

# Noel A Clark

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

481  
papers

23,857  
citations

74  
h-index

136  
g-index

516  
ext. papers

25,262  
ext. citations

6.5  
avg, IF

6.53  
L-index

#	Paper	IF	Citations
481	Highly Stiff and Stretchable DNA Liquid Crystalline Organogels with Super Plasticity, Ultrafast Self-Healing, and Magnetic Response Behaviors. <i>Advanced Materials</i> , <b>2021</b> , e2106208	24	3
480	Mono- and bilayer smectic liquid crystal ordering in dense solutions of "gapped" DNA duplexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	2
479	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> , <b>2021</b> , 118,	11.5	15
478	Moving while you're stuck: a macroscopic demonstration of an active system inspired by binding-mediated transport in biology. <i>Soft Matter</i> , <b>2021</b> , 17, 2957-2962	3.6	3
477	Coalescence of islands in freely suspended smectic films. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	2
476	Surface alignment of ferroelectric nematic liquid crystals. <i>Soft Matter</i> , <b>2021</b> , 17, 8130-8139	3.6	7
475	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> , <b>2020</b> , 117, 14021-14031	11.5	55
474	Dendritic growth in a two-dimensional smectic E freely suspended film. <i>Molecular Systems Design and Engineering</i> , <b>2020</b> , 5, 815-819	4.6	1
473	End-to-end machine learning for experimental physics: using simulated data to train a neural network for object detection in video microscopy. <i>Soft Matter</i> , <b>2020</b> , 16, 1751-1759	3.6	8
472	Frustration between two- and three-dimensional smectic ordering leads to a biaxial nematic phase. <i>Soft Matter</i> , <b>2020</b> , 16, 747-753	3.6	
471	Unique two-way free-standing thermo- and photo-responsive shape memory azobenzene-containing polyurethane liquid crystal network. <i>Science China Materials</i> , <b>2020</b> , 63, 2590-2598 <sup>7.1</sup>	7.1	8
470	Freely suspended smectic films with in-plane temperature gradients. <i>New Journal of Physics</i> , <b>2019</b> , 21, 063033	2.9	4
469	Distinct differences in the nanoscale behaviors of the twist-bend liquid crystal phase of a flexible linear trimer and homologous dimer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 10698-10704	11.5	43
468	A gas flow meter with linear sensitivity based on freely-suspended nanofilms of smectic liquid crystal. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 163705	3.4	1
467	Chiral Incommensurate Helical Phase in a Smectic of Achiral Bent-Core Mesogens. <i>Physical Review Letters</i> , <b>2019</b> , 122, 107801	7.4	16
466	CdSe quantum dots in chiral smectic C matrix: experimental evidence of smectic layer distortion by small and wide angle X-ray scattering and subsequent effect on electro-optical parameters. <i>Liquid Crystals</i> , <b>2019</b> , 46, 376-385	2.3	16
465	Nanoconfined heliconical structure of twist-bend nematic liquid crystal phase. <i>Liquid Crystals</i> , <b>2019</b> , 46, 316-325	2.3	6

