

Oriano Francescangeli

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ferroelectric Response and Induced Biaxiality in the Nematic Phase of Bent-Core Mesogens. <i>Advanced Functional Materials</i> , 2009, 19, 2592-2600.	14.9	187
2	Insights into the cybotactic nematic phase of bent-core molecules. <i>Soft Matter</i> , 2010, 6, 2413.	2.7	149
3	Effects of light on molecular orientation of liquid crystals. <i>Journal of Physics Condensed Matter</i> , 1999, 11, R439-R487.	1.8	118
4	Dye-doped photorefractive liquid crystals for dynamic and storage holographic grating formation and spatial light modulation. <i>Proceedings of the IEEE</i> , 1999, 87, 1897-1911.	21.3	108
5	Crystal architecture and mesophase structure of long-chain N-alkylpyridinium tetrachlorometallates. <i>Inorganica Chimica Acta</i> , 2002, 338, 51-58.	2.4	102
6	New hybrid nanocomposites based on an organophilic clay and poly(styrene-b-butadiene) copolymers. <i>Journal of Materials Research</i> , 1997, 12, 3134-3139.	2.6	101
7	A2[MX4] Copper(II) Pyridinium Salts. From Ionic Liquids to Layered Solids to Liquid Crystals. <i>Chemistry of Materials</i> , 2001, 13, 2032-2041.	6.7	101
8	Cybotaxis dominates the nematic phase of bent-core mesogens: a small-angle diffuse X-ray diffraction study. <i>Soft Matter</i> , 2011, 7, 895-901.	2.7	100
9	Colossal optical nonlinearity in dye doped liquid crystals. <i>Optics Communications</i> , 2004, 233, 417-424.	2.1	96
10	Dye-doped liquid crystals as high-resolution recording media. <i>Optics Letters</i> , 1997, 22, 549.	3.3	92
11	Light-Induced Surface Sliding of the Nematic Director in Liquid Crystals. <i>Physical Review Letters</i> , 1999, 82, 1855-1858.	7.8	83
12	Photo-orientation of liquid crystals due to light-induced desorption and adsorption of dye molecules on an aligning surface. <i>Physical Review E</i> , 2001, 64, 051709.	2.1	80
13	Dinuclear cyclopalladated azobenzene complexes: a comparative study on model compounds for organometallic liquid-crystalline materials. <i>Applied Organometallic Chemistry</i> , 1999, 13, 565-581.	3.5	76
14	High resolution polarization gratings in liquid crystals. <i>Applied Physics Letters</i> , 1997, 71, 3613-3615.	3.3	70
15	Synthesis, Structure, and Thermotropic Mesomorphism of Layered N-Alkylpyridinium Tetrahalopalladate(II) Salts. <i>Chemistry of Materials</i> , 1998, 10, 1904-1913.	6.7	69
16	The cybotactic nematic phase of bent-core mesogens: state of the art and future developments. <i>Soft Matter</i> , 2014, 10, 7685-7691.	2.7	64
17	Fine Tuning of Lithographic Masks through Thin Films of PS- <i>b</i> -PMMA with Different Molar Mass by Rapid Thermal Processing. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7180-7188.	8.0	64
18	Extraordinary Magnetic Field Effect in Bent-Core Liquid Crystals. <i>Physical Review Letters</i> , 2011, 107, 207801.	7.8	62

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19	Uniaxial to biaxial nematic phase transition in a bent-core thermotropic liquid crystal by polarising microscopy. <i>Liquid Crystals</i> , 2012, 39, 19-23.	2.2	60
20	Hidden photoalignment of liquid crystals in the isotropic phase. <i>Physical Review E</i> , 2001, 63, 021701.	2.1	58
21	Hybrid nanocomposites based on polystyrene and a reactive organophilic clay. <i>Journal of Materials Science</i> , 1998, 33, 2883-2888.	3.7	57
22	Self-Organization of Dipolar 4,4'-Disubstituted 2,2'-Bipyridine Metal Complexes into Luminescent Lamellar Liquid Crystals. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 3649-3661.	2.0	57
23	Light amplification by dye-doped holographic polymer dispersed liquid crystals. <i>Applied Physics Letters</i> , 2004, 84, 4893-4895.	3.3	57
24	Lyotropic Liquid-Crystalline Nanosystems as Drug Delivery Agents for 5-Fluorouracil: Structure and Cytotoxicity. <i>Langmuir</i> , 2017, 33, 12369-12378.	3.5	56
25	Evidence of an inverted hexagonal phase in self-assembled phospholipid-DNA-metal complexes. <i>Europhysics Letters</i> , 2004, 67, 669-675.	2.0	53
