

# Subbarao Krishna Prasad

## List of Publications by Year in descending order

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336  
papers

7,025  
citations

71102

41  
h-index

123424

61  
g-index

344  
all docs

344  
docs citations

344  
times ranked

4175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous nanocarbon particles drive large magnitude and fast photomechanical actuators. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 235-248.	9.1	9
2	Investigation of mesomorphic, photophysical and gelation behavior in aroylhydrazone based liquid crystals: Observation of mesophase crossover phenomena. <i>Journal of Molecular Liquids</i> , 2022, 346, 117084.	4.9	2
3	Enhanced luminescence, electric-field and actinic-light modulation of emission in nematic-CdSeS gradient nanocrystal composites by polymer confinement. <i>Journal of Molecular Liquids</i> , 2022, 347, 118004.	4.9	3
4	Polymers for confinement of liquid crystals: Influence of inorganic inclusions. , 2022, , 235-286.		0
5	Dynamics of the photo-thermo-mechanical actuations in NIR-dye doped liquid crystal polymer networks. <i>Soft Matter</i> , 2022, 18, 3358-3368.	2.7	8
6	Novel Data Analysis Techniques in Coronal Seismology. <i>Space Science Reviews</i> , 2022, 218, 1.	8.1	11
7	Solution-Processed hBN Film as an Alignment Layer for Liquid Crystal Devices: Realization of a Non-Polymer Approach for Unidirectional Alignment over Unprecedentedly Large Areas. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	2
8	Dielectric and viscoelastic investigations in a binary system of soft- and rigid-bent mesogens exhibiting the twist-bend nematic phase. <i>Journal of Molecular Liquids</i> , 2021, 323, 114987.	4.9	3
9	Liquid crystalline oxovanadium(IV) and copper(II) complexes of halogen-substituted salphen ligands: role of metal and spacer substituents. <i>Liquid Crystals</i> , 2021, 48, 902-914.	2.2	2
10	ITO-free large area PDLC smart windows: a cost-effective fabrication using spray coated SnO <sub>2</sub> on an invisible Al mesh. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23157-23168.	10.3	26
11	Compressive Oscillations in Hot Coronal Loops: Are Sloshing Oscillations and Standing Slow Waves Independent?. <i>Astrophysical Journal</i> , 2021, 914, 81.	4.5	6
12	Magnetohydrodynamic Waves in Open Coronal Structures. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	41
13	Metal-free C-H functionalization of pyrrolidine to pyrrolinium-based room temperature ionic liquid crystals. <i>New Journal of Chemistry</i> , 2021, 45, 8064-8071.	2.8	3
14	Chiral plasmonic liquid crystal gold nanoparticles: self-assembly into a circular dichroism responsive helical lamellar superstructure. <i>Nanoscale Advances</i> , 2021, 3, 2269-2279.	4.6	15
15	Influence of gold nanorods on the structure and photonic bandgap in a twist grain boundary phase with smectic C* blocks. <i>Journal of Molecular Liquids</i> , 2020, 299, 112117.	4.9	6
16	A chromospheric resonance cavity in a sunspot mapped with seismology. <i>Nature Astronomy</i> , 2020, 4, 220-227.	10.1	33
17	Conjunctive Photoluminescence Enhancement Through Plasmonic and Photonic Band-Gap Pathways in a Chiral Self-Assembled System. <i>ChemPhotoChem</i> , 2020, 4, 537-537.	3.0	0
18	Switchable smart windows using a biopolymer network of cellulose nanocrystals imposed on a nematic liquid crystal. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	12

