

# Joseph E Maclennan

## List of Publications by Year in descending order

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140  
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6,511  
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87888

38  
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69250

77  
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144  
all docs

144  
docs citations

144  
times ranked

2711  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spontaneous Formation of Macroscopic Chiral Domains in a Fluid Smectic Phase of Achiral Molecules. <i>Science</i> , 1997, 278, 1924-1927.	12.6	1,176
2	Chiral heliconical ground state of nanoscale pitch in a nematic liquid crystal of achiral molecular dimers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15931-15936.	7.1	431
3	A Ferroelectric Liquid Crystal Conglomerate Composed of Racemic Molecules. <i>Science</i> , 2000, 288, 2181-2184.	12.6	328
4	Polarization-Modulated Smectic Liquid Crystal Phases. <i>Science</i> , 2003, 301, 1204-1211.	12.6	296
5	Chiral Isotropic Liquids from Achiral Molecules. <i>Science</i> , 2009, 325, 452-456.	12.6	250
6	Electro-optic Behavior of Liquid-Crystal-Filled Silica Opal Photonic Crystals: Effect of Liquid-Crystal Alignment. <i>Physical Review Letters</i> , 2001, 86, 4052-4055.	7.8	237
7	Twist-bend heliconical chiral nematic liquid crystal phase of an achiral rigid bent-core mesogen. <i>Physical Review E</i> , 2014, 89, 022506.	2.1	212
8	First-principles experimental demonstration of ferroelectricity in a thermotropic nematic liquid crystal: Polar domains and striking electro-optics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14021-14031.	7.1	174
9	Resonant Carbon $K$ -Edge Soft X-Ray Scattering from Lattice-Free Heliconical Molecular Ordering: Soft Dilative Elasticity of the Twist-Bend Liquid Crystal Phase. <i>Physical Review Letters</i> , 2016, 116, 147803.	7.8	157
10	Spontaneous Ferroelectric Order in a Bent-Core Smectic Liquid Crystal of Fluid Orthorhombic Layers. <i>Science</i> , 2011, 332, 72-77.	12.6	141
11	The case of thresholdless antiferroelectricity: polarization-stabilized twisted SmC* liquid crystals give V-shaped electro-optic response. <i>Journal of Materials Chemistry</i> , 1999, 9, 1257-1261.	6.7	125
12	Athermal photofluidization of glasses. <i>Nature Communications</i> , 2013, 4, 1521.	12.8	111
13	Director and layer structure of SSFLC cells. <i>Ferroelectrics</i> , 1988, 85, 79-97.	0.6	99
14	Spontaneous liquid crystal and ferromagnetic ordering of colloidal magnetic nanoplates. <i>Nature Communications</i> , 2016, 7, 10394.	12.8	94
15	Electrostatics and the electro-optic behaviour of chiral smectics C: 'block' polarization screening of applied voltage and 'V-shaped' switching. <i>Liquid Crystals</i> , 2000, 27, 985-990.	2.2	92
16	Electro-optic characteristics of de Vries tilted smectic liquid crystals: Analog behavior in the smectic A* and smectic C* phases. <i>Applied Physics Letters</i> , 2002, 80, 4097-4099.	3.3	92
17	Novel stripe textures in nonchiral hexatic liquid-crystal films. <i>Physical Review Letters</i> , 1992, 69, 2082-2085.	7.8	82
18	Simultaneous Observation of Electric Field Coupling to Longitudinal and Transverse Ferroelectricity in a Chiral Liquid Crystal. <i>Physical Review Letters</i> , 1996, 77, 2237-2240.	7.8	76

