

Publications of Dr. habil. Nikolay A. Pertsev

Book chapters:

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2. N. A. Pertsev, A. Petraru, H. Kohlstedt. Nanometer-sized ferroelectric capacitors. – In “*Handbook of Nanophysics: Nanoelectronics and Nanophotonics*”, CRC Press, chapter 6, 22 p. (2010).

Papers in peer-reviewed journals:

1. V. I. Vladimirov, N. A. Pertsev, A. E. Romanov. Elastic properties of rectangular wedge disclination loops. – *Soviet Physics - Solid State*, vol. 22, No 12, pp. 2185-2186 (1980).
2. V. I. Vladimirov, N. A. Pertsev, A. E. Romanov. Slipped kinks – disclination-dislocation defects in polymer and composite materials. – *Mekhanika Kompozitnykh Materialov* (in Russian), No 4, pp. 730-732 (1980).
3. V. I. Vladimirov, N. A. Pertsev. Interaction of Somigliana dislocation loops with elastic strain fields. – *Soviet Physics - Solid State*, vol. 23, No 6, pp. 1034-1036 (1981).
4. N. A. Pertsev, A. E. Romanov, V. I. Vladimirov. Disclination-dislocation model for the kink bands in polymers and fibre composites. – *Journal of Materials Science*, vol. 16, No 8, pp. 2084-2090 (1981).
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12. V. A. Bershtein, N. A. Pertsev. Displacements magnitudes of molecular mobility units in solid polymers. – *Acta Polymerica*, vol. 35, No 9, pp. 575-580 (1984).
13. V. I. Vladimirov, N. A. Pertsev. Rotational deformation in dispersion-hardened composite materials. – *Mekhanika Kompozitnykh Materialov* (in Russian), No 4, pp. 598-605 (1984).
14. N. A. Pertsev, V. A. Marikhin, L. P. Myasnikova, Z. Pelzbauer. Uncompleted kink bands in totally oriented high-density polyethylene. – *Vysokomolekulyarnye Soedineniya A* (in Russian), vol. 27, No 7, pp. 1438-1445 (1985).

15. N. A. Pertsev. Elastic Green tensor of highly anisotropic crystals with chain structure. – *Soviet Physics - Solid State*, vol. 28, No 1, pp. 10-13 (1986).
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