Khoa Van Le

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5124860/publications.pdf

Version: 2024-02-01

53	945	471509	454955
papers	citations	17	30
		h-index	g-index

56	56	56	807
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Enhanced chromonic stacking assisted by a hydrogel network. Molecular Crystals and Liquid Crystals, 2022, 741, 53-62.	0.9	1
3	Self-shaping liquid crystal droplets by balancing bulk elasticity and interfacial tension. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
4	Self-shaping of liquid crystals into superstructures for photonic applications. , 2021, , .		1
5	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
6	Nonlinear resistivity in epoxy composites containing Mnâ€based ferrite magnetic particles. Journal of Applied Polymer Science, 2020, 137, 48229.	2.6	1
7	Bulk Alignment of Chromonic Aggregates During Swelling of Hydrogels. Macromolecular Rapid Communications, 2020, 41, 1900631.	3.9	3
8	Nonlinear Resistivity in Epoxy Composites Containing ZnO Particles and Secondary Particles. IEEJ Transactions on Fundamentals and Materials, 2019, 139, 453-460.	0.2	0
9	Chiral lyotropic chromonic liquid crystals composed of disodium cromoglycate doped with water-soluble chiral additives. Soft Matter, 2018, 14, 1511-1516.	2.7	25
10	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
11	Polymer-stabilized liquid crystalline topological defect network for micro-pixelated optical devices. , 2018, , .		0
12	Reconfigurable topological defect arrays in nematic liquid crystals. , 2017, , .		0
13	Light amplification by photorefractive ferroelectric liquid crystal blends containing quarter-thiophene photoconductive chiral dopant. Proceedings of SPIE, 2017, , .	0.8	0
14	Chiral Superstructure Mesophases of Achiral Bentâ€Shaped Molecules â€“ Hierarchical Chirality Amplification and Physical Properties. Advanced Materials, 2017, 29, 1602737.	21.0	91
15	Polymerâ€Stabilized Micropixelated Liquid Crystals with Tunable Optical Properties Fabricated by Double Templating. Advanced Materials, 2017, 29, 1703054.	21.0	26
16	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
17	Light amplification by photorefractive ferroelectric liquid crystal blends measured at 532Ânm and 638 nm. Molecular Crystals and Liquid Crystals, 2017, 657, 129-135.	0.9	0
18	Light Amplification in Photorefractive Ferroelectric Liquid Crystal Blends Containing Quarter-Thiophene Photoconductive Dopant. Springer Proceedings in Physics, 2017, , 49-55.	0.2	0