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19	Chirality-Preserving Growth of Helical Filaments in the B4 Phase of Bent-Core Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2011, 133, 12656-12663.	13.7	75
20	Director orientation in chevron surface-stabilized ferroelectric liquid crystal cells. Verification of orientational binding at the chevron interface using visible polarized light transmission spectroscopy. <i>Liquid Crystals</i> , 1990, 7, 753-785.	2.2	59
21	Photo-Reversible Liquid Crystal Alignment using Azobenzene-Based Self-Assembled Monolayers: Comparison of the Bare Monolayer and Liquid Crystal Reorientation Dynamics. <i>Langmuir</i> , 2010, 26, 17482-17488.	3.5	59
22	Director reorientation dynamics in chevron ferroelectric liquid crystal cells. <i>Liquid Crystals</i> , 1990, 7, 787-796.	2.2	58
23	Structure and dynamics of ferroelectric liquid crystal cells exhibiting thresholdless switching. <i>Physical Review E</i> , 2002, 65, 021708.	2.1	57
24	Method for characterizing self-assembled monolayers as antirelaxation wall coatings for alkali vapor cells. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	57
25	Orientalional bias of carbonyl groups in the chiral smectic C phase. <i>Ferroelectrics</i> , 1996, 180, 213-225.	0.6	56
26	Electric-Field-Induced Chirality Flipping in Smectic Liquid Crystals: The Role of Anisotropic Viscosity. <i>Physical Review Letters</i> , 2006, 96, 067802.	7.8	54
27	Nanoconfinement of guest materials by helical nanofilament networks of bent-core mesogens. <i>Soft Matter</i> , 2013, 9, 462-471.	2.7	51
28	Polar in-plane surface orientation of a ferroelectric nematic liquid crystal: Polar monodomains and twisted state electro-optics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	51
29	Spontaneous Director Rotation in Freely Suspended Ferroelectric Liquid-Crystal Films. <i>Europhysics Letters</i> , 1990, 13, 435-440.	2.0	48
30	Topographic-pattern-induced homeotropic alignment of liquid crystals. <i>Physical Review E</i> , 2009, 79, 041701.	2.1	46
31	Crossover between 2D and 3D Fluid Dynamics in the Diffusion of Islands in Ultrathin Freely Suspended Smectic Films. <i>Physical Review Letters</i> , 2010, 105, 268304.	7.8	46
32	Anticlinic Smectic-C Surfaces on Smectic-A Freely Suspended Liquid-Crystal Films. <i>Physical Review Letters</i> , 1999, 82, 2508-2511.	7.8	44
33	From The Cover: Giant-block twist grain boundary smectic phases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14191-14196.	7.1	43
34	Probing and Controlling Liquid Crystal Helical Nanofilaments. <i>Nano Letters</i> , 2015, 15, 3420-3424.	9.1	42
35	Nanophase segregation in binary mixtures of a bent-core and a rodlike liquid-crystal molecule. <i>Physical Review E</i> , 2010, 81, 011704.	2.1	41
36	Two-Dimensional Microrheology of Freely Suspended Liquid Crystal Films. <i>Physical Review Letters</i> , 2011, 107, 268301.	7.8	41

