

Jagdish K Vij

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330
papers

6,210
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37
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61
g-index

343
ext. papers

6,488
ext. citations

3
avg, IF

5.56
L-index

#	Paper	IF	Citations
330	Nematic twist-bend phase with nanoscale modulation of molecular orientation. <i>Nature Communications</i> , 2013 , 4, 2635	17.4	442
329	Spontaneous periodic deformations in nonchiral planar-aligned bimesogens with a nematic-nematic transition and a negative elastic constant. <i>Physical Review Letters</i> , 2010 , 105, 167801	7.4	267
328	Thermotropic biaxial nematic phase in liquid crystalline organo-siloxane tetrapodes. <i>Physical Review Letters</i> , 2004 , 93, 237801	7.4	184
327	Microsecond linear optical response in the unusual nematic phase of achiral bimesogens. <i>Applied Physics Letters</i> , 2011 , 99, 261903	3.4	129
326	The investigation of the relaxation processes in antiferroelectric liquid crystals by broad band dielectric and electro-optic spectroscopy. <i>Liquid Crystals</i> , 1998 , 25, 241-252	2.3	109
325	Nematic Phases in 1,2,4-Oxadiazole-Based Bent-Core Liquid Crystals: Is There a Ferroelectric Switching?. <i>Advanced Functional Materials</i> , 2012 , 22, 1671-1683	15.6	99
324	Observation and investigation of the ferroelectric subphase with high qT parameter. <i>Physical Review E</i> , 1997 , 55, 4345-4353	2.4	89
323	Fourier transform infrared study of poly (2-hydroxyethyl methacrylate) PHEMA. <i>Colloid and Polymer Science</i> , 1997 , 275, 323-332	2.4	88
322	A liquid crystalline phase with uniform tilt, local polar order and capability of symmetry breaking. <i>Advanced Materials</i> , 2013 , 25, 2186-91	24	73
321	Effects of induced steric hindrance on the dielectric behavior and H bonding in the supercooled liquid and vitreous alcohol. <i>Journal of Chemical Physics</i> , 2001 , 114, 4634	3.9	73
320	Field-induced periodic chiral pattern in the Nx phase of achiral bimesogens. <i>Applied Physics Letters</i> , 2012 , 101, 234106	3.4	71
319	Hierarchical elasticity of bimesogenic liquid crystals with twist-bend nematic phase. <i>Applied Physics Letters</i> , 2015 , 106, 173102	3.4	67
318	The exponential dielectric relaxation dynamics in a secondary alcohol supercooled liquid and glassy states. <i>Journal of Chemical Physics</i> , 2000 , 112, 3262-3266	3.9	65
317	The influence of surface structure on the discotic liquid crystalline alignment. an infrared spectroscopy study. <i>Advanced Materials</i> , 1995 , 7, 919-922	24	63
316	Development of polar order in liquid crystalline phases of a banana compound with a unique sequence of three orthogonal phases. <i>Chemical Communications</i> , 2010 , 46, 3702-4	5.8	58
315	Localized relaxation strength and its mimicry of glass-softening thermodynamics. <i>Journal of Chemical Physics</i> , 2002 , 116, 5908-5909	3.9	58
314	1,2,4-oxadiazole-based bent-core liquid crystals with cybotactic nematic phases. <i>ChemPhysChem</i> , 2014 , 15, 1323-35	3.2	57