#	Article	IF	Citations
19	Dynamic amplification of light signals in photorefractive ferroelectric liquid crystal blends containing photoconductive chiral dopant. , 2017, , .		0
20	Laser irradiation durability of photorefractive ferroelectric liquid crystal blends containing terthiophene photoconductive chiral dopants. RSC Advances, 2016, 6, 70573-70580.	3.6	9
21	Large-scale self-organization of reconfigurable topological defect networks in nematic liquid crystals. Nature Communications, 2016, 7, 13238.	12.8	56
22	Unusual Electroâ€Optic Kerr Response in a Selfâ€Stabilized Amorphous Blue Phase with Nanoscale Smectic Clusters. ChemPhysChem, 2016, 17, 1425-1429.	2.1	10
23	Dismantlable Thermosetting Adhesives Composed of a Cross-Linkable Poly(olefin sulfone) with a Photobase Generator. ACS Applied Materials & Interfaces, 2016, 8, 5580-5585.	8.0	34
24	Large Twist Elastic Constant in Diphenylacetylene-Core-Based Liquid Crystals. Molecular Crystals and Liquid Crystals, 2015, 614, 124-127.	0.9	3
25	Effect of the photochemical reactivity of the photoconductive chiral dopant on the durability of photorefractive ferroelectric liquid crystal blends. , 2015, , .		0
26	Structure-sensitive bend elastic constants between piconewton and subnanonewton in diphenylacetylene-core-based liquid crystals. Physical Review E, 2014, 90, 042506.	2.1	4
27	Unusual temperature dependence of smectic layer structure associated with the nematicâ€“smectic C phase transition in a hockey-stick-shaped four-ring compound. Journal of Materials Chemistry C, 2013, 1, 1562.	5.5	23
28	Supramolecular Assemblies of a Semirigid Polyanion in Aqueous Solutions. Macromolecules, 2013, 46, 3581-3586.	4.8	20
29	Blue Phase IIIâ€”Isotropic Phase Transition in a Bent-Core Liquid Crystal with Chiral Dopant. Ferroelectrics, 2012, 431, 1-5.	0.6	6
30	Anchoring transition in a nematic liquid crystal doped with chiral agents. Phase Transitions, 2012, 85, 888-899.	1.3	16
31	High-resolution calorimetric study of phase transitions in chiral smectic-Cliquid crystalline phases. Physical Review E, 2012, 86, 061704.	2.1	7
32	Viscoelasticity of ambient-temperature nematic binary mixtures of bent-core and rodlike molecules. Physical Review E, 2012, 85, 011702.	2.1	35
33	Transition between widened BPs by light irradiation using photo-active bent-core liquid crystal with chiral dopant. Journal of Materials Chemistry, 2012, 22, 4627.	6.7	37
34	Critical behavior in an electric-field-induced anchoring transition in a liquid crystal. Physical Review E, 2012, 86, 010701.	2.1	10
35	Liquid crystalline amorphous blue phase and its large electrooptical Kerr effect. Journal of Materials Chemistry, 2011, 21, 2855.	6.7	69
36	Calorimetric study of the effect of bent-shaped dopant molecules on the critical behavior at the nematic-smectic-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>A</mml:mi><mml:mrow><mml:mi>d</mml:mi></mml:mrow></mml:msub></mml:m transition. Physical Review E, 2011, 83, 061701.	2.1	6

#	ARTICLE	IF	CITATIONS
37	Optical isotropic phases towards display application. Proceedings of SPIE, 2011, , .	0.8	1
38	Nanosize-Induced Optically Isotropic Nematic Phase. Japanese Journal of Applied Physics, 2011, 50, 051703.	1.5	6
39	Alignment of unconventional nematic liquid crystals. Liquid Crystals, 2011, 38, 917-924.	2.2	9
40	Heat-driven and electric-field-driven bistable devices using dye-doped nematic liquid crystals. Journal of Applied Physics, 2010, 107, .	2.5	22
41	Splay bend elasticity of a bent-core nematic liquid crystal. Physical Review E, 2010, 81, 010702.	2.1	108
42	Critical behavior at transitions from uniaxial to biaxial phases in a smectic liquid-crystal mixture. Physical Review E, 2010, 82, 011709.	2.1	6
43	Stable amorphous blue phase of bent-core nematic liquid crystals doped with a chiral material. Journal of Materials Chemistry, 2010, 20, 5893.	6.7	114
44	Electro-optic technique to study biaxiality of liquid crystals with positive dielectric anisotropy: The case of a bent-core material. Physical Review E, 2009, 79, 030701.	2.1	62
45	Flexoelectric effect in a bent-core mesogen. Liquid Crystals, 2009, 36, 1119-1124.	2.2	47
46	Kerr constant and third-order nonlinear optic susceptibility measurements in a liquid crystal composed of bent-shaped molecules. Physical Review E, 2008, 78, 050701.	2.1	23
47	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
48	Characterization of Nematic Phase of Banana Liquid Crystal. Japanese Journal of Applied Physics, 2006, 45, L1013-L1015.	1.5	12
49	Determination of Pretilt Angle of Discotic Nematic Liquid Crystal. Japanese Journal of Applied Physics, 2006, 45, 5149-5150.	1.5	3
50	Poly(olefin sulfone)s. , 0, , .		0
51	The Photorefractive Effect in Liquid Crystals. , 0, , .		2
52	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
53	Molecular design of viologens to exhibit low-order liquid-crystalline phases. Materials Advances, 0, , .	5.4	1