

List of Publications - Viktor Zólyomi

The following is a list of my scientific publications published by the end of August 2012. The ten most important papers are highlighted in italics.

References

Refereed Journal Papers:

- [1] N. D. Drummond, *V. Zólyomi, and V. I. Fal'ko "Electrically tunable band gap in silicene," *PHYSICAL REVIEW B* **85**, 075423 2012.
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- [3] R. Ferone, J. R. Wallbank, *V. Zólyomi, E. McCann, and V. I. Fal'ko, "Manifestation of LO-LA phonons in Raman scattering in graphene," *SOLID STATE COMMUNICATIONS* **151**, pp. 1071–1074, AUG 2011.
- [4] L. Oroszlány, *V. Zólyomi, and C. J. Lambert, "Carbon Nanotube Archimedes Screws," *ACS NANO* **4**, pp. 7363–7366, DEC 2010.
- [5] *V. Zólyomi, J. Koltai, D. Visontai, L. Oroszlány, Á. Ruzsnyák, I. László, and J. Kürti, "Characteristics of bamboo defects in peapod-grown double-walled carbon nanotubes," *PHYSICAL REVIEW B* **82**, 195423 2010. Times Cited: 1 (from Web of Science).
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- [7] F. Simon, *V. Zólyomi, R. Pfeiffer, H. Kuzmany, J. Koltai, and J. Kürti, "Unusual Raman dispersion for D and 2D lines in high-curvature single-walled carbon nanotubes revealed by (¹³C) isotope substitution," *PHYSICAL REVIEW B* **81**, 125434 2010.
- [8] M. Kalbac, *V. Zólyomi, Á. Ruzsnyák, J. Koltai, J. Kürti, and L. Kavan, "An Anomalous Enhancement of the A(g)(2) Mode in the Resonance Raman Spectra of C(60) Embedded in Single-Walled Carbon Nanotubes during Anodic Charging," *JOURNAL OF PHYSICAL CHEMISTRY C* **114**, pp. 2505–2511, FEB 18 2010.
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- [12] *V. Zólyomi, J. Koltai, J. Kürti, and S. Pekker, "Theoretical study of the electronic structure of fullerene-cubane cocrystals," *PHYSICAL REVIEW B* **78**, 115405 2008.
- [13] L. Kavan, O. Frank, A. A. Green, M. C. Hersam, J. Koltai, *V. Zólyomi, J. Kürti, and L. Dunsch, "In situ Raman spectroelectrochemistry of single-walled carbon nanotubes: Investigation of materials enriched with (6,5) tubes," *JOURNAL OF PHYSICAL CHEMISTRY C* **112**, pp. 14179–14187, SEP 11 2008.
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