26	Structure of the nematic mesophase with cybotactic groups in liquid-crystalline poly(urethane-ester)s. <i>Physical Review E</i> , 1997, 55, 481-487.	2.1	52
27	Banana-shaped 1,2,4-oxadiazoles. <i>Pramana - Journal of Physics</i> , 2003, 61, 239-248.	1.8	49
28	Low nematic onset temperatures and room temperature cybotactic behavior in 1,3,4-oxadiazole-based bent-core mesogens possessing lateral methyl groups. <i>Journal of Materials Chemistry</i> , 2012, 22, 22558.	6.7	49
29	Further results on cerium fluoride crystals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1993, 332, 373-394.	1.6	48
30	Susceptibility of dibutyl chitin and regenerated chitin fibres to deacylation and depolymerization by lipases. <i>Carbohydrate Polymers</i> , 2004, 56, 137-146.	10.2	44
31	Structure of self-assembled liposome-DNA-metal complexes. <i>Physical Review E</i> , 2003, 67, 011904.	2.1	43
32	Structural Studies on Layered Alkylpyridinium Iodopalladate Networks. <i>Inorganic Chemistry</i> , 2000, 39, 1187-1194.	4.0	40
33	Synthesis, Mesomorphism, and Spectroscopic Characterization of Bis[4-(n-alkoxy)-5-(p-n-tetradecylphenylazo)]-Substituted (N,N'-Salicylidenediaminato)nickel(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 1367-1372.	2.0	39
34	Wavelength flipping in laser emission driven by a switchable holographic grating. <i>Applied Physics Letters</i> , 2004, 84, 837-839.	3.3	39
35	Chitosans depolymerized with the aid of papain and stabilized as glycosylamines. <i>Carbohydrate Polymers</i> , 2002, 50, 69-78.	10.2	38
36	Blends of a polyetherimide and a liquid crystalline polymer: Fiber orientation and mechanical properties. <i>Journal of Applied Polymer Science</i> , 1991, 43, 839-844.	2.6	37

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37	Ionic metallomesogens. Lamellar mesophases in copper(I) azamacrocyclic complexes. <i>Chemistry of Materials</i> , 1994, 6, 70-76.	6.7	37
38	Alkaline chitosan solutions. <i>Carbohydrate Research</i> , 2003, 338, 2247-2255.	2.3	37
39	Evidence of Biaxial Order in the Cybotactic Nematic Phase of Bent-Core Mesogens. <i>Chemistry of Materials</i> , 2014, 26, 4671-4674.	6.7	37
40	The biaxial nematic phase of oxadiazole biphenol mesogens. <i>Liquid Crystals</i> , 2013, 40, 1655-1677.	2.2	36
41	LIGHT-INDUCED ADSORPTION AND DESORPTION IN DYNAMIC AND STABLE GRATING FORMATION IN METHYL-RED DOPED LIQUID CRYSTALS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2002, 11, 13-23.	1.8	33
42	Search for microscopic and macroscopic biaxiality in the cybotactic nematic phase of new oxadiazole bent-core mesogens. <i>Physical Review E</i> , 2016, 93, 062701.	2.1	32
43	Transition metals complexed to ordered mesophases. Synthesis, characterization, and mesomorphic properties of new potentially ferroelectric liquid crystals: chiral p,p'-dialkoxyazobenzenes and their cyclopalladated dinuclear complexes. <i>Chemistry of Materials</i> , 1993, 5, 883-890.	6.7	31
44	Thermally induced self-assembly of cylindrical nanodomains in low molecular weight PS- <i>b</i> -PMMA thin films. <i>Nanotechnology</i> , 2014, 25, 045301.	2.6	31
45	Induction of Mesomorphism Through Supramolecular Association in Coordination Pd (II) Compounds of Dialkyl 2,2'-Bipyridine-4,4'-Dicarboxylates. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 395, 325-335.	0.9	30
46	Strong graphene oxide nanocomposites from aqueous hybrid liquid crystals. <i>Nature Communications</i> , 2020, 11, 830.	12.8	30
47	Electric field effect on the phase diagram of a bent-core liquid crystal. <i>Soft Matter</i> , 2013, 9, 6475.	2.7	29
48	Evidence of Cybotactic Order in the Nematic Phase of a Main-Chain Liquid Crystal Polymer with Bent-Core Repeat Unit. <i>ACS Macro Letters</i> , 2014, 3, 91-95.	4.8	29
49	Mesomorphic 4'-functionalized 6'-phenyl-2,2'-bipyridines: tridentate ligands for organopalladium mesogens. <i>Liquid Crystals</i> , 1998, 24, 673-680.	2.2	28
50	Optical Properties of Polymer-dispersed Liquid Crystals. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2000, 45, 381-449.	3.4	27
