

Khoa Van Le

List of Publications by Year in descending order

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papers

945
citations

471509

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454955

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56
all docs

56
docs citations

56
times ranked

807
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable amorphous blue phase of bent-core nematic liquid crystals doped with a chiral material. <i>Journal of Materials Chemistry</i> , 2010, 20, 5893.	6.7	114
2	Splay bend elasticity of a bent-core nematic liquid crystal. <i>Physical Review E</i> , 2010, 81, 010702.	2.1	108
3	Chiral Superstructure Mesophases of Achiral Bent-Core Shaped Molecules – Hierarchical Chirality Amplification and Physical Properties. <i>Advanced Materials</i> , 2017, 29, 1602737.	21.0	91
4	Liquid crystalline amorphous blue phase and its large electrooptical Kerr effect. <i>Journal of Materials Chemistry</i> , 2011, 21, 2855.	6.7	69
5	Electro-optic technique to study biaxiality of liquid crystals with positive dielectric anisotropy: The case of a bent-core material. <i>Physical Review E</i> , 2009, 79, 030701.	2.1	62
6	Large-scale self-organization of reconfigurable topological defect networks in nematic liquid crystals. <i>Nature Communications</i> , 2016, 7, 13238.	12.8	56
7	Flexoelectric effect in a bent-core mesogen. <i>Liquid Crystals</i> , 2009, 36, 1119-1124.	2.2	47
8	Transition between widened BPs by light irradiation using photo-active bent-core liquid crystal with chiral dopant. <i>Journal of Materials Chemistry</i> , 2012, 22, 4627.	6.7	37
9	Viscoelasticity of ambient-temperature nematic binary mixtures of bent-core and rodlike molecules. <i>Physical Review E</i> , 2012, 85, 011702.	2.1	35
10	Dismantlable Thermosetting Adhesives Composed of a Cross-Linkable Poly(olefin sulfone) with a Photobase Generator. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5580-5585.	8.0	34
11	Polymer-Stabilized Micropixelated Liquid Crystals with Tunable Optical Properties Fabricated by Double Templating. <i>Advanced Materials</i> , 2017, 29, 1703054.	21.0	26
12	Chiral lyotropic chromonic liquid crystals composed of disodium cromoglycate doped with water-soluble chiral additives. <i>Soft Matter</i> , 2018, 14, 1511-1516.	2.7	25
13	Self-shaping liquid crystal droplets by balancing bulk elasticity and interfacial tension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	24
14	Kerr constant and third-order nonlinear optic susceptibility measurements in a liquid crystal composed of bent-shaped molecules. <i>Physical Review E</i> , 2008, 78, 050701.	2.1	23
15	Unusual temperature dependence of smectic layer structure associated with the nematic-smectic C phase transition in a hockey-stick-shaped four-ring compound. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1562.	5.5	23
16	Heat-driven and electric-field-driven bistable devices using dye-doped nematic liquid crystals. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	22
17	Supramolecular Assemblies of a Semirigid Polyanion in Aqueous Solutions. <i>Macromolecules</i> , 2013, 46, 3581-3586.	4.8	20
18	Anchoring transition in a nematic liquid crystal doped with chiral agents. <i>Phase Transitions</i> , 2012, 85, 888-899.	1.3	16

