens. <i>Advanced Materials</i> , 2009, 21, 1746-1750.	21.0	124
34	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
35	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
36	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

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37	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
38	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
39	Carbohydrate Rod Conjugates: A Ternary Rod-Coil Molecules Forming Complex Liquid Crystal Structures. <i>Journal of the American Chemical Society</i> , 2005, 127, 16578-16591.	13.7	112
40	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
41	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
42	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
43	Hollow Six-Stranded Helical Columns of a Helicene. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7837-7840.	13.8	102
44	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.	2.2	100
45	Complex Multicolor Tilings and Critical Phenomena in Tetraphilic Liquid Crystals. <i>Science</i> , 2011, 331, 1302-1306.	12.6	99
46	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.	13.7	98
47	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.	13.7	97
48	Self-Assembly in Action. <i>Science</i> , 2006, 313, 55-56.	12.6	96
49	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
50	Synthesis and NaOTf Mediated Self-Assembly of Monodendritic Crown Ethers. <i>Chemistry - A European Journal</i> , 2002, 8, 2011.	3.3	91
51	Self-Assembly at Different Length Scales: Polyphilic Star-Branched Liquid Crystals and Miktoarm Star Copolymers. <i>Advanced Functional Materials</i> , 2011, 21, 1296-1323.	14.9	91
52	Simple Cubic Packing of Gold Nanoparticles through Rational Design of Their Dendrimeric Corona. <i>Journal of the American Chemical Society</i> , 2012, 134, 808-811.	13.7	86
53	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
54	Polymorphic Ionic Mesogens of Silver(I): Ionic Materials Exhibiting a Thermotropic Cubic Mesophase. <i>Molecular Crystals and Liquid Crystals</i> , 1991, 206, 79-92.	0.7	82

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55	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.	13.7	82
56	Chain Unfolding in Single Crystals of Ultralong Alkane C390H782 and Polyethylene: An Atomic Force Microscopy Study. <i>Macromolecules</i> , 2003, 36, 5637-5649.	4.8	81
57	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.	4.8	77
58	From plastic-crystal paraffins to liquid-crystal polyethylene: continuity of the mesophase in hydrocarbons. <i>Macromolecules</i> , 1986, 19, 1317-1324.	4.8	73
59	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.	3.3	73
60	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.	13.7	70
61	Mesoscale Graphene-like Honeycomb Mono- and Multilayers Constructed via Self-Assembly of Cocusters. <i>Journal of the American Chemical Society</i> , 2018, 140, 1805-1811.	13.7	69
62	Ionic Switch Induced by a Rectangular to Hexagonal Phase Transition in Benzenammonium Columnar Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2015, 137, 13212-13215.	13.7	68
63	Liquid Crystalline Kagome. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9063-9066.	13.8	65
64	Deconstruction as a Strategy for the Design of Libraries of Self-Assembling Dendrons. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7002-7005.	13.8	64
65	Towards tobacco mosaic virus-like self-assembled supramolecular architectures. <i>Macromolecular Symposia</i> , 1994, 77, 237-265.	0.7	63
66	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.	5.4	62
67	Complex Liquid Crystalline Superstructure of a Conjugated Oligothiophene. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7856-7859.	13.8	62
68	Hydrogen bonded liquid crystals from nitrophenols and alkoxy stilbazoles. <i>Journal of Materials Chemistry</i> , 1997, 7, 883-891.	6.7	61
69	Liquid Crystals with Complex Superstructures. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4621-4625.	13.8	61
70	Axial-Bundle Phases - New Modes of 2D, 3D, and Helical Columnar Self-Assembly in Liquid Crystalline Phases of Bolaamphiphiles with Swallow Tail Lateral Chains. <i>Journal of the American Chemical Society</i> , 2011, 133, 4906-4916.	13.7	58
71	Hydrogen-bonded liquid crystals from alkoxy stilbazoles and 3-cyanophenols: structural control of mesomorphism. Molecular structure of the complex between 4-cyanophenol and 4-octyloxy stilbazole. <i>Journal of Materials Chemistry</i> , 1995, 5, 2195.	6.7	57
72	Liquid Quasicrystals. <i>Israel Journal of Chemistry</i> , 2011, 51, 1206-1215.	2.3	57