313	Elastic properties of bimesogenic liquid crystals. <i>Liquid Crystals</i> , 2013 , 40, 681-688	2.3	57
312	Far infrared spectroscopy of water at different temperatures: GHz to THz dielectric spectroscopy of water. <i>Journal of Molecular Liquids</i> , 2004 , 112, 125-135	6	57
311	The investigation of the relaxation processes in antiferroelectric liquid crystals by electro-optic spectroscopy. <i>Applied Physics Letters</i> , 1998 , 72, 1667-1669	3.4	56
310	Spontaneous helix formation in non-chiral bent-core liquid crystals with fast linear electro-optic effect. <i>Nature Communications</i> , 2016 , 7, 11369	17.4	55
309	Electric field induced biaxiality and the electro-optic effect in a bent-core nematic liquid crystal. <i>Applied Physics Letters</i> , 2010 , 96, 011106	3.4	54
308	Relaxation strength of localized motions in D-sorbitol and mimicry of glass-softening thermodynamics. <i>Journal of Chemical Physics</i> , 2003 , 119, 435-442	3.9	51
307	Dielectric response of surface stabilized ferroelectric liquid crystal cells. <i>Physical Review E</i> , 1994 , 50, 4763-4772	2.4	49
306	Optical confirmation of biaxial nematic (Nb) phase in a bent-core mesogen. <i>Applied Physics Letters</i> , 2009 , 95, 183304	3.4	48
305	Comparison of the characteristics of the chiral analog of the de Vries type of smectic-A* phase. <i>Physical Review E</i> , 2003 , 67, 051709	2.4	47
304	Flexoelectric behavior of bimesogenic liquid crystals in the nematic phase [Observation of a new self-assembly pattern at the twist-bend nematic and the nematic interface. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8179-8184	7.1	44
303	Discrete flexoelectric polarizations and biaxial subphases with periodicities other than three and four layers in chiral smectic liquid crystals frustrated between ferroelectricity and antiferroelectricity. <i>Physical Review E</i> , 2005 , 72, 041705	2.4	44
302	Observation of a possible random ferroelectric liquid crystal phase. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2967-2969		44
301	Infrared absorption study of hexapentyloxytriphenylene A discotic liquid crystal. <i>Liquid Crystals</i> , 1993 , 14, 807-819	2.3	44
300	1D photonic crystal fabricated by wet etching of silicon. <i>Optical Materials</i> , 2005 , 27, 831-835	3.3	43
299	Liquid crystal display modes in a nontilted bent-core biaxial smectic liquid crystal. <i>Applied Physics Letters</i> , 2010 , 97, 213505	3.4	42
298	The orientational order parameters of a dendritic liquid crystal organo-siloxane tetrapode oligomer, determined using polarized infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2004 , 121, 5012-5021	3.9	42
297	Two kinds of smectic-C(alpha)* subphases in a liquid crystal and their relative stability dependent on the enantiomeric excess as elucidated by electric-field-induced birefringence experiment. <i>Physical Review E</i> , 2005 , 71, 021711	2.4	41
296	Dynamics of Collective and Molecular Modes of a Ferroelectric Liquid Crystal in Confined Geometry Using Dielectric Spectroscopy. <i>Physical Review Letters</i> , 1997 , 79, 249-252	7.4	40

295	The pressure and temperature dependence of the static permittivity and density of heptanol isomers. <i>Journal Physics D: Applied Physics</i> , 1978 , 11, 545-559	3	39
294	Dielectric Response of Ferroelectric Liquid Crystal Cells. <i>Japanese Journal of Applied Physics</i> , 1994 , 33, 2648-2650	1.4	38
293	Theory of the intermediate tilted smectic phases and their helical rotation. <i>Physical Review E</i> , 2006 , 74, 011705	2.4	37
292	Hydration and plasticization effects in cellulose acetate: molecular motion and relaxation. <i>Faraday Discussions</i> , 1996 , 103, 255	3.6	37
291	Pyroelectric and electro-optical effects in the SmC* phase of a polysiloxane liquid crystal. <i>Journal of Applied Physics</i> , 1994 , 75, 728-733	2.5	37
290	Sequence of four orthogonal smectic phases in an achiral bent-core liquid crystal: evidence for the SmAP(F) phase. <i>Physical Review Letters</i> , 2011 , 107, 247801	7.4	36
289	Dielectric and electro-optical studies of a ferroelectric copolysiloxane. <i>Physical Review B</i> , 1994 , 50, 16346-16356	3.1	36
288	The pressure and temperature dependence of the complex permittivity of heptanol isomers. <i>Journal Physics D: Applied Physics</i> , 1981 , 14, 733-746	3	36
287	Evidence for de Vries structure in a smectic-A liquid crystal observed by polarized Raman scattering. <i>Physical Review E</i> , 2005 , 71, 041705	2.4	35
286	Field-induced transformations in the biaxial order of non-tilted phases in a bent-core smectic liquid crystal. <i>Europhysics Letters</i> , 2010 , 92, 26002	1.6	34
285	Localized relaxation in a glass and the minimum in its orientational polarization contribution. <i>Journal of Chemical Physics</i> , 2002 , 117, 1714-1722	3.9	34
284	Dielectric studies on charge hopping in melanin polymer. <i>Journal of Molecular Structure</i> , 2002 , 606, 205-210	3.1	33
283	Study of the molecular tilt angle and the order parameter of a ferroelectric liquid crystal mixture using IR spectroscopy. <i>Liquid Crystals</i> , 1992 , 12, 1005-1012	2.3	33
282	Kinetics of spontaneous change in the localized motions of D-sorbitol glass. <i>Journal of Chemical Physics</i> , 2006 , 124, 74509	3.9	32
281	Observation of an anchoring transition in a discotic liquid crystal. <i>Europhysics Letters</i> , 1998 , 44, 198-204	1.6	32
280	Rotational bias of an antiferroelectric liquid crystal studied by polarized Fourier transform infrared spectroscopy. <i>Physical Review E</i> , 1999 , 59, 551-555	2.4	32
279	Effect of cybotactic clusters on the elastic and flexoelectric properties of bent-core liquid crystals belonging to the same homologous series. <i>Physical Review E</i> , 2013 , 88, 032503	2.4	30
278	Development of polar order in a bent-core liquid crystal with a new sequence of two orthogonal smectic and an adjacent nematic phase. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18711		30