464	Molecular p-doping in organic liquid crystalline semiconductors: influence of the charge transfer complex on the properties of mesophase and bulk charge transport. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 18686-18698	3.6	4
463	Scanned conical illumination as a probe of electro-optic retro-reflection. <i>Optics Express</i> , <b>2019</b> , 27, 18383-18398	3.3	1
462	Structure and dynamics of a two-dimensional colloid of liquid droplets. <i>Soft Matter</i> , <b>2019</b> , 15, 8156-8163	3.6	7
461	Autonomous Catalytic Nanomotors Based on 2D Magnetic Nanoplates. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1267-1273	5.6	18
460	Chiral lyotropic chromonic liquid crystals composed of disodium cromoglycate doped with water-soluble chiral additives. <i>Soft Matter</i> , <b>2018</b> , 14, 1511-1516	3.6	16
459	Molecular weight dependence of carrier mobility and recombination rate in neat P3HT films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2018</b> , 56, 31-35	2.6	26
458	Backbone-free duplex-stacked monomer nucleic acids exhibiting Watson-Crick selectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E7658-E7664	11.5	23
457	Reconfigurable LC Elastomers: Using a Thermally Programmable Monodomain To Access Two-Way Free-Standing Multiple Shape Memory Polymers. <i>Macromolecules</i> , <b>2018</b> , 51, 5812-5819	5.5	57
456	Liquid Crystal Ordering of Four-Base-Long DNA Oligomers with Both G $\overline{C}$ and A $\overline{T}$ Pairing. <i>Crystals</i> , <b>2018</b> , 8, 5	2.3	10
455	A supramolecular hydrogel prepared from a thymine-containing artificial nucleolipid: study of assembly and lyotropic mesophases. <i>Soft Matter</i> , <b>2018</b> , 14, 7045-7051	3.6	9
454	Evidence of a first-order smectic-hexatic transition and its proximity to a tricritical point in smectic films. <i>Physical Review E</i> , <b>2018</b> , 98,	2.4	9
453	Nonenzymatic Polymerization into Long Linear RNA Templated by Liquid Crystal Self-Assembly. <i>ACS Nano</i> , <b>2018</b> , 12, 9750-9762	16.7	24
452	Highly Oriented Liquid Crystal Semiconductor for Organic Field-Effect Transistors. <i>ACS Central Science</i> , <b>2018</b> , 4, 1495-1502	16.8	20
451	Liquid crystal phase behavior of a DNA dodecamer and the chromonic dye Sunset Yellow. <i>Physical Review E</i> , <b>2018</b> , 98,	2.4	8
450	Active microrheology of smectic membranes. <i>Physical Review E</i> , <b>2017</b> , 95, 022702	2.4	3
449	Structural transitions and guest/host complexing of liquid crystal helical nanofilaments induced by nanoconfinement. <i>Science Advances</i> , <b>2017</b> , 3, e1602102	14.3	29
448	Realization of hydrodynamic experiments on quasi-2D liquid crystal films in microgravity. <i>Advances in Space Research</i> , <b>2017</b> , 60, 737-751	2.4	12
447	The heliconical nematic twist-bend phase from $\beta$ -bend-core benzylideneanilines with oligomethylene cores. <i>Molecular Crystals and Liquid Crystals</i> , <b>2017</b> , 647, 430-438	0.5	4

446	Effect of Conformational Chirality on Optical Activity Observed in a Smectic of Achiral, Bent-Core Molecules. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 6944-6950	3.4	10
445	Understanding the origin of liquid crystal ordering of ultrashort double-stranded DNA. <i>Physical Review E</i> , <b>2017</b> , 95, 032702	2.4	11
444	Aggregation-driven, re-entrant isotropic phase in a smectic liquid crystal material. <i>Liquid Crystals</i> , <b>2017</b> , 44, 769-783	2.3	3
443	New SmAP Mesogens Designed for Analog Electrooptics Applications. <i>Materials</i> , <b>2017</b> , 10,	3.5	2
442	High strain actuation liquid crystal elastomers via modulation of mesophase structure. <i>Soft Matter</i> , <b>2017</b> , 13, 7537-7547	3.6	72
441	Two-dimensional island emulsions in ultrathin, freely-suspended smectic liquid crystal films. <i>Soft Matter</i> , <b>2017</b> , 13, 6314-6321	3.6	4
440	Fabrication of Liquid Crystalline Polyurethane Networks with a Pendant Azobenzene Group to Access Thermal/Photoresponsive Shape-Memory Effects. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 24947-24954	9.5	33
439	Thiol-acrylate main-chain liquid-crystalline elastomers with tunable thermomechanical properties and actuation strain. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2017</b> , 55, 157-168	2.6	74
438	Liquid Crystal Ordering and Isotropic Gelation in Solutions of Four-Base-Long DNA Oligomers. <i>ACS Nano</i> , <b>2016</b> , 10, 8508-16	16.7	32
437	Spontaneous liquid crystal and ferromagnetic ordering of colloidal magnetic nanoplates. <i>Nature Communications</i> , <b>2016</b> , 7, 10394	17.4	73
436	Experimental realization of an incompressible Newtonian fluid in two dimensions. <i>Physical Review E</i> , <b>2016</b> , 93, 012706	2.4	12
435	Resonant Carbon K-Edge Soft X-Ray Scattering from Lattice-Free Helical Molecular Ordering: Soft Dilative Elasticity of the Twist-Bend Liquid Crystal Phase. <i>Physical Review Letters</i> , <b>2016</b> , 116, 147803	7.4	134
434	Controlling the volatility of the written optical state in electrochromic DNA liquid crystals. <i>Nature Communications</i> , <b>2016</b> , 7, 11476	17.4	31
433	Hydrodynamic interactions in freely suspended liquid crystal films. <i>Physical Review E</i> , <b>2016</b> , 94, 052701	2.4	10
432	Airflow-aligned helical nanofilament (B4) phase in topographic confinement. <i>Scientific Reports</i> , <b>2016</b> , 6, 29111	4.9	3
431	Phases and structures of sunset yellow and disodium cromoglycate mixtures in water. <i>Physical Review E</i> , <b>2016</b> , 93, 012704	2.4	11
430	Manipulating the twist sense of helical nanofilaments of bent-core liquid crystals using rod-shaped, chiral mesogenic dopants. <i>Liquid Crystals</i> , <b>2016</b> , 43, 1083-1091	2.3	5
429	Photoinduced and Thermal Relaxation in Surface-Grafted Azobenzene-Based Monolayers: A Molecular Dynamics Simulation Study. <i>Langmuir</i> , <b>2016</b> , 32, 4004-15	4	17