51	Transition metals complexed to ordered mesophases. Synthesis and mesomorphic properties of cyclopalladated 4,4'-bis(hexyloxy)azoxybenzene complexed to N-(4-(dodecyloxy)salicylidene)-4'-alkylanilines. <i>Chemistry of Materials</i> , 1992, 4, 1119-1123.	6.7	26
52	Transition metals complexed to ordered mesophases. XIII. Synthesis and mesomorphic properties of potentially ferroelectric Schiff's base palladium(II) complexes. <i>Liquid Crystals</i> , 1993, 15, 331-344.	2.2	26
53	Transition metals complexed to ordered mesophases. Synthesis, mesomorphism, x-ray and EPR characterization of a homologous series of N-(4-dodecyloxysalicylidene)-4'-alkylanilines complexed to oxovanadium(IV). <i>Chemistry of Materials</i> , 1993, 5, 876-882.	6.7	26
54	Structure and Phase Behavior of Self-Assembled DPPC~DNA~Metal Cation Complexes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13203-13211.	2.6	26

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55	Synthesis and thermal behavior of liquid-crystalline block copolymers containing both main-chain and side-chain mesomorphic blocks. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 2247-2260.	2.2	24
56	Liquid Crystalline Poly(vinyl ether)s and Block Copoly(vinyl ether)s by Living Cationic Polymerization. <i>Macromolecules</i> , 1996, 29, 5111-5118.	4.8	23
57	X-ray investigations on a homologous series of N-(4-alkoxysalicylidene)-4-alkyl-anilines complexed to copper (II). <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1990, 12, 1363-1376.	0.4	22
58	Mesomorphic behaviour, single crystal and low angle variable temperature X-ray diffraction studies of the chloro-bridged cyclopalladated dimer obtained from 4,4-hexyloxyazobenzene. <i>Liquid Crystals</i> , 1996, 20, 67-76.	2.2	22
59	Self-assembled ternary complexes of neutral liposomes, deoxyribonucleic acid, and bivalent metal cations. Promising vectors for gene transfer?. <i>Applied Physics Letters</i> , 2006, 88, 073901.	3.3	22
60	Thermal and x-ray investigation on the coexisting smectic mesophases of a liquid crystalline side-chain polymer. <i>Macromolecules</i> , 1994, 27, 303-305.	4.8	21
61	On the thermal behaviour of palladium (II) macrocyclic polycatenars. <i>Liquid Crystals</i> , 1996, 21, 625-630.	2.2	21
62	The effects of lateral halogen substituents on the low-temperature cybotactic nematic phase in oxadiazole based bent-core liquid crystals. <i>Liquid Crystals</i> , 2015, 42, 1754-1764.	2.2	21
63	Polar order in bent-core nematics: An overview. <i>Journal of Molecular Liquids</i> , 2018, 267, 564-573.	4.9	21
64	An X-ray diffraction study of the different nematic mesophases of liquid-crystalline poly(urethane-ester)s. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 699-705.	2.1	20
65	Transition metals complexed in ordered mesophases. XV. Synthesis, characterization and mesomorphic properties of new potentially ferroelectric liquid crystals: Acetylacetonate <i>p,p'</i> -dialkoxyazobenzene mononuclear palladium(II) complexes. <i>Liquid Crystals</i> , 1994, 16, 373-380.	2.2	19
66	Metallomesogens. Synthesis and Mesomorphic Properties of 2-Hydroxy-4-n-Alkoxy-4'-n-Alkylazobenzenes Palladium(II) Complexes. <i>Chemistry of Materials</i> , 1994, 6, 1971-1977.	6.7	19
67	Sine: Surface Induced Nonlinear Effects. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 375, 641-650.	0.9	19
68	Micrometer-Scale Ordering of Silicon-Containing Block Copolymer Thin Films via High-Temperature Thermal Treatments. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9897-9908.	8.0	19
69	Light-induced molecular adsorption and reorientation at polyvinylcinnamate-fluorinated liquid-crystal interface. <i>Physical Review E</i> , 2005, 71, 011702.	2.1	18
70	Optical measurement of flow rate in a microfluidic channel. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	18
71	An almost free methyl quantum rotor in <i>p</i> -tert-butylcalix [4] arene(1:1)toluene. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 691-693.	2.7	15
72	X-ray investigations on the cyclopalladated mesogen Crystals, 1993, 13, 255-263.	2.2	15

