# Vladimir Dolganov

List of Publications by Year
in descending order



| 52 | 385 | 840119 11 | 839053 18 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 52 | 52 | 52 | 204 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Meniscus-Induced Thinning of Smectic Nanofilms. JETP Letters, 2022, 115, 208-212. | 0.4 | 2 |
| 2 | Influence of the Surface Orientation on the Spectral Characteristics of Liquid-Crystal Photonic Crystals. Journal of Surface Investigation, 2021, 15, 829-832. | 0.1 | 1 |
| 3 | Dynamics of capillary coalescence and breakup: Quasi-two-dimensional nematic and isotropic droplets. Physical Review E, 2021, 104, 014702. | 0.8 | 12 |
| 4 | Transient hexagonal structures in sheared emulsions of isotropic inclusions on smectic bubbles in microgravity conditions. Scientific Reports, 2021, 11, 19144. | 1.6 | 2 |
| 5 | Quasi-two-dimensional coalescence of nematic and isotropic droplets and Rayleighâ€“Plateau instability in flat optical cells. Soft Matter, 2021, 18, 126-136. | 1.2 | 6 |
| 6 | Dynamics of island-meniscus coalescence in free-standing smectic films. Soft Matter, 2020, 16, 8506-8511. | 1.2 | 5 |
| 7 | Coalescence of holes in two-dimensional free-standing smectic films. Physical Review E, 2020, 101, 052701. | 0.8 | 10 |
| 8 | Spectral and Polarization Characteristics of the Light Passing through a Cholesteric Photonic Crystal. Journal of Experimental and Theoretical Physics, 2020, 130, 790-796. | 0.2 | 4 |
| 9 | Coalescence of viscous two-dimensional smectic islands. Physical Review E, 2019, 99, 062702. | 0.8 | 23 |
| 10 | Effect of Heat Treatment on Water Vapor Adsorption by Opal Structures and Their Effective Refractive Index. Inorganic Materials, 2019, 55, 143-148. | 0.2 | 2 |
| 11 | Topological defects in smectic islands formed in antiferroelectric freestanding nanofilms. Surface Innovations, 2019, 7, 168-173. | 1.4 | 2 |
| 12 | Coalescence of Islands of Different Thicknesses in Smectic Nanofilms. JETP Letters, 2019, 110, 545-550. | 0.4 | 4 |
| 13 | Photon Density of States in a Cholesteric Photonic Crystal. JETP Letters, 2018, 108, 170-174. | 0.4 | 6 |
| 14 | Linear defects forming the ground state of polar free standing smectic-C* films. Soft Matter, 2018, 14, 7174-7179. | 1.2 | 3 |
| 15 | Orientational action of edge dislocations on the director field in antiferroelectric smectic-CA*films. Physical Review E, 2017, 95, 012711. | 0.8 | 4 |
| 16 | Smectic islands in antiferroelectric nanofilms. Journal of Experimental and Theoretical Physics, 2017, 125, 709-713. | 0.2 | 2 |
| 17 | Collapse of islands in freely suspended smectic nanofilms. JETP Letters, 2017, 106, 229-233. | 0.4 | 8 |
| 18 | Chain structures and clusters of particles with the mixed dipoleâ€“quadrupole interaction in smectic freely suspended nanofilms. JETP Letters, 2016, 104, 263-268. | 0.4 | 2 |