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19	Impact of Photoisomerization on the One-Dimensional Fluid and Three-Dimensional Abrikosov-like Photonic Structures of Liquid Crystals. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13920-13929.	3.1	2
20	Gram-Scale Synthesis and Multifunctional Properties of a Two-Dimensional Layered Copper(II) Coordination Polymer. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1543-1552.	4.4	5
21	The fascinating world of Soft Materials. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	1
22	Photoisomerization-Driven Photoluminescence Modulation in CdSeS Gradient Quantum Dot/Liquid Crystal Nanocomposites. <i>ChemPhotoChem</i> , 2020, 4, 413-419.	3.0	1
23	Effect of alkoxy chain density on the mesogenic properties of aroylhydrazone based liquid crystals: synthesis, characterisation, photophysical and gelation behaviour. <i>Liquid Crystals</i> , 2020, 47, 1750-1761.	2.2	6
24	Dielectric and electro optic studies in the vicinity of the transition between two tilted hexatic phases of a ZnO-liquid crystal nanocomposite. <i>Journal of Molecular Liquids</i> , 2020, 302, 112508.	4.9	5
25	Effect of graphene flakes, titanium dioxide and zinc oxide nanoparticles on the birefringence, $\Delta n$ characteristics and photoluminescence properties of liquid crystal. <i>Journal of Molecular Liquids</i> , 2020, 302, 112571.	4.9	21
26	Evolution of supersonic downflows in a sunspot. <i>Astronomy and Astrophysics</i> , 2020, 636, A35.	5.1	12
27	Conjunctive Photoluminescence Enhancement Through Plasmonic and Photonic Band-Gap Pathways in a Chiral Self-Assembled System. <i>ChemPhotoChem</i> , 2020, 4, 582-591.	3.0	3
28	The Chromospheric Response to the Sunquake Generated by the X9.3 Flare of NOAA 12673. <i>Astrophysical Journal</i> , 2019, 881, 82.	4.5	9
29	Mechanochemical Synthesis and Temperature-Dependent Optical Properties of Thermo-chromic ( $\text{Ag}_{1-x}\text{Cu}_x\text{Hg}_2$ ). <i>Chemistry - an Asian Journal</i> , 2019, 14, 4641-4644.	3.3	3
30	Enhanced photoluminescence in a chiral nematic liquid crystal through polymer stabilization and an erasable 3-state memory device. <i>Journal of Molecular Liquids</i> , 2019, 292, 111338.	4.9	4
31	Synergistic Path for Dual Anisotropic and Electrically Switchable Emission From a Nanocomposite of $\text{CsPbBr}_3$ Quantum Cuboids and Nematic Liquid Crystal. <i>Crystals</i> , 2019, 9, 378.	2.2	4
32	Anisotropic Fast Electrically Switchable Emission from Composites of $\text{CsPbBr}_3$ Perovskite Quantum Cuboids in a Nematic Liquid Crystal. <i>Advanced Optical Materials</i> , 2019, 7, 1801408.	7.3	14
33	Fast Responsive Soft Bio-mimetic Robotic Actuators. <i>Materials Today: Proceedings</i> , 2019, 15, 300-308.	1.8	4
34	Effect of regioisomerism on the self-assembly, photophysical and gelation behavior of aroylhydrazone based polycatenars: Synthesis and characterization. <i>Journal of Molecular Liquids</i> , 2019, 289, 111133.	4.9	4
35	Suppression of the reentrant nematic and stabilization of the smectic phases by carbon nanotubes. <i>Journal of Molecular Liquids</i> , 2019, 286, 110858.	4.9	7
36	Thermal properties and structure of nematic liquid crystalline polymer nanocomposite with single wall carbon nanotubes. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0