277	Electro-optic and dielectric study of the de Vries-type smectic-A* phase exhibiting transitions to smectic-C*A and smectic-C* phases. <i>Physical Review E</i> , 2008 , 77, 041707	2.4	30
276	Experimental demonstration, using polarized Raman and infrared spectroscopy, that both conventional and de Vries smectic-A phases may exist in smectic liquid crystals with a first-order A-C* transition. <i>Physical Review E</i> , 2006 , 74, 051706	2.4	29
275	Investigation of de Vries SmA* mesophases in low molecular weight organosiloxane compounds. <i>Journal of Materials Chemistry</i> , 2006 , 16, 842-849		29
274	Effects of ions on the dielectric permittivity and relaxation rate and the decoupling of ionic diffusion from dielectric relaxation in supercooled liquid and glassy 1-propanol. <i>Journal of Chemical Physics</i> , 2002 , 116, 4192-4201	3.9	29
273	Molecular model of biaxial ordering in nematic liquid crystals composed of flat molecules with four mesogenic groups. <i>Physical Review E</i> , 2010 , 81, 061702	2.4	28
272	Degeneracy lifting near the frustration points due to long-range interlayer interaction forces and the resulting varieties of polar chiral tilted smectic phases. <i>Liquid Crystals</i> , 2009 , 36, 1101-1118	2.3	28
271	Orientational order and dynamics of the dendritic liquid crystal organo-siloxane tetrapodes determined using dielectric spectroscopy. <i>Physical Review E</i> , 2006 , 73, 051702	2.4	28
270	Order Parameter, Alignment and Anchoring Transition in Discotic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 397, 231-244	0.5	28
269	Field-induced phase transitions in an antiferroelectric liquid crystal using the pyroelectric effect. <i>Physical Review E</i> , 2000 , 62, 2279-87	2.4	28
268	Mechanism of the Major Orientation Polarization in Alcohols, and the Effects of Steric Hindrance-, and Dilution-Induced Decrease on H-Bonding. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 5061-5070	2.8	28
267	Angular dependence of absorbance on the polarization angle of an IR beam in liquid crystals. <i>Liquid Crystals</i> , 1996 , 21, 147-151	2.3	28
266	Infrared spectroscopic study of a phenyl benzoate side group methacrylate main chain polymeric liquid crystal. <i>Liquid Crystals</i> , 1994 , 16, 783-803	2.3	27
265	Molecular dynamics of methanol. <i>Molecular Physics</i> , 1983 , 50, 935-947	1.7	27
264	Discovery of a novel ferrielectric phase of five-layer periodicity in binary mixtures of chiral smectic liquid crystals exhibiting unusual reversed phase sequence. <i>Liquid Crystals</i> , 2011 , 38, 663-668	2.3	26
263	Relaxations and nano-phase-separation in ultraviscous heptanol-alkyl halide mixture. <i>Journal of Chemical Physics</i> , 2007 , 126, 034512	3.9	26
262	Orientational Order and Dynamics of Nematic Multipodes Based on Carbosilazane Cores Using Optical and Dielectric Spectroscopy. <i>Macromolecules</i> , 2002 , 35, 8601-8608	5.5	26
261	Wide-band dielectric spectroscopy of hydrated poly(hydroxyethyl methacrylate). <i>Polymer</i> , 1994 , 35, 227-234		26
260	Physical ageing and the Johari-Goldstein relaxation in molecular glasses. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 783-792	3.9	25

