

Creation of defects and self-localized vibrations in crystal lattices : effects of long-range and nonlinear forces

Klopov, Mihhail; Haas, Mati; Hižnjakov, Vladimir; Shelkan, A. The 23 General Conference of the Condensed Matter Division of the European Physical Society, Varssavi, 2010 2010 / p. 67

Creation of defects and self-localized vibrations in crystals : effects of long-range forces in nonlinear dynamics

Haas, Mati; Hižnjakov, Vladimir; **Klopov, Mihhail**; Shelkan, A. International Conference : FM&NT : Functional Materials and Nanotechnologies 2011 : University of Latvia, April 5-8 : conference program. Book of abstracts 2011 / p. 173

Effects of long-range forces in nonlinear dynamics of crystals : creation of defects and self-localized vibrations

Haas, Mati; Hižnjakov, Vladimir; **Klopov, Mihhail**; Shelkan, A. IOP conference series : materials science and engineering 2010 / 1, p. 01245 : ill <https://iopscience.iop.org/article/10.1088/1757-899X/15/1/012045>

Linear local modes induced by intrinsic localized modes in a monoatomic chain

Hižnjakov, Vladimir; Shelkan, A.; **Klopov, Mihhail**; Kiselev, S.A.; Sievers, A.J. Physical review B 2006 / p. 224302-1 - 114302-5
<https://journals.aps.org/prb/abstract/10.1103/PhysRevB.73.224302>

Localized vibrations in perfect anharmonic lattices : trapping on phonos

Hižnjakov, Vladimir; Shelkan, A.; **Klopov, Mihhail**; Sievers, A.J. Journal of luminescence 2008 / 5/6, p. 995-997 : ill
<https://www.sciencedirect.com/science/article/abs/pii/S0022231307003316>

A role of long-range interaction in ILM properties and defects creation in ionic crystals

Klopov, Mihhail; Hižnjakov, Vladimir; Haas, Mati; Shelkan, A. 13th International Conference on the Applications of Density Functional Theory in Chemistry and Physics : Lyon, France, 31 August - 4 September 2009 2009 / p. 269

Self-consistent potential of intrinsic localized modes : application to diatomic chain

Shelkan, A.; Hižnjakov, Vladimir; **Klopov, Mihhail** Physical review B 2007 / p. 134304-1 -134304-6 : ill
<https://journals.aps.org/prb/pdf/10.1103/PhysRevB.75.134304>

Self-consistent theory of intrinsic localized modes : application to monatomic chain

Hižnjakov, Vladimir; Shelkan, A.; **Klopov, Mihhail** Physics letters A 2006 / 4/5, p. 393-396
<https://www.sciencedirect.com/science/article/pii/S0375960106006372>