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37	Statistical Signatures of Nanoflare Activity. I. Monte Carlo Simulations and Parameter-space Exploration. <i>Astrophysical Journal</i> , 2019, 871, 133.	4.5	23
38	UV light enhanced confined Fr�edericksz transition in photoisomerizable nematic nanocomposite with photoactive molecules of azobenzene nematic liquid crystal. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
39	Synthesis and self-assembly of aroylhydrazone based polycatenars: A structure-property correlation. <i>Journal of Molecular Liquids</i> , 2019, 284, 282-290.	4.9	18
40	Self-assembly of taper- and wedge-shaped maleimide derivatives: Synthesis and structure-property relationship. <i>Journal of Molecular Liquids</i> , 2019, 284, 765-772.	4.9	3
41	The Temperature-Dependent Damping of Propagating Slow Magnetoacoustic Waves. <i>Frontiers in Astronomy and Space Sciences</i> , 2019, 6, .	2.8	14
42	Grafting a mesomorphic Schiff base onto gold nanoparticle via ester link â€“ photoluminescence, mesomorphism, electrical conductivity and antioxidant activity. <i>Liquid Crystals</i> , 2019, 46, 609-617.	2.2	4
43	Influence of ZnO nanoparticles on the polarization, dielectric and electro-optic behaviour in the smectic C* and hexatic I* phases. <i>Journal of Molecular Liquids</i> , 2019, 275, 421-430.	4.9	5
44	Graphene-Augmented Polymer Stabilization: Drastically Reduced and Temperature-Independent Threshold and Improved Contrast Liquid Crystal Device. <i>ACS Omega</i> , 2019, 4, 403-411.	3.5	8
45	Photoluminescent nickel(II)-metallomesogens derived from salphen ligands: influence of halogens at the spacer on mesomorphism and emission properties. <i>Liquid Crystals</i> , 2019, 46, 872-883.	2.2	3
46	Novel tris-buffer based Schiff base bearing long flexible alkoxy arm and its lanthanide complexes: Mesomorphism and photoluminescence. <i>Journal of Molecular Structure</i> , 2019, 1180, 472-479.	3.6	9
47	Lead Kindly Light:Spectroscopy and the Periodic Table. <i>Current Science</i> , 2019, 117, 1967.	0.8	0
48	Nanocomposite of polymer liquid crystal/single wall carbon nanotubes: isothermal and non-isothermal phase kinetics. , 2019, , .		0
49	Transforming a <i>C</i><sub>3</sub>-Symmetrical Liquid Crystal to a Î€-Gelator by Alkoxy Chain Variation. <i>ACS Omega</i> , 2018, 3, 4392-4399.	3.5	14
50	Giant enhancement of photoluminescence and tertiary emission in a chiral nematic by matching photonic band gap and excitation wavelength. <i>Journal of Molecular Liquids</i> , 2018, 262, 354-362.	4.9	5
51	Substituted Aroylhydrazone Based Polycatenars: Tuning of Liquid Crystalline Self�Assembly. <i>ChemistrySelect</i> , 2018, 3, 4027-4037.	1.5	7
52	Columnar Self�Assembly of Electron�Deficient Dendronized <i>Bay</i>-Annulated Perylene Bisimides. <i>Chemistry - A European Journal</i> , 2018, 24, 3566-3575.	3.3	42
53	Effect of ZnO nanoparticles on the morphology, dielectric, electro-optic and photo luminescence properties of a confined ferroelectric liquid crystal material. <i>Journal of Molecular Liquids</i> , 2018, 250, 381-387.	4.9	26
54	Nanometer Confinement-Driven Promotion and Stabilization of a Hexatic Phase Intervening between Ordered Rotator Phases. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10953-10963.	2.6	2