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73	Surface reorientation induced by short light pulses in doped liquid crystals. <i>Optics Letters</i> , 2003, 28, 1621.	3.3	15
74	Effects of a cationic surfactant incorporation in phytantriol bulk cubic phases and dispersions loaded with the anticancer drug 5-fluorouracil. <i>Journal of Molecular Liquids</i> , 2019, 286, 110954.	4.9	15
75	Semi-flexible liquid crystalline polyesters based on twin di(p-oxybenzoyl) units X-ray study on smectic mesophase structures. <i>Liquid Crystals</i> , 1993, 13, 353-363.	2.2	14
76	Self-Assembled Liposome-DNA-Metal Complexes Related to DNA Delivery. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 434, 315/[643]-323/[651].	0.9	14
77	Laser emission based on first order reflection by novel composite polymeric gratings. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2012, 10, 140-145.	2.0	14
78	Theoretical reflectivities of bent crystal analyzers for fusion plasma diagnostics. <i>Review of Scientific Instruments</i> , 1990, 61, 3467-3472.	1.3	13
79	Crystal-field excitations and gap opening in Tm: YBa ₂ Cu ₄ O ₈ by inelastic neutron scattering. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 221, 227-236.	1.2	13
80	Synthesis and Liquid Crystalline Properties of New Thermotropic Polyurethanes. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 243, 135-147.	0.3	13
81	Semiflexible liquid-crystalline polyesters based on twin di(p-oxybenzoyl) units: synthesis and characterization. <i>Journal of Materials Chemistry</i> , 1992, 2, 449.	6.7	12
82	X-ray investigations on a homologous series of mesogenic azo compounds complexed with palladium (II). <i>Liquid Crystals</i> , 1995, 19, 241-249.	2.2	12
83	Correlated columnar phases: aroylhydrazinato nickel(II) complexes as novel discotics. <i>Inorganic Chemistry Communication</i> , 1999, 2, 255-257.	3.9	12
84	Light-Controlled Anchoring Energy in Nematic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 360, 193-201.	0.3	12
85	Compact Lasers Based on HPDLC Gratings. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 441, 97-109.	0.9	12
86	Thermotropic mesomorphism in penta- and hepta-coordinated metal complexes. <i>Liquid Crystals</i> , 2005, 32, 763-769.	2.2	12
87	Layered π -Substituted Alkylpyridinium Salts with Inorganic Anions: Effects of H-Bonding Patterns on the Layer Thickness. <i>Crystal Growth and Design</i> , 2005, 5, 163-166.	3.0	11
88	Detailed investigation of high-resolution reflection gratings through angular-selectivity measurements. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 471.	2.1	11
89	Metal Cation Induced Cubic Phase in Poly(ethylene glycol)-Functionalized Dioleoylphosphatidylethanolamine Aqueous Dispersions. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5276-5278.	2.6	11
90	Elliptical Small-Angle X-Ray Scattering Patterns from Aligned Lamellar Arrays. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 308-318.	2.1	11

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91	Methyl group tunnelling studies in calixarenes. <i>Physica B: Condensed Matter</i> , 1994, 202, 279-286.	2.7	10
92	Synthesis and liquid-crystalline properties of thermotropic poly(ester-urethane)s. <i>European Polymer Journal</i> , 1995, 31, 253-258.	5.4	10
93	Structure of solid-supported lipid-DNA-metal complexes investigated by energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2004, 397, 138-143.	2.6	10
94	Can Neutral Liposomes be Considered as Genetic Material Carriers for Human Gene Therapy?. <i>Mini-Reviews in Organic Chemistry</i> , 2011, 8, 38-48.	1.3	10
95	Molecular engineering room-temperature bent-core nematics. <i>Liquid Crystals</i> , 0, , 1-11.	2.2	10
96	Molecular ordering in the high-temperature nematic phase of an all-aromatic liquid crystal. <i>Soft Matter</i> , 2016, 12, 2309-2314.	2.7	10
97	A new class of compounds suited to study the torsional dynamics in the quantum regime: the calixarenes. <i>Chemical Physics Letters</i> , 1993, 201, 427-432.	2.6	9