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37	Creation and structural comparison of ultrathin film assemblies: transferred freely suspended films and Langmuir-Blodgett films of liquid crystals. <i>Thin Solid Films</i> , 1992, 210-211, 504-507.	1.8	39
38	Interface structure of the dark conglomerate liquid crystal phase. <i>Soft Matter</i> , 2011, 7, 1879-1883.	2.7	39
39	Textures in hexatic films of nonchiral liquid crystals: Symmetry breaking and modulated phases. <i>Physical Review E</i> , 1994, 49, 3207-3224.	2.1	38
40	Structure of the B4 Liquid Crystal Phase near a Glass Surface. <i>ChemPhysChem</i> , 2012, 13, 155-159.	2.1	38
41	Solitary waves in ferroelectric liquid crystals. <i>Physical Review A</i> , 1986, 34, 3554-3557.	2.5	37
42	Ring-Pattern Dynamics in Smectic-C* and Smectic-CA* Freely Suspended Liquid Crystal Films. <i>Physical Review Letters</i> , 2000, 84, 5772-5775.	7.8	34
43	Topological Ferroelectric Bistability in a Polarization-Modulated Orthogonal Smectic Liquid Crystal. <i>Journal of the American Chemical Society</i> , 2012, 134, 9681-9687.	13.7	33
44	Diastereomeric liquid crystal domains at the mesoscale. <i>Nature Communications</i> , 2015, 6, 7763.	12.8	33
45	Pretransitional Orientational Ordering of a Calamitic Liquid Crystal by Helical Nanofilaments of a Bent-Core Mesogen. <i>Langmuir</i> , 2010, 26, 15541-15545.	3.5	30
46	Self-organization of bouncing oil drops: Two-dimensional lattices and spinning clusters. <i>Physical Review E</i> , 2007, 75, 056308.	2.1	29
47	Highly-ordered ultrathin lc multilayer films on solid substrates. <i>Advanced Materials</i> , 1991, 3, 617-619.	21.0	28
48	Device Applications of Ferroelectric Liquid Crystals: Importance of Polarization Charge Interactions. <i>Proceedings of SPIE</i> , 1989, , .	0.8	27
49	Giant surface electroclinic effect in a chiral smectic A liquid crystal. <i>Liquid Crystals</i> , 2001, 28, 117-123.	2.2	27
50	Transition moment orientation and rotational bias of three carbonyl groups in large polarization FLCs observed by polarized FTIR. <i>Liquid Crystals</i> , 2002, 29, 27-37.	2.2	27
51	Manipulation of Disk-Shaped Islands on Freely Suspended Smectic Films and Bubbles Using Optical Tweezers. <i>Ferroelectrics</i> , 2004, 310, 131-135.	0.6	27
52	Effect of high spontaneous polarization on defect structures and orientational dynamics of tilted chiral smectic freely suspended films. <i>Physical Review E</i> , 2005, 71, 021704.	2.1	27
53	Sub 100 Nanosecond Pretilted Planar-to-Homeotropic Reorientation of Nematic Liquid Crystals under High Electric Field. <i>Japanese Journal of Applied Physics</i> , 1998, 37, 2587-2589.	1.5	26
54	Unusual Thickness-Dependent Thermal Behavior and Anticlinic Coupling in Chiral Smectic Free-Standing Liquid-Crystal Films. <i>Physical Review Letters</i> , 2001, 86, 4048-4051.	7.8	26

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55	Unraveling the Mystery of "Thresholdless Antiferroelectricity": High Contrast Analog Electro-Optics in Chiral Smectic Liquid Crystals. Digest of Technical Papers SID International Symposium, 1999, 30, 409.	0.3	25
56	Organization of liquid crystals on submicron scale topographic patterns with fourfold symmetry prepared by thiolene photopolymerization-based nanoimprint lithography. Journal of Applied Physics, 2008, 103, .	2.5	25
57	Ideal mixing of paraelectric and ferroelectric nematic phases in liquid crystals of distinct molecular species. Liquid Crystals, 2022, 49, 1531-1544.	2.2	25
58	Freely suspended liquid crystal film transfer: A new method of creating thin smectic films on solid substrates. Applied Physics Letters, 1991, 59, 917-919.	3.3	24
59	Influence of ions on the "V-shaped" electro-optic response of ferroelectric liquid crystals. Physical Review E, 2001, 63, 031703.	2.1	24
60	Control of Molecular Orientation in Electrostatically Stabilized Ferroelectric Liquid Crystals. Physical Review Letters, 2003, 91, 175505.	7.8	24
61	Triclinic Fluid Order. Physical Review Letters, 2010, 104, 067801.	7.8	23
62	Orientalional order parameters of a de Vries "type ferroelectric liquid crystal obtained by polarized Raman spectroscopy and x-ray diffraction. Physical Review E, 2012, 85, 061703.	2.1	23
63	current near the de Vries smectic- $A$ and polarization $\langle \cos^2 \theta \rangle$ to smectic- $A$	2.1	23
64	Chiral Incommensurate Helical Phase in a Smectic of Achiral Bent-Core Mesogens. Physical Review Letters, 2019, 122, 107801.	7.8	21
65	Mutual Diffusion of Inclusions in Freely Suspended Smectic Liquid Crystal Films. Physical Review Letters, 2014, 113, 128304.	7.8	20
66	Polar electro-optic switching in droplets of an achiral nematic liquid crystal. Liquid Crystals, 1999, 26, 1555-1561.	2.2	19
67	Surface-Freezing Transitions and Novel Tilted Hexatic Phases in Smectic Liquid-Crystal Films. Physical Review Letters, 1997, 78, 2581-2584.	7.8	18
68	Transitions between paraelectric and ferroelectric phases of bent-core smectic liquid crystals in the bulk and in thin freely suspended films. Physical Review E, 2012, 86, 051701.	2.1	18
69	Visible polarized light transmission spectroscopy of the electro-optic switching behaviour of surface stabilized ferroelectric liquid crystal cells. Liquid Crystals, 1991, 10, 409-417.	2.2	17
70	Orientation Field Fracture in a Liquid Crystal: Metastable Anticlinic Molecular Tilt in Adjacent Layers in Smectic-CDOBAMBC and TFMHPOBC. Physical Review Letters, 1999, 83, 3665-3668.	7.8	17
71	Modeling dipolar and quadrupolar defect structures generated by chiral islands in freely suspended liquid crystal films. Physical Review E, 2009, 80, 041708.	2.1	17
72	Realization of hydrodynamic experiments on quasi-2D liquid crystal films in microgravity. Advances in Space Research, 2017, 60, 737-751.	2.6	17