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55	Nematic Liquid Crystals: Elastic Properties. , 2018, , .		0
56	The Polytropic Index of Solar Coronal Plasma in Sunspot Fan Loops and Its Temperature Dependence. Astrophysical Journal, 2018, 868, 149.	4.5	34
57	Confinement of an antiferroelectric liquid crystal in a polymer nanonetwork: thermal and dielectric behaviour. Bulletin of Materials Science, 2018, 41, 1.	1.7	0
58	Nanophase Segregation of Nanostructures: Induction of Smectic A and Re-Entrance in a Carbon Nanotube/Nematic Liquid Crystal Composite. Journal of Physical Chemistry B, 2018, 122, 10774-10781.	2.6	13
59	Confinement-driven radical change in a sequence of rotator phases: a study on <i>n</i> -octacosane. Physical Chemistry Chemical Physics, 2018, 20, 24345-24352.	2.8	8
60	Light-stimulated electro-optics by azo-doped aerosil/7CB nanocomposites. Opto-electronics Review, 2018, 26, 172-182.	2.4	1
61	A Statistical Study on the Frequency-dependent Damping of the Slow-mode Waves in Polar Plumes and Interplumes. Astrophysical Journal, 2018, 853, 134.	4.5	7
62	A soft-bent dimer composite exhibiting twist-bend nematic phase: Photo-driven effects and an optical memory device. Applied Physics Letters, 2018, 112, 253701.	3.3	22
63	Influence of terminal halogen moieties on the phase structure of short-core achiral hockey-stick-shaped mesogens: design, synthesis and structure-property relationship. Molecular Systems Design and Engineering, 2018, 3, 839-852.	3.4	17
64	The Magnetic Response of the Solar Atmosphere to Umbral Flashes. Astrophysical Journal, 2018, 860, 28.	4.5	34
65	Multifunctional Lanthanide Complexes: Mesomorphism, Photoluminescence and Second Order NLO Property. ChemistrySelect, 2018, 3, 8245-8251.	1.5	8
66	Triboelectric Nanogenerator Based on Biocompatible and Easily Available Polymer Films. ChemistrySelect, 2018, 3, 5055-5061.	1.5	14
67	Influence of zinc oxide nanorods on an orientationally ordered fluid comprising soft-bent dimers. Bulletin of Materials Science, 2018, 41, 1.	1.7	0
68	Hydrogen bond-driven columnar self-assembly of electroluminescent D <sub>6h</sub> configured cyanopyridones. Journal of Materials Chemistry C, 2018, 6, 7385-7399.	5.5	20
69	Full Stokes polarimetry using dual-frequency liquid crystals. , 2018, , .		2
70	UNRAVELLING THE COMPONENTS OF A MULTI-THERMAL CORONAL LOOP USING MAGNETOHYDRODYNAMIC SEISMOLOGY. Astrophysical Journal, 2017, 834, 103.	4.5	13
71	Effect of Pressure on Dielectric and Frank Elastic Constants of a Material Exhibiting the Twist Bend Nematic Phase. Journal of Physical Chemistry B, 2017, 121, 896-903.	2.6	7
72	Self-Assembling and Luminescent Properties of Chiral Bisoxadiazole Derivatives in Solution and Liquid-Crystalline Phases. Journal of Physical Chemistry B, 2017, 121, 1922-1929.	2.6	12

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73	Dielectric study of azo-doped aerosil/7CB nematic nanocomposite upon UV light. Journal of Physics: Conference Series, 2017, 780, 012009.	0.4	1
74	Viologen-Based Conjugated Covalent Organic Networks via Zincke Reaction. Journal of the American Chemical Society, 2017, 139, 9558-9565.	13.7	228
75	An Inside Look at Sunspot Oscillations with Higher Azimuthal Wavenumbers. Astrophysical Journal, 2017, 842, 59.	4.5	38
76	Investigation of liquid crystalline property of a new calamitic liquid crystalline system methyl 4-(4-((4-(4-(decyloxy)benzyloxy)benzylideneamino)benzoate. Liquid Crystals, 2017, 44, 1185-1193.	2.2	15
77	Influence of chirality on the thermal and electric properties of the columnar mesophase exhibited by homomeric dipeptides. Journal of Chemical Physics, 2017, 147, 134905.	3.0	2
78	Zinc(II)-salphen complexes bearing long alkoxy side arms: Synthesis, solvent dependent aggregation, and spacer group substituent effect on mesomorphism and photophysical property. Journal of Molecular Liquids, 2017, 246, 290-301.	4.9	14
79	The Frequency-dependent Damping of Slow Magnetoacoustic Waves in a Sunspot Umbral Atmosphere. Astrophysical Journal, 2017, 847, 5.	4.5	22
80	Mesomorphic Schiff base amine tethered giant gold nanoparticles. Liquid Crystals, 2017, 44, 2259-2266.	2.2	6
81	Carbon Nanotube Reinforced Polymer-Stabilized Liquid Crystal Device: Lowered and Thermally Invariant Threshold with Accelerated Dynamics. ACS Applied Materials & Interfaces, 2017, 9, 26622-26629.	8.0	17
82	Connector type-controlled mesophase structures in poly(propyl ether imine) dendritic liquid crystals of identical dendrimer generations. Journal of Polymer Science Part A, 2017, 55, 3665-3678.	2.3	8
83	Photoresponsive azo-doped aerosil/7CB nematic nanocomposites: the effect from concentration of the azobenzene photoactive agent. Journal of Physics: Conference Series, 2017, 794, 012037.	0.4	1
84	Role of the order parameter, electric field, and geometric confinement on the dynamics of the photoinduced Nematic-Isotropic transition. , 2017, , .		0
85	Liquid Crystals Under High Pressure. , 2016, , .		1
86	Molecular approach to phase transitions in a calamitic ester substituted aroylhydrazone liquid crystal. Journal of Raman Spectroscopy, 2016, 47, 1095-1101.	2.5	17
87	Photo-controllable electro-optics of aerosil/7CB nanocomposite nematic doped with azo-bonded molecules. Journal of Physics: Conference Series, 2016, 682, 012030.	0.4	2
88	TIME-DEPENDENT SUPPRESSION OF OSCILLATORY POWER IN EVOLVING SOLAR MAGNETIC FIELDS. Astrophysical Journal, 2016, 823, 45.	4.5	6
89	Photoluminescent discotic liquid crystals derived from tris( N -salicylideneaniline) and stilbene conjugates: Structure-property correlations. Dyes and Pigments, 2016, 132, 291-305.	3.7	29
90	In-plane modulated smectic $\tilde{A}_f$ vs smectic $\tilde{A}^*$ lamellar structures in poly(ethyl or propyl ether imine) dendrimers. Polymer, 2016, 86, 98-104.	3.8	2