428	Challenges in the Structure Determination of Self-Assembled Metallacages: What Do Cage Cavities Contain, Internal Vapor Bubbles or Solvent and/or Counterions?. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6676-87	16.4	7
427	Diastereomeric liquid crystal domains at the mesoscale. <i>Nature Communications</i> , <b>2015</b> , 6, 7763	17.4	27
426	Physico-chemical confinement of helical nanofilaments. <i>Soft Matter</i> , <b>2015</b> , 11, 3653-9	3.6	15
425	Nanoparticle Aggregation and Fractal Growth in Fluid Smectic Membranes. <i>Molecular Crystals and Liquid Crystals</i> , <b>2015</b> , 611, 14-20	0.5	7
424	Multidimensional Helical Nanostructures in Multiscale Nanochannels. <i>Langmuir</i> , <b>2015</b> , 31, 8156-61	4	14
423	Evidence of liquid crystal-assisted abiotic ligation of nucleic acids. <i>Origins of Life and Evolution of Biospheres</i> , <b>2015</b> , 45, 51-68	1.5	15
422	Fisheye lens conoscopy. <i>Liquid Crystals</i> , <b>2015</b> , 42, 271-287	2.3	3
421	Solvent-free Liquid Crystals and Liquids from DNA. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 4898-903	4.8	28
420	Abiotic ligation of DNA oligomers templated by their liquid crystal ordering. <i>Nature Communications</i> , <b>2015</b> , 6, 6424	17.4	36
419	Field alignment of bent-core smectic liquid crystals for analog optical phase modulation. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 191101	3.4	8
418	Nucleation and growth of a helical nanofilament (B4) liquid-crystal phase confined in nanobowls. <i>Soft Matter</i> , <b>2015</b> , 11, 7778-82	3.6	7
417	Fluorescence confocal polarizing microscopy of a fluorescent bent-core liquid crystal exhibiting polarization splay modulated (B7) structures and defects. <i>ChemPhysChem</i> , <b>2015</b> , 16, 243-55	3.2	10
416	Polypeptides: Solvent-Free Liquid Crystals and Liquids Based on Genetically Engineered Supercharged Polypeptides with High Elasticity (Adv. Mater. 15/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 2410-2410	24	
415	Molecular structure of the discotic liquid crystalline phase of hexa-peri-hexabenzocoronene/oligothiophene hybrid and their charge transport properties. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 144505	3.9	19
414	Solvent-free liquid crystals and liquids based on genetically engineered supercharged polypeptides with high elasticity. <i>Advanced Materials</i> , <b>2015</b> , 27, 2459-65	24	29
413	Probing and controlling liquid crystal helical nanofilaments. <i>Nano Letters</i> , <b>2015</b> , 15, 3420-4	11.5	38
412	An electric-field-responsive discotic liquid-crystalline hexa-peri-hexabenzocoronene/oligothiophene hybrid. <i>Advanced Materials</i> , <b>2014</b> , 26, 2066-71	24	33
411	Orientation control over bent-core smectic liquid crystal phases. <i>Liquid Crystals</i> , <b>2014</b> , 41, 328-341	2.3	11