259	Study of the biaxiality in the nematic phase of liquid crystals in terms of orientational order parameters by infrared spectroscopy. <i>Liquid Crystals</i> , 2010 , 37, 653-667	2.3	25
258	Vertically etched silicon as 1D photonic crystal. <i>Physica Status Solidi A</i> , 2003 , 197, 544-548		25
257	An investigation of the field-induced ferroelectric subphases in antiferroelectric liquid crystals. <i>Journal of Physics Condensed Matter</i> , 1995 , 7, L351-L360	1.8	25
256	Brownian motion in a periodic potential: Application to dielectric relaxation. <i>European Physical Journal B</i> , 1985 , 58, 187-198	1.2	25
255	The dielectric polarizability of benzene as a function of temperature and pressure. <i>Journal of Chemical Physics</i> , 1976 , 64, 2226-2228	3.9	25
254	Self-assembled uniaxial and biaxial multilayer structures in chiral smectic liquid crystals frustrated between ferro- and antiferroelectricity. <i>Physical Review E</i> , 2004 , 69, 060701	2.4	24
253	Optical rotatory power of different phases of an antiferroelectric liquid crystal and implications for models of structure. <i>Physical Review E</i> , 2001 , 63, 051708	2.4	24
252	The concept of two stochastic processes in liquid water and analytical theory of the complex permittivity in the wavenumber range $0 \leq \omega < 1000 \text{ cm}^{-1}$. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 5173-5181 ^{3,6}		24
251	Millimeter and submillimeter laser spectroscopy of water. <i>Chemical Physics Letters</i> , 1989 , 155, 153-156	2.5	24
250	Short-range correlations seen in the nematic phase of bent-core liquid crystals by dielectric and electro-optic studies. <i>Physical Review E</i> , 2011 , 84, 060701	2.4	22
249	Investigations of nanoscale helical pitch in smectic-C* α and smectic-C* phases of a chiral smectic liquid crystal using differential optical reflectivity measurements. <i>Physical Review E</i> , 2006 , 74, 011701	2.4	22
248	Johari-Goldstein relaxation and crystallization of sorbitol to ordered and disordered phases. <i>Journal of Chemical Physics</i> , 2004 , 120, 5455-62	3.9	22
247	Investigation of the TGBA* phase in a ferroelectric liquid crystal using dielectric spectroscopy. <i>Journal of Physics Condensed Matter</i> , 1995 , 7, 7443-7452	1.8	22
246	A graphical method for determining the parameters of a diffusion profile in silicon by infrared reflection spectroscopy. <i>Solid-State Electronics</i> , 1989 , 32, 69-76	1.7	22
245	Distortions in structures of the twist bend nematic phase of a bent-core liquid crystal by the electric field. <i>Physical Review E</i> , 2018 , 98, 022704	2.4	22
244	Characterization of the Submicrometer Hierarchy Levels in the Twist-Bend Nematic Phase with Nanometric Helices via Photopolymerization. Explanation for the Sign Reversal in the Polar Response. <i>Nano Letters</i> , 2017 , 17, 7515-7519	11.5	21
243	Dielectric relaxation and libration spectroscopy of some aliphatic ketones and their molecular behavior. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 6142-6148		21
242	Nonlinear Budař model for dielectric relaxation: Comparison with new experimental data. <i>European Physical Journal B</i> , 1985 , 61, 357-366	1.2	21