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91	Reversible Polymorphism, Liquid Crystallinity, and Stimuli-Responsive Luminescence in a Bola-amphiphilic $\pi$ -System: Structure-Property Correlations Through Nanoindentation and DFT Calculations. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4086-4092.	4.6	22
92	Induction of Mesomorphism through Supramolecular Assembly in Metal Coordination Compounds of $\alpha$ -Salphen-Type Schiff Bases: Photoluminescence and Solvatochromism. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4604-4614.	2.0	18
93	THE EFFECTS OF TRANSIENTS ON PHOTOSPHERIC AND CHROMOSPHERIC POWER DISTRIBUTIONS. <i>Astrophysical Journal</i> , 2016, 828, 23.	4.5	4
94	Influence of virtual surfaces on Frank elastic constants in a polymer-stabilized bent-core nematic liquid crystal. <i>Physical Review E</i> , 2016, 93, 042706.	2.1	9
95	Photo-driven change in the polar environment tunes gelation in a nematic liquid crystal. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11313-11320.	5.5	9
96	Effect of Atomic-Scale Differences on the Self-Assembly of Thiophene-Based Polycatenars in Liquid Crystalline and Organogel States. <i>Chemistry - A European Journal</i> , 2016, 22, 17843-17856.	3.3	23
97	Large reduction in the magnitude and thermal variation of Frank elastic constants in a gold nanorod/nematic composite. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 425304.	2.8	4
98	Observation of exceptional $\sim$ de Vries-like <sup>TM</sup> properties in a conventional aroylhydrazone based liquid crystal. <i>RSC Advances</i> , 2016, 6, 57799-57802.	3.6	6
99	Iron(III) metallomesogen of [N2O2] donor Schiff base ligand containing 4-substituted alkoxy chains. <i>Liquid Crystals</i> , 2016, 43, 1606-1615.	2.2	7
100	Binary System Exhibiting the Nematic to Twist-Bend Nematic Transition: Behavior of Permittivity and Elastic Constants. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5056-5062.	2.6	25
101	Solar coronal magnetic fields derived using seismology techniques applied to omnipresent sunspot waves. <i>Nature Physics</i> , 2016, 12, 179-185.	16.7	77
102	Electro-optic modulation by silica-nanostructured nematic system (aerosil/7CB nanocomposite). <i>Composites Part B: Engineering</i> , 2016, 90, 471-477.	12.0	10
103	Diminished Splay Stiffening in Weak Gels of Calamitic Bent-Core Nematic Composites. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2596-2603.	2.6	1
104	Photoluminescent tetrahedral d <sup>10</sup> -metal Schiff base complexes exhibiting highly ordered mesomorphism. <i>Polyhedron</i> , 2016, 105, 150-158.	2.2	9
105	ON THE SOURCE OF PROPAGATING SLOW MAGNETOACOUSTIC WAVES IN SUNSPOTS. <i>Astrophysical Journal Letters</i> , 2015, 812, L15.	8.3	41
106	Fast Photoluminescence Switching in the Nematic Phase of Calamitic Discotic Composites. <i>Advanced Optical Materials</i> , 2015, 3, 1116-1124.	7.3	9
107	Propagating disturbances along fan-like coronal loops in an active region. <i>Research in Astronomy and Astrophysics</i> , 2015, 15, 1832-1842.	1.7	6
108	Columnar self-assembly of star-shaped luminescent oxadiazole and thiadiazole derivatives. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2940-2952.	5.5	79