410	Orthogonal orientation of chromonic liquid crystals by rubbed polyamide films. <i>ChemPhysChem</i> , <b>2014</b> , 15, 1376-80	3.2	3
409	Ferroelectric and antiferroelectric odd-even behavior in a tricarbosilane-terminated liquid crystal homologous series. <i>Chemical Science</i> , <b>2014</b> , 5, 1869-1874	9.4	8
408	Chiral isotropic sponge phase of hexatic smectic layers of achiral molecules. <i>ChemPhysChem</i> , <b>2014</b> , 15, 1502-7	3.2	12
407	Charge generation measured for fullerene-helical nanofilament liquid crystal heterojunctions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 4823-30	9.5	29
406	Phase winding of a nematic liquid crystal by dynamic localized reorientation of an azo-based self-assembled monolayer. <i>Langmuir</i> , <b>2014</b> , 30, 9560-6	4	10
405	Multistep hierarchical self-assembly of chiral nanopore arrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 14342-7	11.5	49
404	Twist-bend heliconical chiral nematic liquid crystal phase of an achiral rigid bent-core mesogen. <i>Physical Review E</i> , <b>2014</b> , 89, 022506	2.4	181
403	Thermotropic liquid crystals from biomacromolecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 18596-600	11.5	46
402	Cybotactic behavior in the de Vries smectic-A* liquid-crystal structure formed by a silicon-containing molecule. <i>Physical Review E</i> , <b>2014</b> , 89, 032502	2.4	5
401	Mutual diffusion of inclusions in freely suspended smectic liquid crystal films. <i>Physical Review Letters</i> , <b>2014</b> , 113, 128304	7.4	17
400	Chiral random grain boundary phase of achiral hockey-stick liquid crystals. <i>Soft Matter</i> , <b>2014</b> , 10, 9105-9	3.6	13
399	Topography of bent-core liquid crystals at the air/liquid crystal interface. <i>Liquid Crystals</i> , <b>2013</b> , 40, 1730-1735	3.5	9
398	Spiral layer undulation defects in B7 liquid crystals. <i>Soft Matter</i> , <b>2013</b> , 9, 11303	3.6	9
397	Generalized Langevin-Debye model of the field dependence of tilt, birefringence, and polarization current near the de Vries smectic-A* to smectic-C* liquid crystal phase transition. <i>Physical Review E</i> , <b>2013</b> , 88, 062504	2.4	22
396	New ionic organic compounds containing a linear tris(imidazolium) core and their thermotropic liquid crystal behaviour. <i>Liquid Crystals</i> , <b>2013</b> , 40, 1067-1081	2.3	25
395	Orientation of chromonic liquid crystals by topographic linear channels: multi-stable alignment and tactoid structure. <i>Liquid Crystals</i> , <b>2013</b> , 40, 1736-1747	2.3	20
394	Nanoconfinement of guest materials by helical nanofilament networks of bent-core mesogens. <i>Soft Matter</i> , <b>2013</b> , 9, 462-471	3.6	48
393	Self-assembled hydrophobic surface generated from a helical nanofilament (B4) liquid crystal phase. <i>Soft Matter</i> , <b>2013</b> , 9, 2793	3.6	26