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|---|---|---|---|
| 19 | Topological defects in smectic islands in freely suspended films. JETP Letters, 2015, 101, 453-458. | 0.4 | 5 |
| 20 | Surface 2Ї€-walls in polar free-standing smectic films. JETP Letters, 2015, 101, 754-759. | 0.4 | 0 |
| 21 | Anomalies of a meniscus of microinclusions in freely suspended smectic films. JETP Letters, 2015, 102, 242-247. | 0.4 | 2 |
| 22 | Polar liquid crystals with multilayer ordering. JETP Letters, 2015, 101, 444-448. | 0.4 | 2 |
| 23 | Temperature dependence of the photonic bandgap and the orientational order parameter for a cholesteric photonic crystal. Journal of Experimental and Theoretical Physics, 2014, 118, 891-895. | 0.2 | 3 |
| 24 | Step-by-step first order antiferroelectric-paraelectric transition induced by frustration and electric field. JETP Letters, 2014, 99, 191-195. | 0.4 | 1 |
| 25 | Inverse opal based on a polymer filler and transformation of its optical characteristics. Physics of the Solid State, 2014, 56, 746-750. | 0.2 | 1 |
| 26 | Photonic liquid crystals: Optical properties and their dependence on light polarization and temperature. Physics of the Solid State, 2013, 55, 1101-1104. | 0.2 | 2 |
| 27 | The effect of spontaneous polarization on two-dimensional elasticity of smectic liquid crystals. Journal of Experimental and Theoretical Physics, 2013, 116, 1043-1049. | 0.2 | 13 |
| 28 | Description of optical properties of cholesteric photonic liquid crystals based on Maxwell equations and Kramers-Kronig relations. Physical Review E, 2013, 87, . | 0.8 | 20 |
| 29 | Structure of Ї€- and 2Ї€-Walls in Smectic films. JETP Letters, 2012, 96, 317-321. | 0.4 | 2 |
| 30 | Two-stage crystallization on the surface of smectic nanofilms. JETP Letters, 2011, 93, 731-735. | 0.4 | 3 |
| 31 | Formation and structure of a soliton in an antiferroelectric liquid crystal in an electric field. JETP Letters, 2009, 89, 161-166. | 0.4 | 9 |
| 32 | Dimer structures formed in smectic films by inclusions with parallel and antiparallel topological dipole moments. JETP Letters, 2009, 90, 382-386. | 0.4 | 6 |
| 33 | Behavior of inclusions with different value and orientation of topological dipoles in ferroelectric smectic films. Journal of Experimental and Theoretical Physics, 2009, 109, 169-175. | 0.2 | 6 |
| 34 | Electric-field-induced unwinding of ferroelectric helix in thin smectic C* layers with soft and rigid anchoring of molecules. Journal of Experimental and Theoretical Physics, 2008, 107, 526-531. | 0.2 | 0 |
| 35 | Ferrielectric smectic phase with a layer-by-layer change of the two-component order parameter. JETP Letters, 2008, 87, 253-257. | 0.4 | 11 |
| 36 | Stability of a free-standing liquid-crystal film: The measurement of the interaction between the film surfaces. Journal of Experimental and Theoretical Physics, 2007, 105, 665-672. | 0.2 | 7 |

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|---|---|---|---|
| 37 | Structures and orientational transitions in thin smectic films of tilted hexatic. Journal of Experimental and Theoretical Physics, 2006, 102, 616-624. | 0.2 | 1 |
| 38 | Ferroelectricity-induced effects in interaction and self-organization of inclusions in smectic membranes. Europhysics Letters, 2006, 76, 250-256. | 0.7 | 23 |
| 39 | Interaction of surfaces in smectic membranes and their instability near thinning transitions. Physical Review E, 2005, 72, 031713. | 0.8 | 20 |
| 40 | Free-standing smectic films at high temperature. Liquid Crystals, 2002, 29, 505-513. | 0.9 | 14 |
| 41 | Phase Transformations And Dynamics Of 4-Cyano-4â€²-Pentylbiphenyl (5cb) By Nuclear Magnetic Resonance, Analysis Differential Scanning Calorimetry, And Wideangle X-Ray Diffraction Analysis. Molecular Crystals and Liquid Crystals, 2002, 382, 97-111. | 0.4 | 46 |
| 42 | Two-dimensional ordering of inclusions in smectic C phase. JETP Letters, 2002, 75, 482-486. | 0.4 | 39 |
| 43 | Formation of two-dimensional crystal-like structures from inclusions in smectic C films. JETP Letters, 2002, 76, 351-354. | 0.4 | 26 |
| 44 | Phase transition to anticlinic texture in free-standing smectic c films. Journal of Experimental and Theoretical Physics, 2001, 93, 533-541. | 0.2 | 1 |
| 45 | Formation of string defects at thinning transitions in smectic-C*free-standing films. Physical Review E, 2000, 62, R5899-R5902. | 0.8 | 12 |
| 46 | Experimental indication of macroscopic polarization parallel to the tilt plane in free-standing films of ferroelectric liquid crystals 8SI* and DOBAMBC. Journal of Experimental and Theoretical Physics, 1999, 89, 713-716. | 0.2 | 0 |
| 47 | Nonchiral ferroelectric smectic-C films. JETP Letters, 1998, 67, 856-862. | 0.4 | 3 |
| 48 | Free-Standing Smectic Films Above SmA-N, SmA-Iso Transitions. Molecular Crystals and Liquid Crystals, 1997, 303, 193-207. | 0.3 | 1 |
| 49 | Surface ordering near the smectic-A-smectic-C transition in thin, free-standing, liquid-crystal films. Journal of Experimental and Theoretical Physics, 1997, 84, 522-524. | 0.2 | 2 |
| 50 | Length scale dependence of chiral symmetry breaking in free-standing films of achiral smectic C. JETP Letters, 1996, 64, 32-36. | 0.4 | 2 |
| 51 | LAYER-BY-LAYER MELTING OF FREE-STANDING SMECTIC FILMS ABOVE SmA - ISOTROPIC TRANSITION. Ferroelectrics, 1996, 181, 179-186. | 0.3 | 4 |
| 52 | Gap Reduction of C60 and C70 at High Pressure. Molecular Crystals and Liquid Crystals, 1994, 256, 915-920. | 0.3 | 0 |