#	ARTICLE	IF	CITATIONS
19	Characterization of Nematic Phase of Banana Liquid Crystal. Japanese Journal of Applied Physics, 2006, 45, L1013-L1015.	1.5	12
20	Critical behavior in an electric-field-induced anchoring transition in a liquid crystal. Physical Review E, 2012, 86, 010701.	2.1	10
21	Unusual Electro-Optic Kerr Response in a Self-Stabilized Amorphous Blue Phase with Nanoscale Smectic Clusters. ChemPhysChem, 2016, 17, 1425-1429.	2.1	10
22	Alignment of unconventional nematic liquid crystals. Liquid Crystals, 2011, 38, 917-924.	2.2	9
23	Laser irradiation durability of photorefractive ferroelectric liquid crystal blends containing terthiophene photoconductive chiral dopants. RSC Advances, 2016, 6, 70573-70580.	3.6	9
24	High-resolution calorimetric study of phase transitions in chiral smectic-C liquid crystalline phases. Physical Review E, 2012, 86, 061704.	2.1	7
25	Critical behavior at transitions from uniaxial to biaxial phases in a smectic liquid-crystal mixture. Physical Review E, 2010, 82, 011709.	2.1	6
26	Calorimetric study of the effect of bent-shaped dopant molecules on the critical behavior at the nematic-smectic- A_C transition. Physical Review E, 2011, 83, 061701.	2.1	6
27	Nanosize-Induced Optically Isotropic Nematic Phase. Japanese Journal of Applied Physics, 2011, 50, 051703.	1.5	6
28	Blue Phase III \rightarrow Isotropic Phase Transition in a Bent-Core Liquid Crystal with Chiral Dopant. Ferroelectrics, 2012, 431, 1-5.	0.6	6
29	Structure-sensitive bend elastic constants between piconewton and subnanonewton in diphenylacetylene-core-based liquid crystals. Physical Review E, 2014, 90, 042506.	2.1	4
30	Molecular Design for Preparation of Hexagonal-Ordered Porous Films Based on Side-Chain-Type Liquid-Crystalline Star Polymer. Langmuir, 2018, 34, 6210-6216.	3.5	4
31	Effect of the concentration of chiral compound on the photorefractive effect of flexoelectric smectic liquid crystal blends. Molecular Crystals and Liquid Crystals, 0, , 1-16.	0.9	4
32	Determination of Pretilt Angle of Discotic Nematic Liquid Crystal. Japanese Journal of Applied Physics, 2006, 45, 5149-5150.	1.5	3
33	Large Twist Elastic Constant in Diphenylacetylene-Core-Based Liquid Crystals. Molecular Crystals and Liquid Crystals, 2015, 614, 124-127.	0.9	3
34	Bulk Alignment of Chromonic Aggregates During Swelling of Hydrogels. Macromolecular Rapid Communications, 2020, 41, 1900631.	3.9	3
35	Experimental Investigation on Pretilt Angle in Binary Liquid Crystal Composed of Highly Polar Molecules. Japanese Journal of Applied Physics, 2007, 46, 5920-5923.	1.5	2
36	Enhancement of Photosensitivity of Photorefractive Ferroelectric Liquid Crystal Blends to Green and Red Wavelength Regions Using Oligothiophene Photoconductive Dopants. Journal of Physical Chemistry C, 2017, 121, 16951-16958.	3.1	2

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37	The Photorefractive Effect in Liquid Crystals. , 0, , .		2
38	Optical isotropic phases towards display application. Proceedings of SPIE, 2011, , .	0.8	1
39	Nonlinear resistivity in epoxy composites containing Mn-based ferrite magnetic particles. Journal of Applied Polymer Science, 2020, 137, 48229.	2.6	1
40	Self-shaping of liquid crystals into superstructures for photonic applications. , 2021, , .		1
41	Molecular design of viologens to exhibit low-order liquid-crystalline phases. Materials Advances, 0, , .	5.4	1
42	Enhanced chromonic stacking assisted by a hydrogel network. Molecular Crystals and Liquid Crystals, 2022, 741, 53-62.	0.9	1
43	Effect of the photochemical reactivity of the photoconductive chiral dopant on the durability of photorefractive ferroelectric liquid crystal blends. , 2015, , .		0
44	Reconfigurable topological defect arrays in nematic liquid crystals. , 2017, , .		0
45	Light amplification by photorefractive ferroelectric liquid crystal blends containing quarter-thiophene photoconductive chiral dopant. Proceedings of SPIE, 2017, , .	0.8	0
46	Light amplification by photorefractive ferroelectric liquid crystal blends measured at 532 nm and 638 nm. Molecular Crystals and Liquid Crystals, 2017, 657, 129-135.	0.9	0
47	Poly(olefin sulfone)s. , 0, , .		0
48	Role of each part of cyanobiphenyl-containing polymers in porous-film preparation by using the breath-figure method. Liquid Crystals, 2020, 47, 1139-1144.	2.2	0
49	Light Amplification in Photorefractive Ferroelectric Liquid Crystal Blends Containing Quarter-Thiophene Photoconductive Dopant. Springer Proceedings in Physics, 2017, , 49-55.	0.2	0
50	Dynamic amplification of light signals in photorefractive ferroelectric liquid crystal blends containing photoconductive chiral dopant. , 2017, , .		0
51	Polymer-stabilized liquid crystalline topological defect network for micro-pixelated optical devices. , 2018, , .		0
52	Nonlinear Resistivity in Epoxy Composites Containing ZnO Particles and Secondary Particles. IEEJ Transactions on Fundamentals and Materials, 2019, 139, 453-460.	0.2	0
53	Observation and simulation of toron polymorphism: effects of surface anchoring, elasticity and electric field in cholesterics with smectic-A phase beneath. Journal of Molecular Liquids, 2022, 349, 118454.	4.9	0