98	Molecular tunnelling in p-tert-butylcalix[4]arene(2:1)p-xylene. <i>Molecular Physics</i> , 1994, 81, 609-619.	1.7	9
99	Extraordinary Field Sensitivity of Bent-Core Cybotactic Nematics. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 573, 46-53.	0.9	9
100	X-ray investigation of new isomeric oxadiazoles. , 1998, , .		9
101	Hybrid Liquid-Crystalline Block Copolymers I. Synthesis and Mesomorphic Behavior of Polyester-Polymethacrylate Block Copolymers. <i>Polymer Journal</i> , 1995, 27, 993-1001.	2.7	8
102	Hybrid Liquid-Crystalline Block Copolymers II. X-Ray Diffraction Analysis of Polyester-Polymethacrylate Block Copolymers. <i>Polymer Journal</i> , 1996, 28, 193-197.	2.7	8
103	Liquid Crystal Poly(glycidyl ether)s by Anionic Polymerization and Polymer-Analogous Reaction. <i>Polymer Journal</i> , 1999, 31, 913-919.	2.7	8
104	Insights into Biaxial Ordering of Bent-Core Nematics: X-Ray Diffraction Evidence. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 611, 171-179.	0.9	8
105	Biaxial ordering in the supercooled nematic phase of bent-core mesogens: effects of molecular symmetry and outer wing lateral groups. <i>Liquid Crystals</i> , 2020, 47, 1986-1998.	2.2	8
106	Feasibility of end to end phase shift correction from the outside of sealed cesium beam tubes. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1991, 40, 165-169.	4.7	7
107	Macrocyclic metallomesogens: thermotropic double-chained silver amphiphiles. <i>Journal of Materials Chemistry</i> , 1995, 5, 931.	6.7	7
108	X-RAY Diffraction Study of Dioleoylphosphatidylcholine-DNA-Mn ²⁺ Complexes. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 398, 259-267.	0.9	7

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109	Synchrotron Characterization of Hexagonal and Cubic Lipidic Phases Loaded with Azolate/Phosphane Gold(I) Compounds: A New Approach to the Uploading of Gold(I)-Based Drugs. <i>Nanomaterials</i> , 2020, 10, 1851.	4.1	7
110	Cubic and Hexagonal Mesophases for Protein Encapsulation: Structural Effects of Insulin Confinement. <i>Langmuir</i> , 2021, 37, 10166-10176.	3.5	7
111	X-ray diffraction study of the smectic mesophase of some azobenzene-containing polyacrylates. <i>Liquid Crystals</i> , 1993, 14, 981-990.	2.2	6
112	Transition Metals Complexed to Ordered Mesophases ¹ . Synthesis and Mesomorphic Properties of a Homologous Series of <i>N</i> -(4-Dodecyloxysalicylidene)-4-alkylanilines Complexed to Palladium(II). <i>Molecular Crystals and Liquid Crystals</i> , 1994, 250, 323-332.	0.3	6
113	Phase and Thermal Behavior of Liquid-Crystalline Block Copolymers. <i>Polymers for Advanced Technologies</i> , 1996, 7, 374-378.	3.2	6
114	<title>Optical nonlinearities of liquid crystals controlled by surfaces</title>. , 2001, , .		6
115	Ordering and director-field configuration in single droplets of liquid crystals probed by X-ray microdiffraction. <i>Europhysics Letters</i> , 2002, 59, 218-224.	2.0	6
116	Liquid crystal thermosets. A new class of high-performance materials. <i>Liquid Crystals</i> , 2020, 47, 2016-2026.	2.2	6
117	Comparative 2H NMR and X-Ray Diffraction Investigation of a Bent-Core Liquid Crystal Showing a Nematic Phase. <i>Crystals</i> , 2020, 10, 284.	2.2	6
118	Unpaired electron density in an indolinonic nitroxide radical as determined by polarized neutron diffraction. <i>Molecular Physics</i> , 1991, 74, 905-918.	1.7	5
119	Thermal and X-Ray Investigation of a New Mesophasic Semiflexible Polyester. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 215, 279-286.	0.3	5
120	Hybrid Liquid-Crystalline Block Copolymers with Polystyrene and Polyester Blocks. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 254, 429-443.	0.3	5
121	Synthesis and liquid-crystalline properties of polyacrylates containing prochiral sulfide substituents. <i>Polymer</i> , 1995, 36, 1261-1268.	3.8	5
122	Supramolecular ordering of bipolar lipids from Archaea in Langmuir-Blodgett films by low-angle X-ray diffraction. <i>Thin Solid Films</i> , 1996, 284-285, 459-463.	1.8	5