241	Development of polar order and tilt in lamellar liquid crystalline phases of a bent-core mesogen. <i>Soft Matter</i> , 2014 , 10, 5003-16	3.6	20
240	Macroscopic biaxiality and electric-field-induced rotation of the minor director in the nematic phase of a bent-core liquid crystal. <i>Europhysics Letters</i> , 2010 , 91, 66002	1.6	20
239	Effect of cell surfaces on the stability of chiral smectic-C phases. <i>Physical Review E</i> , 2008 , 78, 021711	2.4	20
238	Dielectric Study of the Intermolecular Association of Alcohols in Solutions of Benzene. <i>Bulletin of the Chemical Society of Japan</i> , 1976 , 49, 1824-1828	5.1	20
237	Gold nanorods embedded discotic nanoribbons. <i>Chemical Communications</i> , 2013 , 49, 978-80	5.8	19
236	Evidence of a polar cybotactic smectic A phase in a new fluorine substituted bent-core compound. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17098		19
235	Gradual phase transition between the smectic- C and smectic- C{A} phases and the thresholdless antiferroelectricity. <i>Physical Review E</i> , 2008 , 78, 041702	2.4	19
234	Molecular dynamics of iso-amyl bromide by dielectric spectroscopy, and the effects of a nonpolar solvent, 2-methylpentane, on the spectral features. <i>Journal of Chemical Physics</i> , 1999 , 111, 10979-10985 ³⁻⁹		19
233	Pressure, Temperature, and Frequency Dependence of the Dielectric Properties of Strontium Barium Niobate. <i>Physica Status Solidi A</i> , 1982 , 74, 225-232		19
232	Flexoelectric polarization studies in bent-core nematic liquid crystals. <i>Physical Review E</i> , 2015 , 92, 022502.4	2.4	18
231	Discontinuous change in the smectic layer thickness in ferrielectric liquid crystals. <i>Physical Review E</i> , 2007 , 75, 042701	2.4	18
230	Submillimetre laser and interferometric spectroscopy of the alkyl alcohols. <i>Chemical Physics Letters</i> , 1982 , 92, 528-532	2.5	18
229	Hierarchy of Periodic Patterns in the Twist-bend Nematic Phase of Mesogenic Dimers. <i>Molecular Crystals and Liquid Crystals</i> , 2015 , 611, 180-185	0.5	17
228	Sign reversal in the dielectric anisotropy as functions of temperature and frequency in the nematic phase of a bent-core mesogen. <i>Applied Physics Letters</i> , 2010 , 97, 152903	3.4	17
227	Debye process and dielectric state of an alcohol in a nonpolar solvent. <i>Journal of Chemical Physics</i> , 2011 , 134, 044525	3.9	17
226	Effect of high hydrostatic pressure on the dielectric relaxation in a non-crystallizable monohydroxy alcohol in its supercooled liquid and glassy states. <i>Journal of Chemical Physics</i> , 2011 , 135, 084507	3.9	17
225	Antiferroelectric dielectric relaxation processes and the interlayer interaction in antiferroelectric liquid crystals. <i>Applied Physics Letters</i> , 2008 , 93, 142903	3.4	17
224	Experimental study of de Vries properties in antiferroelectric smectic liquid crystals. <i>European Physical Journal E</i> , 2008 , 27, 397-405	1.5	17

