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- **Звено:** ( ИФТТ ) **Институт по физика на твърдото тяло**
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Примери за съществени цитирания на представените в конкурса публикации на кандидата

1. Alarco, J. A., Chou, A., Talbot, P. C., & Mackinnon, I. D. "Phonon modes of MgB<sub>2</sub>: super-lattice structures and spectral response." Physical Chemistry Chemical Physics 16.44 (2014): 24443-24456:

Rafailov et al. [11] investigated the Raman spectra of MgB<sub>2</sub> and systematically compared the data with potential impurities. In their work, 11 peaks at 250 cm<sup>-1</sup>, 600 cm<sup>-1</sup> and 750 cm<sup>-1</sup> are assigned to MgB<sub>2</sub>. However, in the same study, peaks at 255 cm<sup>-1</sup>, 517 cm<sup>-1</sup>, 1370 cm<sup>-1</sup> and 1590 cm<sup>-1</sup>, and another set at 380 cm<sup>-1</sup>, 560 cm<sup>-1</sup> and 960 cm<sup>-1</sup> are measured as the light and dark areas (which we interpret to represent Mg and MgO), respectively, of an unreacted Mg stripe [11].

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Petrov et al. [190] has reported the entrance of new phases in LC/CNT suspension. The pristine 7OBA (p-n-heptyloxybenzoic acid) LC has phase sequence of I-N-Sc-Nr-CG-Cry. whereas LC + CNT suspension has phase sequence of I-N-Sc-Nr-CG-Cry. In the case of 8 lm thick cell, chiral phases appear. The phase sequence of the suspension is I-N\*-Sc\*-Nr\*-SG-Cry. The reduced cell thickness increases the anchoring strength and lowers the

symmetry. This condition is favorable for induced chiral phases. Also the transition temperature of the suspension is lower than the pristine one.

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