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73	de Gennes' triclinic smectics "not so far-fetched after all. <i>Liquid Crystals</i> , 2009, 36, 1309-1317.	2.2	16
74	Effective conductivity due to continuous polarization reorientation in fluid ferroelectrics. <i>Physical Review E</i> , 2011, 84, 020701.	2.1	15
75	Experimental realization of an incompressible Newtonian fluid in two dimensions. <i>Physical Review E</i> , 2016, 93, 012706.	2.1	15
76	Supermolecular stereochemistry in ferroelectric liquid crystals. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 830-836.	1.9	14
77	Direct Measurement of Interaction Forces Between Islands on Freely Suspended Smectic C Films Using Multiple Optical Tweezers. <i>Ferroelectrics</i> , 2006, 344, 71-80.	0.6	14
78	$\nabla$ -shaped switching ferroelectric liquid crystal structure stabilized by dielectric surface layers. <i>Physical Review E</i> , 2008, 77, 031707.	2.1	14
79	Chiral random grain boundary phase of achiral hockey-stick liquid crystals. <i>Soft Matter</i> , 2014, 10, 9105-9109.	2.7	14
80	The hysteretic behavior of $\nabla$ -shaped switching smectic materials. <i>Ferroelectrics</i> , 2000, 246, 21-33.	0.6	13
81	Chiral Isotropic Sponge Phase of Hexatic Smectic Layers of Achiral Molecules. <i>ChemPhysChem</i> , 2014, 15, 1502-1507.	2.1	13
82	Solitary Waves in Ferroelectric Liquid Crystals. <i>Partially Ordered Systems</i> , 1992, , 151-190.	6.5	13
83	Electric-Field-Driven Deracemization. <i>ChemPhysChem</i> , 2007, 8, 170-174.	2.1	12
84	Effect of Concentration on the Photo-Orientation and Relaxation Dynamics of Self-Assembled Monolayers of Mixtures of an Azobenzene-Based Triethoxysilane with Octyltriethoxysilane. <i>Langmuir</i> , 2011, 27, 3336-3342.	3.5	12
85	Hydrodynamic interactions in freely suspended liquid crystal films. <i>Physical Review E</i> , 2016, 94, 052701.	2.1	12
86	Effect of Conformational Chirality on Optical Activity Observed in a Smectic of Achiral, Bent-Core Molecules. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6944-6950.	2.6	12
87	Direct observation of two-dimensional nematic and smectic ordering in freely suspended films of a bolaamphiphilic liquid crystal. <i>Soft Matter</i> , 2011, 7, 9978.	2.7	11
88	Phase Winding of a Nematic Liquid Crystal by Dynamic Localized Reorientation of an Azo-Based Self-Assembled Monolayer. <i>Langmuir</i> , 2014, 30, 9560-9566.	3.5	11
89	Field control of the surface electroclinic effect in chiral smectic-liquid crystals. <i>Physical Review E</i> , 2004, 69, 061716.	2.1	10
90	High Extinction Polarimeter for the Precision Measurement of the In-Plane Optical Anisotropy of Molecular Monolayers. <i>Langmuir</i> , 2010, 26, 11686-11689.	3.5	10