223	Dielectric and optical rotatory power investigations of an antiferroelectric liquid crystal 12OF1M7 in a homeotropic cell: implications for models of the structure of ferrielectric phases. <i>Liquid Crystals</i> , 2001 , 28, 1699-1704	2.3	17
222	Ferrielectric liquid crystal subphase studied by polarized fourier-transform infrared spectroscopy. <i>Physical Review E</i> , 2000 , 62, 2269-78	2.4	17
221	A field-reversal method for measuring the parameters of a ferroelectric liquid crystal. <i>Liquid Crystals</i> , 2001 , 28, 615-620	2.3	17
220	Complex permittivity measurements of acetone in the frequency region 50B10 GHz. <i>Molecular Physics</i> , 1991 , 72, 353-361	1.7	17
219	Phase behavior and characterization of heptamethyltrisiloxane-based de Vries smectic liquid crystal by electro-optics, x rays, and dielectric spectroscopy. <i>Physical Review E</i> , 2017 , 95, 032701	2.4	16
218	Polarization and dielectric properties of an antiferroelectric liquid crystal. <i>Liquid Crystals</i> , 1997 , 23, 77-86.	2.3	16
217	Modulated Hexatic-B* with giant electroclinic effect rather than anticlinic Hexatic-I A * A novel mechanism for stabilizing antiferroelectricity below Smectic-C A *. <i>Europhysics Letters</i> , 2007 , 77, 36004	1.6	16
216	Solitary wave propagation in antiferroelectric liquid crystal cells and the quadrupolar term in the interlayer interaction. <i>Physical Review E</i> , 2007 , 76, 011708	2.4	16
215	Inertia-corrected bud treatment of dielectric relaxation in polar molecules: Application to the fir spectrum of acetone and hexanone-2. <i>Chemical Physics Letters</i> , 1986 , 129, 375-381	2.5	16
214	The dynamics of liquid water: Simulation and submillimeter spectroscopy. <i>Journal of Molecular Liquids</i> , 1987 , 34, 285-306	6	16
213	Structure-dependent dc conductivity and relaxation time in the Debye-Stokes-Einstein equation. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 11201-8	3.4	15
212	A comparison of the far-infrared and low-frequency Raman spectra of glass-forming liquids. <i>Journal of Molecular Structure</i> , 1999 , 479, 111-122	3.4	15
211	Observation of an SmC _B phase in an antiferroelectric liquid crystal using pyroelectrics and dielectrics. <i>Journal of Materials Chemistry</i> , 1999 , 9, 1383-1385		15
210	Some new FIR laser lines of optically pumped 12CH316OH, 12CH316OD, and 12CH3I, 12CH3Br, 12CD2Cl2 absorption spectroscopy of water and acetonitrile. <i>IEEE Journal of Quantum Electronics</i> , 1986 , 22, 1123-1130	2	15
209	Stereochemical Rules Govern the Soft Self-Assembly of Achiral Compounds: Understanding the Helical Liquid-Crystalline Phases of Bent-Core Mesogens. <i>Chemistry - A European Journal</i> , 2020 , 26, 4714-4733	4.8	15
208	Biaxial order parameter in the homologous series of orthogonal bent-core smectic liquid crystals. <i>Physical Review E</i> , 2013 , 88, 012504	2.4	14
207	Orientation polarization from faster motions in the ultraviscous and glassy diethyl phthalate and its entropy. <i>Journal of Chemical Physics</i> , 2006 , 124, 044513	3.9	14
206	Propagation of an electromagnetic wave in an absorbing anisotropic medium and infrared transmission spectroscopy of liquid crystals. <i>Journal of Chemical Physics</i> , 2005 , 122, 174901	3.9	14