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109	Optically active, three-ring calamitic liquid crystals: the occurrence of frustrated, helical and polar fluid mesophases. <i>New Journal of Chemistry</i> , 2015, 39, 2011-2027.	2.8	20
110	Enhancement of electrical conductivity of a liquid crystal-gold nanoparticle composite by a gel network of aerosil particles. <i>Applied Physics Letters</i> , 2015, 106, 083110.	3.3	21
111	Effect of regioisomerism on the self-assembly and photophysical behavior of 1,3,4-thiadiazole-based polycatenars. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8166-8182.	5.5	40
112	Flexo-Dielectro-Optical Spectroscopy as a Method of Studying Nanostructured Nematic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 610, 51-62.	0.9	7
113	Tuning the thermotropic properties of liquid crystalline p-substituted aroylhydrazones. <i>RSC Advances</i> , 2015, 5, 44274-44281.	3.6	16
114	Self-assembly of luminescent N-annulated perylene tetraesters into fluid columnar phases. <i>Soft Matter</i> , 2015, 11, 3629-3636.	2.7	44
115	Synthesis and aggregation behaviour of luminescent mesomorphic zinc( $\text{Zn}^{2+}$ ) complexes with $\text{Zn}^{\text{II}}$ -salen <sup>TM</sup> type asymmetric Schiff base ligands. <i>Dalton Transactions</i> , 2015, 44, 7477-7488.	3.3	38
116	Propagating disturbances along a coronal loop from simultaneous EUV imaging and spectroscopic observations. <i>Research in Astronomy and Astrophysics</i> , 2015, 15, 1027-1035.	1.7	1
117	Dielectric properties of anti-ferroelectric B phase of bent core liquid crystal. <i>Journal of Molecular Liquids</i> , 2015, 212, 127-132.	4.9	3
118	Anchoring transition driven by short range ordering in calamitic-discotic composites. <i>Thermochimica Acta</i> , 2015, 616, 61-68.	2.7	3
119	DYNAMICS OF ON-DISK PLUMES AS OBSERVED WITH THE INTERFACE REGION IMAGING SPECTROGRAPH, THE ATMOSPHERIC IMAGING ASSEMBLY, AND THE HELIOSEISMIC AND MAGNETIC IMAGER. <i>Astrophysical Journal</i> , 2015, 807, 71.	4.5	24
120	Thin films of silica nanoparticle doped nematic liquid crystal 7CB for electro-optic modulation. <i>Photonics Letters of Poland</i> , 2015, 7, .	0.4	2
121	Photo-driven giant reduction of the Frank elastic constants in a bent-core nematic liquid crystal. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	13
122	Viscoelastic Behavior of a Binary System of Strongly Polar Bent-Core and Rodlike Nematic Liquid Crystals. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14526-14535.	2.6	14
123	A charge transfer complex nematic liquid crystalline gel with high electrical conductivity. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	8
124	A photo-driven dual-frequency addressable optical device of banana-shaped molecules. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	11
125	FREQUENCY-DEPENDENT DAMPING IN PROPAGATING SLOW MAGNETO-ACOUSTIC WAVES. <i>Astrophysical Journal</i> , 2014, 789, 118.	4.5	52
126	Enhancement of electrical conductivity, dielectric anisotropy and director relaxation frequency in composites of gold nanoparticle and a weakly polar nematic liquid crystal. <i>RSC Advances</i> , 2014, 4, 4453-4462.	3.6	63