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91	Cooperative liquid-crystal alignment generated by overlaid topography. <i>Physical Review E</i> , 2011, 83, 051708.	2.1	10
92	Topography of bent-core liquid crystals at the air/liquid crystal interface. <i>Liquid Crystals</i> , 2013, 40, 1730-1735.	2.2	10
93	Field alignment of bent-core smectic liquid crystals for analog optical phase modulation. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	10
94	Structure and dynamics of a two-dimensional colloid of liquid droplets. <i>Soft Matter</i> , 2019, 15, 8156-8163.	2.7	10
95	Preparation and Thermal Behavior of Freely-Suspended and Transferred Films Composed of a Single Compound, the Liquid Crystal 707PP. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1991, 95, 1520-1525.	0.9	9
96	A molecular-dynamics simulation study of the switching dynamics of a nematic liquid crystal under an applied electrical field. <i>Journal of Chemical Physics</i> , 2002, 117, 9452-9459.	3.0	9
97	Spiral layer undulation defects in B7 liquid crystals. <i>Soft Matter</i> , 2013, 9, 11303.	2.7	9
98	Computer simulation of domain growth in ferroelectric liquid crystals. <i>Physical Review E</i> , 1995, 52, 3904-3914.	2.1	8
99	Biaxial model of the surface anchoring of bent-core smectic liquid crystals. <i>Physical Review E</i> , 2001, 64, 031706.	2.1	8
100	Nanoparticle Aggregation and Fractal Growth in Fluid Smectic Membranes. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 611, 14-20.	0.9	8
101	Two-dimensional island emulsions in ultrathin, freely-suspended smectic liquid crystal films. <i>Soft Matter</i> , 2017, 13, 6314-6321.	2.7	8
102	Coalescence of islands in freely suspended smectic films. <i>Physical Review Research</i> , 2021, 3, .	3.6	8
103	Thermal fluctuation effects in ferroelectric liquid-crystal polarization reversal: Light scattering from a transient domain-wall foam. <i>Physical Review A</i> , 1991, 44, 2543-2557.	2.5	7
104	Phase behavior of liquid-crystal films exhibiting the surface smectic-Lphase. <i>Physical Review E</i> , 1998, 57, 6757-6760.	2.1	7
105	Director structures in achiral smectic C liquid crystal cells: field-induced twist domain nucleation. <i>Liquid Crystals</i> , 2006, 33, 25-32.	2.2	7
106	Photodegradation of Azobenzene-Based Self-assembled Monolayers Characterized by In-Plane Birefringence. <i>Langmuir</i> , 2011, 27, 10407-10411.	3.5	7
107	Electro-optic response of the anticlinic, antiferroelectric liquid-crystal phase of a biaxial bent-core molecule with tilt angle near $45^\circ$ . <i>Physical Review E</i> , 2012, 85, 031704.	2.1	7
108	Manipulating the twist sense of helical nanofilaments of bent-core liquid crystals using rod-shaped, chiral mesogenic dopants. <i>Liquid Crystals</i> , 2016, 43, 1083-1091.	2.2	6