392	Inclusion compound based approach to arrays of artificial dipolar molecular rotors: bulk inclusions. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 1768-77	4.2	22
391	Propagation of chirality in mixtures of natural and enantiomeric DNA oligomers. <i>Physical Review Letters</i> , <b>2013</b> , 110, 107801	7.4	18
390	Athermal photofluidization of glasses. <i>Nature Communications</i> , <b>2013</b> , 4, 1521	17.4	100
389	Elementary building blocks of nematic disclination networks in densely packed 3D colloidal lattices. <i>Soft Matter</i> , <b>2013</b> , 9, 8203	3.6	14
388	A modulated helical nanofilament phase. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5254-7	16.4	35
387	Alignment of helical nanofilaments on the surfaces of various self-assembled monolayers. <i>Soft Matter</i> , <b>2013</b> , 9, 6185	3.6	34
386	Microscopic origins of first-order Sm-A-Sm-C phase behavior in de Vries smectic liquid crystals. <i>Physical Review E</i> , <b>2013</b> , 87, 050502	2.4	6
385	Three-dimensional textures and defects of soft material layering revealed by thermal sublimation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 19263-7	11.5	25
384	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> , <b>2013</b> , 110, 15931-6	11.5	368
383	A Modulated Helical Nanofilament Phase. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5362-5365	3.6	7
382	Structure of the B4 liquid crystal phase near a glass surface. <i>ChemPhysChem</i> , <b>2012</b> , 13, 155-9	3.2	35
381	Surface energetics of freely suspended fluid molecular monolayer and multilayer smectic liquid crystal films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 12873-7	11.5	9
380	Topological ferroelectric bistability in a polarization-modulated orthogonal smectic liquid crystal. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 9681-7	16.4	28
379	Transitions between paraelectric and ferroelectric phases of bent-core smectic liquid crystals in the bulk and in thin freely suspended films. <i>Physical Review E</i> , <b>2012</b> , 86, 051701	2.4	17
378	Dinuclear ortho-metallated palladium(II) azobenzene complexes with acetato and chloro bridges: Influence of polar substituents on the mesomorphic properties. <i>Journal of Organometallic Chemistry</i> , <b>2012</b> , 712, 20-28	2.3	14
377	Inclusion compound based approach to arrays of artificial dipolar molecular rotors. A surface inclusion. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10122-31	16.4	74
376	Alignment of the columnar liquid crystal phase of nano-DNA by confinement in channels. <i>Liquid Crystals</i> , <b>2012</b> , 39, 571-577	2.3	15
375	Temperature- and hydrogen-induced changes in the optical properties of Pd capped V thin films. <i>Physica Scripta</i> , <b>2012</b> , 86, 065702	2.6	3

374	Electro-optic response of the anticlinic, antiferroelectric liquid-crystal phase of a biaxial bent-core molecule with tilt angle near 45°. <i>Physical Review E</i> , <b>2012</b> , 85, 031704	2.4	6
373	Liquid crystal self-assembly of random-sequence DNA oligomers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 1110-5	11.5	54
372	Interface structure of the dark conglomerate liquid crystal phase. <i>Soft Matter</i> , <b>2011</b> , 7, 1879-1883	3.6	37
371	Spontaneous ferroelectric order in a bent-core smectic liquid crystal of fluid orthorhombic layers. <i>Science</i> , <b>2011</b> , 332, 72-7	33.3	125
370	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> , <b>2011</b> , 109, 103521	2.5	5
369	Orientation of a helical nanofilament (B4) liquid-crystal phase: topographic control of confinement, shear flow, and temperature gradients. <i>Advanced Materials</i> , <b>2011</b> , 23, 1962-7	24	38
368	Chirality-preserving growth of helical filaments in the B4 phase of bent-core liquid crystals. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 12656-63	16.4	67
367	Direct observation of two-dimensional nematic and smectic ordering in freely suspended films of a bolaamphiphilic liquid crystal. <i>Soft Matter</i> , <b>2011</b> , 7, 9978	3.6	11
366	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> , <b>2011</b> , 27, 3336-42	4	12
365	Photodegradation of azobenzene-based self-assembled monolayers characterized by in-plane birefringence. <i>Langmuir</i> , <b>2011</b> , 27, 10407-11	4	7
364	Two-dimensional microrheology of freely suspended liquid crystal films. <i>Physical Review Letters</i> , <b>2011</b> , 107, 268301	7.4	37
363	Cooperative liquid-crystal alignment generated by overlaid topography. <i>Physical Review E</i> , <b>2011</b> , 83, 051708	7.08	9
362	Effective conductivity due to continuous polarization reorientation in fluid ferroelectrics. <i>Physical Review E</i> , <b>2011</b> , 84, 020701	2.4	9
361	Ferroelectric behavior of orthogonal smectic phase made of bent-core molecules. <i>Physical Review E</i> , <b>2011</b> , 84, 031706	2.4	23
360	Three-dimensional structure and multistable optical switching of triple-twisted particle-like excitations in anisotropic fluids. <i>Nature Materials</i> , <b>2010</b> , 9, 139-45	27	209
359	Nanophase segregation in binary mixtures of a bent-core and a rodlike liquid-crystal molecule. <i>Physical Review E</i> , <b>2010</b> , 81, 011704	2.4	33
358	Triclinic fluid order. <i>Physical Review Letters</i> , <b>2010</b> , 104, 067801	7.4	21
357	Crossover between 2D and 3D fluid dynamics in the diffusion of islands in ultrathin freely suspended smectic films. <i>Physical Review Letters</i> , <b>2010</b> , 105, 268304	7.4	42