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127	Influence of polarization-tilt coupling on the ferroelectric properties of smectic gels. <i>Soft Matter</i> , 2014, 10, 5905-5915.	2.7	6
128	Influence of polymer stabilization on the dielectric relaxations of an antiferroelectric liquid crystal. <i>RSC Advances</i> , 2014, 4, 3121-3130.	3.6	8
129	New 4-(2-(4-alkoxyphenyl)-6-methoxypyridin-4-yl)benzonitriles: synthesis, liquid crystalline behavior and photo physical properties. <i>CrystEngComm</i> , 2014, 16, 5573-5582.	2.6	20
130	Supergelation via Purely Aromatic $\pi$ -Driven Self-Assembly of Pseudodiscotic Oxadiazole Mesogens. <i>Journal of the American Chemical Society</i> , 2014, 136, 5416-5423.	13.7	52
131	Periodically Clickable Polyesters: Study of Intrachain Self-Segregation Induced Folding, Crystallization, and Mesophase Formation. <i>Journal of the American Chemical Society</i> , 2014, 136, 2538-2545.	13.7	54
132	Competition between Anisometric and Aliphatic Entities: An Unusual Phase Sequence with the Induction of a Phase in an <i>n</i> -Alkane-Liquid Crystal Binary System. <i>Langmuir</i> , 2014, 30, 4465-4473.	3.5	6
133	Tunable Emissive Lanthanidomesogen Derived from a Room-Temperature Liquid-Crystalline Schiff-Base Ligand. <i>Chemistry - A European Journal</i> , 2013, 19, 13151-13159.	3.3	17
134	Novel columnar calamitic phase sequences in a binary system of bent-core and rod-like mesogens. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7488.	5.5	14
135	Observation of a chiral smectic C phase over a wide thermal range with novel phase sequences in rigid, bulky chiral dimers. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5799.	5.5	9
136	Anomalous dielectric behavior in the nematic and isotropic phases of a strongly polar-weakly polar binary system. <i>Phase Transitions</i> , 2013, 86, 454-462.	1.3	3
137	Self-Assembly of Hekates-Tris( <i>N</i> -salicylideneaniline)s into Columnar Structures: Synthesis and Characterization. <i>Journal of Organic Chemistry</i> , 2013, 78, 527-544.	3.2	69
138	Variation of Emission Line Width in Mid- and High-Latitude Corona. <i>Solar Physics</i> , 2013, 282, 427-442.	2.5	5
139	Anchoring Transition Induced by Gelation in a Liquid Crystal System. <i>ChemPhysChem</i> , 2013, 14, 331-337.	2.1	6
140	Self-Assembled Pentacenequinone Derivative for Trace Detection of Picric Acid. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 672-679.	8.0	191
141	Unsymmetrical tetracatenar liquid crystals containing 2-phenylbenzoxazole: Synthesis and characterisation. <i>Liquid Crystals</i> , 2013, 40, 305-313.	2.2	17
142	Structural Characterization and Molecular Order of Rodlike Mesogens with Three- and Four-Ring Core by XRD and <sup>13</sup> C NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5718-5729.	2.6	22
143	Dual frequency conductivity switching in a carbon nanotube/liquid crystal composite. <i>Carbon</i> , 2013, 59, 512-517.	10.3	28
144	Dynamics of Coronal Bright Points as Seen by Sun Watcher Using Active Pixel System Detector and Image Processing (SWAP), Atmospheric Imaging Assembly (AIA), and Helioseismic and Magnetic Imager (HMI). <i>Solar Physics</i> , 2013, 286, 125-142.	2.5	19

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145	THERMAL STRUCTURE OF CORONAL LOOPS AS SEEN WITH NORIKURA CORONAGRAPH. <i>Astrophysical Journal Letters</i> , 2013, 765, L46.	8.3	7
146	Confinement driven effects in a room temperature ferroelectric liquid crystal: X-ray, linear and non-linear dielectric investigations. <i>Phase Transitions</i> , 2013, 86, 323-338.	1.3	3
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