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73	Skeletal Cubic, Lamellar, and Ribbon Phases of Bundled Thermotropic Bolopolyphiles. <i>Journal of the American Chemical Society</i> , 2014, 136, 6846-6849.	13.7	57
74	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.	13.7	57
75	The Giant Hexagon Cylinder Network A Liquid-Crystalline Organization Formed by a Shaped Quaternary Amphiphile. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7972-7975.	13.8	56
76	Characterizing Size and Porosity of Hollow Nanoparticles: SAXS, SANS, TEM, DLS, and Adsorption Isotherms Compared. <i>Langmuir</i> , 2012, 28, 15350-15361.	3.5	54
77	A Self-Organized Anisotropic Liquid-Crystal Plasmonic Metamaterial. <i>Advanced Materials</i> , 2013, 25, 1999-2004.	21.0	53
78	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.	4.8	52
79	In situ synthesis of monoclinic β -Ga ₂ O ₃ nanowires on flexible substrate and solar-blind photodetector. <i>Journal of Alloys and Compounds</i> , 2019, 787, 133-139.	5.5	52
80	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.	3.3	51
81	Columnar Liquid Crystals in Cylindrical Nanoconfinement. <i>ACS Nano</i> , 2015, 9, 1759-1766.	14.6	51
82	X-Shaped polypholics: liquid crystal honeycombs with single-molecule walls. <i>Chemical Communications</i> , 2008, , 3861.	4.1	49
83	Luminescent Metallacycle-Cored Liquid Crystals Induced by Metal Coordination. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10143-10150.	13.8	49
84	Simultaneous x-ray/DSC study of mesomorphism in polymers with a semiflexible mesogen. <i>Macromolecules</i> , 1990, 23, 3411-3416.	4.8	48
85	Ionic conduction of lithium and magnesium salts within laminar arrays in a smectic liquid-crystal polymer electrolyte. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 2599.	1.7	48
86	One-Step Synthesis and Self-Assembly of Metal Oxide Nanoparticles into 3D Superlattices. <i>ACS Nano</i> , 2012, 6, 4382-4391.	14.6	48
87	Synthesis and phase behaviour of mesomorphic transition-metal complexes of alkoxydithiobenzoates. <i>Journal of Materials Chemistry</i> , 1991, 1, 843.	6.7	47
88	Lamellar structure of non-integer folded and extended long-chain n-alkanes by small-angle X-ray diffraction. <i>Polymer</i> , 1998, 39, 4523-4533.	3.8	47
89	Testing the triple network structure of the cubic $Im\bar{3}m$ (I) phase by isomorphous replacement and model refinement. <i>Journal of Materials Chemistry</i> , 2008, 18, 2953.	6.7	47
90	Control of anisotropic self-assembly of gold nanoparticles coated with mesogens. <i>Journal of Materials Chemistry</i> , 2012, 22, 11101.	6.7	47

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91	Formation of a Double Diamond Cubic Phase by Thermotropic Liquid Crystalline Self-Assembly of Bundled Bolaamphiphiles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8324-8327.	13.8	47
92	Rational Design of a Hexagonal Columnar Mesophase in Telechelic Alternating Multicomponent Semifluorinated Polyethylene Oligomers. <i>Macromolecules</i> , 1997, 30, 645-648.	4.8	46
93	The Triangular Cylinder Phase: A New Mode of Self-Assembly in Liquid-Crystalline Soft Matter. <i>Journal of the American Chemical Society</i> , 2007, 129, 9578-9579.	13.7	46
94	Ionic conduction of lithium, sodium and magnesium salts within organised smectic liquid crystal polymer electrolytes. <i>Electrochimica Acta</i> , 1998, 43, 1217-1224.	5.2	45
95	Smectic phases in a novel alkyl-substituted polyether and its complex with lithium tetrafluoroborate. <i>Macromolecular Rapid Communications</i> , 1994, 15, 961-969.	3.9	43
96	Planar Alignment of Columnar Discotic Liquid Crystals by Isotropic Phase Dewetting on Chemically Patterned Surfaces. <i>Advanced Functional Materials</i> , 2010, 20, 914-920.	14.9	42
97	Arrays of giant octagonal and square cylinders by liquid crystalline self-assembly of X-shaped polyphilic molecules. <i>Nature Communications</i> , 2012, 3, 1104.	12.8	42
98	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.	13.7	42
99	A New Type of Square Columnar Liquid Crystalline Phases Formed by Facial Amphiphilic Triblock Molecules. <i>Journal of the American Chemical Society</i> , 2004, 126, 8608-8609.	13.7	41
100	The growth of polymer crystals at the transition from extended chains to folded chains. <i>Journal of Chemical Physics</i> , 1994, 100, 640-648.	3.0	40
101	Structure and Formation of Noninteger and Integer Folded-Chain Crystals of Linear and Branched Monodisperse Ethylene Oligomers. <i>Macromolecules</i> , 1998, 31, 1875-1879.	4.8	40
102	Liquid-Crystal Engineering with Anchor-Shaped Molecules: Honeycombs with Hexagonal and Trigonal Symmetries Formed by Polyphilic Bent-Core Molecules. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6080-6083.	13.8	40
103	Influence of Flexible Spacers on Liquid-Crystalline Self-Assembly of T-Shaped Bolaamphiphiles. <i>Journal of the American Chemical Society</i> , 2011, 133, 7872-7881.	13.7	40
104	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.	13.7	40
105	Twist-bend nematic phase in biphenylethane-based copolyethers. <i>Soft Matter</i> , 2018, 14, 3003-3011.	2.7	40
106	The Trapezoidal Cylinder Phase: A New Mode of Self-Assembly in Liquid-Crystalline Soft Matter. <i>Journal of the American Chemical Society</i> , 2008, 130, 9666-9667.	13.7	39
107	Helically Twisted Chiral Arrays of Gold Nanoparticles Coated with a Cholesterol Mesogen. <i>Journal of the American Chemical Society</i> , 2015, 137, 12736-12739.	13.7	39
108	On the mesomorphism of hydrogen bonded complexes formed between decyloxystilbazole and phthalic acid. <i>Liquid Crystals</i> , 1996, 21, 585-587.	2.2	38