123	Pressure-induced stabilization of the smectic A* phase in a chiral polyacrylate. <i>Europhysics Letters</i> , 1996, 34, 501-506.	2.0	5
124	Laser Beam Modulation Freezing on a Liquid Crystal Surface. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 320, 69-76.	0.3	5
125	Heteroligand Palladium Complexes with One or Two Chiral Centres. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 372, 51-68.	0.9	5
126	EXAFS Study of the Liquid Crystalline Phase of the Cyclopalladated 4,4-bis(hexyloxy)azoxybenzene Acetylacetonate Complex. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 378, 77-88.	0.9	5

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127	Optical and mechanical shrinkage effects in dye-doped photonic bandgap structures based on organic materials. <i>Physical Review E</i> , 2006, 73, 011708.	2.1	5
128	DNA Condensation into Inverted Hexagonal Phase in Aqueous Dispersion of Poly(Ethylene)-Functionalized Dioleoylphosphatidylethanolamine and Metal Cations. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 500, 132-143.	0.9	5
129	Optical nonlinearity in the nematic phase of bent-core mesogens. <i>Optics Letters</i> , 2015, 40, 2953.	3.3	5
130	Dimensional sensitivity of end-to-end phase difference in ring terminated Ramsey cavities. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1993, 42, 448-452.	4.7	4
131	Droplet-size distribution gradient induced by laser curing in polymer dispersed liquid crystals. <i>Liquid Crystals</i> , 2001, 28, 1793-1798.	2.2	4
132	X-ray Microdiffraction Study of the Liquid Crystal Ordering in Confined Geometries. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 412, 59-67.	0.9	4
133	12-Crown-4-based amphipathic lipid and corresponding metal cation complexes for gene therapy applications: FT-IR characterization and surface charge determination. <i>Journal of Molecular Structure</i> , 2009, 919, 328-333.	3.6	4
134	RECENT DEVELOPMENTS IN NEMATOGENIC BENT-CORE MESOGENS: AN X-RAY DIFFRACTION PERSPECTIVE. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2011, 20, 485-499.	1.8	4
135	Nanostructure of Unconventional Liquid Crystals Investigated by Synchrotron Radiation. <i>Nanomaterials</i> , 2020, 10, 1679.	4.1	4
136	Dynamical diffraction of guided electromagnetic waves by two-dimensional periodic dielectric gratings. <i>Physical Review A</i> , 1991, 43, 6975-6989.	2.5	3
137	Small-angle neutron scattering study of the microstructure in container glass in correlation with workability problems. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993, 161, 157-163.	5.6	3
138	Gamma-ray focusing concentrators for astrophysical observations by crystal diffraction in Laue geometry. <i>Review of Scientific Instruments</i> , 1993, 64, 3467-3473.	1.3	3
139	LC Block Copolymers Containing Side-Chain and Main-Chain Blocks. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 261, 393-404.	0.3	3
140	The effects of hydrogen bonding on the liquid crystalline behavior of semiflexible poly(urethaneester)s. <i>Macromolecular Symposia</i> , 1997, 117, 275-280.	0.7	3
141	Mesophase structure and alignment under different fields of liquid crystalline main-chain/side-group block copolymers. <i>Macromolecular Symposia</i> , 1997, 121, 235-244.	0.7	3
142	Fe ²⁺ promoted peroxidation of 1,2-diacyl-sn-glycero-3-phosphocholine liposomes in the presence of calf thymus DNA. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3524.	2.8	3
143	An X-ray diffraction study of complexes of DNA and lactosyl-functionalised liposomes induced by bivalent metal cations: coexistence of different symmetries. <i>Liquid Crystals</i> , 2013, 40, 137-148.	2.2	3
144	Polarized neutron diffraction study of the spin density distribution in an indolinonic nitroxide radical. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 76-78.	2.7	2

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145	Dye-doped liquid crystals as high-resolution recording media: ferrata. Optics Letters, 1997, 22, 937.	3.3	2
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