205	Dielectric spectroscopy of the twist grain boundary phase and smectic-like behaviour in the Isotropic Phase. <i>Liquid Crystals</i> , 2005 , 32, 1045-1051	2.3	14
204	de Vries liquid crystals based on a chiral 5-phenylpyrimidine benzoate core with a tri- and tetra-carbosilane backbone. <i>Physical Review Materials</i> , 2018 , 2,	3.2	14
203	Dynamic mechanism of the ferroelectric to antiferroelectric phase transition in chiral smectic liquid crystals. <i>Physical Review Letters</i> , 2008 , 101, 097801	7.4	13
202	Dielectric relaxation and crystallization of nanophase separated 1-propanol-isoamylbromide mixture. <i>Journal of Chemical Physics</i> , 2007 , 127, 094507	3.9	13
201	Optical rotatory power, biaxiality, and models of chiral tilted smectic phases. <i>Physical Review E</i> , 2003 , 68, 021702	2.4	13
200	Pyroelectric properties of ferroelectric liquid crystal cells with chevron, bookshelf, and helical structures. <i>Journal of Applied Physics</i> , 1995 , 77, 1201-1206	2.5	13
199	Dielectric spectra of supercooled halogenobenzene-decalin solutions: A single particle site model for relaxation and resonant behaviors. <i>Journal of Chemical Physics</i> , 1983 , 79, 4624-4628	3.9	13
198	Chirality of an achiral bent-core nematic mesogen observed in planar and homeotropic cells under certain boundary conditions. <i>Soft Matter</i> , 2012 , 8, 10479	3.6	12
197	Antiferroelectric and ferroelectric orderings in frustrated chiral tilted smectics and a continuous change from anticlinic SmC A * to synclinc SmC *. <i>Europhysics Letters</i> , 2010 , 90, 56005	1.6	12
196	Electric field-induced birefringence, optical rotatory power and conoscopic measurements of a chiral antiferroelectric smectic liquid crystal. <i>Liquid Crystals</i> , 2007 , 34, 963-973	2.3	12
195	Molecular orientation and the infrared dichroism of a chiral smectic liquid crystal in a homogeneously aligned cell at different temperature and bias fields. <i>Physical Review E</i> , 2003 , 68, 031707	2.4	12
194	Wideband (from 0 to 1000 cm ⁻¹) dielectric/FIR spectra of ordinary and heavy water: calculation in terms of the composite hat curved harmonic oscillator model. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 5289-5299	3.6	12
193	On the V-shaped switching in antiferroelectric liquid crystals. <i>Ferroelectrics</i> , 2000 , 246, 35-42	0.6	12
192	Infrared Dichroism and Vibrational Spectroscopy of a Side Chain Polyacrylate Liquid Crystalline Polymer. <i>Molecular Crystals and Liquid Crystals</i> , 1993 , 237, 337-350		12
191	Dielectric study of the electroclinic effect in the smectic-A phase. <i>Physical Review E</i> , 1994 , 50, 2109-2114	2.4	12
190	High-frequency dielectric behavior of a ferroelectric liquid crystal near the smectic-C*-smectic-A phase transition. <i>Physical Review A</i> , 1992 , 46, 4852-4858	2.6	12
189	Dielectric Relaxation and Molecular Structure. I. Dielectric Relaxation in Substituted Anilines. <i>Bulletin of the Chemical Society of Japan</i> , 1970 , 43, 2307-2312	5.1	12
188	Anomalous temperature dependence of layer spacing of de Vries liquid crystals: Compensation model. <i>Applied Physics Letters</i> , 2016 , 108, 243301	3.4	12

187	Design and investigation of de Vries liquid crystals based on 5-phenyl-pyrimidine and (R,R)-2,3-epoxyhexoxy backbone. <i>Physical Review E</i> , 2017 , 96, 042701	2.4	11
186	The effect of chiral doping in achiral smectic liquid crystals on the de Vries characteristics: smectic layer thickness, electro-optics and birefringence. <i>Liquid Crystals</i> , 2018 , 45, 513-521	2.3	11
185	The NTB phase in an achiral asymmetrical bent-core liquid crystal terminated with symmetric alkyl chains. <i>Liquid Crystals</i> , 2016 , 1-10	2.3	11
184	Properties of the self-deforming Ntb phase in mesogenic dimers 2013 ,		11
183	Degeneracy lifting due to thermal fluctuations around the frustration point between anticlinic antiferroelectric SmC(A)* and synclonic ferroelectric SmC*. <i>Physical Review E</i> , 2013 , 87, 012502	2.4	11
182	A fast linear electro-optical effect in a non-chiral bent-core liquid crystal. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12585-12590	7.1	11
181	Chiral smectic-A and smectic-C phases with de Vries characteristics. <i>Physical Review E</i> , 2017 , 95, 062704	2.4	11
180	Superlattice structures observed in the extraordinary phase sequence and analyzed by the phenomenological Landau model and the partially molecular model. <i>Physical Review E</i> , 2013 , 87, 062506	2.4	11
179	Orientalional order of a ferroelectric liquid crystal with small layer contraction. <i>Physical Review E</i> , 2010 , 82, 031702	2.4	11
178	Biaxial order and a rotation of the minor director in the nematic phase of an organo-siloxane tetrapode by the electric field. <i>Journal of Chemical Physics</i> , 2012 , 136, 094513	3.9	11
177	Conoscopy of chiral smectic liquid crystal cells. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008 , 25, 1820-7	1.8	11
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