



Liquid Crystal Nano-system Project

Publications

Papers

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	Authors	Title	Magazine
1	Makoto Yoneya, Yuka Utsumi and Yoshiyuki Umeda	Depolarized light scattering from liquid crystals as a factor for black level light-leakage in liquid crystal displays	J. Appl. Phys. 98 016106 2005.06
2	Makoto Yoneya, Masuyuki Ohta and Katsumi Kondo	A robust design against comb electrode spacing variations for in-plane switching mode thin-film transistor liquid crystal displays	J. Appl. Phys. 98 13102 2005.07
3	Jun Yamamoto, Isa Nishiyama, Miyoshi Inoue & Hiroshi Yokoyama	Optical isotropy and iridescence in a smectic 'blue phase'	Nature 437 , 525-528, 22 September 2005
4	Yoji Maeda, Hiroshi Yokoyama	Pressure-scanning DTA measurements of the cubic-smectic C phase transition of 1,2-bis-(4-n-octyloxy- and 1,2-bis-(4-n-dodecyloxy benzoyl)hydrazines	Thermochimica Acta 441 , 156-161, 2006
5	Isa NISHIYAMA, Takahiro YAMAMOTO, Jun YAMAMOTO, John W. GOODBY Hiroshi	Molecular design controlling smectic stability and clinicity	Mol. Cryst. Liq. Cryst., 2005, 439 , 55-70.
6	Jun-ichi Fukuda, Holger Stark, and Hiroshi Yokoyama	Friction drag of a spherical particle in a liquid crystal above the isotropic-nematic transition	Phys. Rev. E 72 , 021701 (2005)
7	Jun-ichi Fukuda, and Hiroshi Yokoyama	Separation-Independent Attractive Force between Like Particles Mediated by Nematic-Liquid-Crystal Distortions	Phys. Rev. Lett. 94 , 148301 (2005)
8	Jun-ichi Fukuda, Holger Stark, Makoto Yoneya, and Hiroshi Yokoyama	Interaction between particles in a nematic liquid crystal: Numerical study using the Landau-de Gennes continuum theory	Mol. Cryst. Liq. Cryst., 2005, 435 , 723-734
9	Jun-ichi Fukuda, Holger Stark, Makoto Yoneya, and Hiroshi Yokoyama	Effect of a hydrodynamic flow on the orientation profiles of a nematic liquid crystal around a spherical particle	Mol. Cryst. Liq. Cryst., 2005, 435 , 734-745.
10	福田順一、横山浩	Separation-insensitive attractive interaction between particles mediated by the elastic distortions of a nematic liquid crystal	物性研究 84 , 929-930, 2005
11	Keiko M. Aoki, Makoto Yoneya, and Hiroshi Yokoyama	Constant surface-tension molecular-dynamics simulation methods for anisotropic systems	J. Chemical Physics, 124 , 064705, 2006

12	Masahito Oh-e, Hiroshi Yokoyama, Shinichi Yorozya, Kazuo Akagi, M.A. Belkin, Y. R. Shen	Chirality probed by sum-frequency vibrational spectroscopy for helically structured conjugated liquid	Mol. Cryst. Liq. Cryst., 2005, 436 , 76-
13	Tkahiyo Yamamoto, Yuka Tabe and Yokoyama Hiroshi	Photonic manipulation of topological defects in liquid-crystal emulsions doped with azobenzene derivatives	Thin Solid Films, 509 , 81. 2006.06
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