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109	A Self-Assembled Bicontinuous Cubic Phase with a Single-Diamond Network. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7375-7379.	13.8	38
110	The Solution of the Puzzle of Smectic-Q: The Phase Structure and the Origin of Spontaneous Chirality. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2835-2840.	13.8	35
111	Spontaneously chiral cubic liquid crystal: three interpenetrating networks with a twist. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5389-5398.	5.5	35
112	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.	0.4	34
113	Hierarchical Self-Organization of Chiral Columns from Chiral Supramolecular Spheres. <i>Journal of the American Chemical Society</i> , 2018, 140, 13478-13487.	13.7	34
114	Sequence-Defined Dendrons Dictate Supramolecular Cogwheel Assembly of Dendronized Perylene Bisimides. <i>Journal of the American Chemical Society</i> , 2019, 141, 15761-15766.	13.7	34
115	In Situ Solution Crystallization Study of n-C ₂₄ H ₄₉ : Self-Poisoning and Morphology of Polymethylene Crystals. <i>Macromolecules</i> , 2003, 36, 5214-5225.	4.8	33
116	Self-Organization of Bent Rod Molecules into Hexagonally Ordered Vesicular Columns. <i>Journal of the American Chemical Society</i> , 2012, 134, 13871-13880.	13.7	32
117	Zeolite-like liquid crystals. <i>Nature Communications</i> , 2015, 6, 8637.	12.8	32
118	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.	0.7	31
119	Siloxanes and carbosilanes as new building blocks for T-shaped bolaamphiphilic LC molecules. <i>Soft Matter</i> , 2009, 5, 1214.	2.7	31
120	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.	13.7	31
121	Liquid Organic Frameworks: The Single-Network "Plumber's Nightmare" Bicontinuous Cubic Liquid Crystal. <i>Journal of the American Chemical Society</i> , 2020, 142, 3296-3300.	13.7	31
122	Novel synthesis of calamitic and discotic liquid crystalline derivatives of tetrathiafulvalene (TTF). <i>Chemical Communications</i> , 1998, , 113-114.	4.1	30
123	Chain Tilt and Surface Disorder in Lamellar Crystals. A FTIR and SAXS Study of Labeled Long Alkanes. <i>Macromolecules</i> , 2002, 35, 7730-7741.	4.8	30
124	Polygonal Cylinder Phases of 3-Alkyl-2,5-diphenylthiophene-Based Bolaamphiphiles: Changing Symmetry by Retaining Net Topology. <i>Chemistry of Materials</i> , 2008, 20, 4729-4738.	6.7	30
125	2D and 3D Ordered Columnar Liquid Crystal Phases by Bundles of Bolaamphiphiles with Swallow-Tail Side Chains. <i>Journal of the American Chemical Society</i> , 2008, 130, 14922-14923.	13.7	29
126	Two- and Three-Dimensional Liquid-Crystal Phases from Axial Bundles of Rodlike Polyphiles: Segmented Cylinders, Crossed Columns, and Ribbons between Sheets. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10599-10602.	13.8	29

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127	Liquid-crystal polymers containing macroheterocyclic ligands. 5. Structure of the liquid crystal phases of poly[4-[(11-methacryloylundecan-1-yl)oxy]-4'-(4'-carboxybenzo-15-crown-5)biphenyl]. <i>Macromolecules</i> , 1991, 24, 1996-2002.	4.8	28
128	Self-tracking in solvent-free, low-dimensional polymer electrolyte blends with lithium salts giving high ambient DC conductivity. <i>Chemical Communications</i> , 2000, , 1459-1460.	4.1	27
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