

Papers

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[1] I. Evazzade, I. P. Lobzenko, D. Saadatmand, E. A. Korznikova, B. Liu, K. Zhou, and S. V. Dmitriev, "Graphene Nanoribbon as an Elastic Damper", *Nanotechnology* 29, 215704 (2018), DOI: [10.1088/1361-6528/aab2f4](https://doi.org/10.1088/1361-6528/aab2f4)

[2] I. Evazzade, I. P. Lobzenko, E. A. Korznikova, I. A. Ovid'ko, M. R. Roknabadi, and S. V. Dmitriev, "Energy transfer in strained graphene assisted by discrete breathers excited by external ac driving", *PHYSICAL REVIEW B* 95, 035423 (2017), DOI: [10.1103/PhysRevB.95.035423](https://doi.org/10.1103/PhysRevB.95.035423)

[3] I. Evazzade, M. R. Roknabadi, T. Morshedloo, M. Modarresi, Y. Mogulkoc, and H. Nemati Far, "Semimetal behavior of bilayer stanene", *Physica E* 89, 155-159 (2017), DOI: [10.1016/j.physe.2017.02.016](https://doi.org/10.1016/j.physe.2017.02.016)

[4] I. P. Lobzenko, I. Evazzade, M. R. Roknabadi, R. I. Makhmutova, and S. V. Dmitriev, "Modeling of energy transfer introduced by longitudinal shaking of one atom row in carbon nanoribbons", *Letters on Materials* 6(2), 152-155 (2016), DOI: [10.22226/2410-3535-2016-2-152-155](https://doi.org/10.22226/2410-3535-2016-2-152-155)

[5] I. Evazzade, M. R. Roknabadi, M. Behdani, F. Moosavi, D. Xiong K. Zhou, and S. V. Dmitriev, "Interaction of phonons with discrete breather in strained graphene", submitted to European Physical Journal B, (2018)