356	Organization of the polarization splay modulated smectic liquid crystal phase by topographic confinement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 21311-5	11.5	62
355	Synthesis and physical properties of a main-chain chiral smectic thiol-ene oligomer. <i>Liquid Crystals</i> , <b>2010</b> , 37, 325-334	2.3	9
354	Four-ring achiral unsymmetrical bent core molecules forming strongly fluorescent smectic liquid crystals with spontaneous polar and chiral ordered B7 and B1 phases. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7332		61
353	High extinction polarimeter for the precision measurement of the in-plane optical anisotropy of molecular monolayers. <i>Langmuir</i> , <b>2010</b> , 26, 11686-9	4	10
352	Liquid-crystal periodic zigzags from geometrical and surface-anchoring-induced confinement: origin and internal structure from mesoscopic scale to molecular level. <i>Physical Review E</i> , <b>2010</b> , 82, 041705	4	20
351	Pretransitional orientational ordering of a calamitic liquid crystal by helical nanofilaments of a bent-core mesogen. <i>Langmuir</i> , <b>2010</b> , 26, 15541-5	4	28
350	Photo-reversible liquid crystal alignment using azobenzene-based self-assembled monolayers: comparison of the bare monolayer and liquid crystal reorientation dynamics. <i>Langmuir</i> , <b>2010</b> , 26, 17482-8	4	52
349	Right-handed double-helix ultrashort DNA yields chiral nematic phases with both right- and left-handed director twist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 17497-502	11.5	84
348	Effect of microstructure on magnetic properties and anisotropy distributions in Co/Pd thin films and nanostructures. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	41
347	Modeling dipolar and quadrupolar defect structures generated by chiral islands in freely suspended liquid crystal films. <i>Physical Review E</i> , <b>2009</b> , 80, 041708	2.4	14
346	Chiral isotropic liquids from achiral molecules. <i>Science</i> , <b>2009</b> , 325, 452-6	33.3	224
345	On the origin of the "giant" electroclinic effect in a "de Vries"-type ferroelectric liquid crystal material for chirality sensing applications. <i>ChemPhysChem</i> , <b>2009</b> , 10, 890-2	3.2	18
344	A main-chain de vries smectic liquid crystal polymer prepared by hoveyda-grubbs catalyst initiated acyclic diene metathesis polymerization. <i>Macromolecular Rapid Communications</i> , <b>2009</b> , 30, 1894-9	4.8	9
343	Topographic-pattern-induced homeotropic alignment of liquid crystals. <i>Physical Review E</i> , <b>2009</b> , 79, 041701	4	43
342	de Gennes' triclinic smectics [hot so far-fetched after all. <i>Liquid Crystals</i> , <b>2009</b> , 36, 1309-1317	2.3	13
341	Helical nanofilament phases. <i>Science</i> , <b>2009</b> , 325, 456-60	33.3	259
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18	Inelastic light scattering from isotropic MBBA. <i>Journal of Chemical Physics</i> , <b>1975</b> , 63, 4133-4138	3.9	14
17	Inelastic light scattering from density fluctuations in dilute gases. II. Nonhydrodynamic behavior of a binary gas mixture. <i>Physical Review A</i> , <b>1975</b> , 12, 2092-2105	2.6	22
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9	Measurement of the Rotational Diffusion Coefficient of Lysozyme by Depolarized Light Scattering: Configuration of Lysozyme in Solution. <i>Journal of Chemical Physics</i> , <b>1971</b> , 54, 5158-5164	3.9	191
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3	Precision adiabatic scanning calorimetry of a nematic ferroelectric nematic phase transition. <i>Liquid Crystals</i> , 1-10	2.3	1
2	Synthesis of Graphyne using dynamic covalent chemistry		6
1	Ideal mixing of paraelectric and ferroelectric nematic phases in liquid crystals of distinct molecular species. <i>Liquid Crystals</i> , 1-14	2.3	1