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109	Active microrheology of smectic membranes. <i>Physical Review E</i> , 2017, 95, 022702.	2.1	6
110	Freely suspended smectic films with in-plane temperature gradients. <i>New Journal of Physics</i> , 2019, 21, 063033.	2.9	6
111	A gas flow meter with linear sensitivity based on freely-suspended nanofilms of smectic liquid crystal. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	6
112	Optical Symmetry of Ferroelectric Liquid Crystal Cells. <i>Japanese Journal of Applied Physics</i> , 1990, 29, L2239-L2242.	1.5	5
113	Novel Stripe Textures in Nonchiral Hexatic Liquid-Crystal Films. <i>Physical Review Letters</i> , 1992, 69, 3267-3267.	7.8	5
114	Generalized dynamic domain shape calculation in ferroelectric liquid crystals. <i>Physical Review E</i> , 1996, 53, 6074-6079.	2.1	5
115	Dynamics of cis isomers in highly sensitive amino-azobenzene monolayers: The effect of slow relaxation on photo-induced anisotropy. <i>Journal of Applied Physics</i> , 2011, 109, 103521.	2.5	5
116	The heliconical nematic twist-bend phase from $\alpha$ -bent-core benzylideneanilines with oligomethylene cores. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 647, 430-438.	0.9	5
117	New amphiphilic terphenyl liquid crystals for the preparation of highly ordered ultrathin films. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991, 46, 313-319.	0.6	4
118	Spontaneous formation of horizontal chevrons in smectic-C* liquid crystals. <i>Applied Physics Letters</i> , 2001, 78, 1532-1534.	3.3	4
119	Aggregation-driven, re-entrant isotropic phase in a smectic liquid crystal material. <i>Liquid Crystals</i> , 2017, 44, 769-783.	2.2	4
120	New SmAPF Mesogens Designed for Analog Electrooptics Applications. <i>Materials</i> , 2017, 10, 1284.	2.9	4
121	Switching Dynamics And Structures Of Ferroelectric Liquid Crystals In The Surface Stabilized Geometry. <i>Proceedings of SPIE</i> , 1988, , .	0.8	3
122	Relating domain shape to growth velocity anisotropy: Inherent symmetry of the Wulff construction. <i>Physical Review E</i> , 1997, 56, 1833-1837.	2.1	3
123	Link, Maclellan, and Clark Reply:. <i>Physical Review Letters</i> , 2001, 86, 4975-4975.	7.8	2
124	Transient hexagonal structures in sheared emulsions of isotropic inclusions on smectic bubbles in microgravity conditions. <i>Scientific Reports</i> , 2021, 11, 19144.	3.3	2
125	Personal $\hat{c}$ omputer $\hat{c}$ based programmable temperature controller for general laboratory applications. <i>Review of Scientific Instruments</i> , 1985, 56, 775-775.	1.3	1
126	<title>V-shaped switching in ferroelectric liquid crystals</title>. , 1999, 3800, 136.		1



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127	Design of Smectic Liquid Crystal Phases Using Layer Interface Chirality. ACS Symposium Series, 2001, , 268-281.	0.5	1
128	Novel Thickness-Dependent Thermal Behavior and Anticlinic Coupling in Chiral Smectic Free-Standing Liquid-Crystal Films. Ferroelectrics, 2002, 277, 197-206.	0.6	1
129	Unusual Thickness-Dependent Thermal Behavior in Chiral Smectic Free-Standing Liquid-Crystal Films. Molecular Crystals and Liquid Crystals, 2004, 412, 393-400.	0.9	1
130	Scanned conical illumination as a probe of electro-optic retro-reflection. Optics Express, 2019, 27, 18383.	3.4	1
131	Education Liquid Crystal Outreach: The human Nematic Experiment. Liquid Crystals Today, 1997, 7, 11-11.	2.3	0
132	Surface-Freezing Transitions and Novel Tilted Hexatic Phases in Smectic Liquid-Crystal Thin Films. Molecular Crystals and Liquid Crystals, 1999, 330, 251-258.	0.3	0
133	<title>Ferroelectric smectic liquid crystals in the bent-core family: alignment for V-shaped analog switching</title>. , 1999, 3800, 21.		0
134	Antiferroelectric Liquid Crystals from Achiral Molecules And A Liquid Conglomerate. Materials Research Society Symposia Proceedings, 1999, 559, 3.	0.1	0
135	Design and synthesis of an achiral ferroelectric smectic liquid crystal. , 2011, , .		0
136	LCOPV Workshop Report. Liquid Crystals Today, 2011, 20, 95-97.	2.3	0
137	Frontiers of Soft Matter: a symposium held in honour of Noel Clark. Liquid Crystals, 2013, 40, 1591-1592.	2.2	0
138	SmAPf phase, its properties and potential dye alignment (Conference Presentation). , 2016, , .		0
139	Frustration between two- and three-dimensional smectic ordering leads to a biaxial nematic phase. Soft Matter, 2020, 16, 747-753.	2.7	0
140	In-line D-fiber electric field sensor using chiral liquid crystals. , 2006, , .		0