

## 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.
- [2] *A. Kiss, A. Palyi, Y. Ihara, P. Wzietek, P. Simon, H. Alloul, \*V. Zólyomi, J. Koltai, J. Kürti, B. Dóra, and F. Simon, "Enhanced NMR Relaxation of Tomonaga-Luttinger Liquids and the Magnitude of the Carbon Hyperfine Coupling in Single-Wall Carbon Nanotubes," *PHYSICAL REVIEW LETTERS* **107**, 187204 2011. Times Cited: 0 (from Web of Science).*
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- [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).
- [6] \*V. Zólyomi, Á. Ruzsnyák, J. Kürti, and C. J. Lambert, "First Principles Study of the Binding of 4d and 5d Transition Metals to Graphene," *JOURNAL OF PHYSICAL CHEMISTRY C* **114**, pp. 18548–18552, NOV 4 2010. Times Cited: 4 (from Web of Science).
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- [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.
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### **Book chapters:**

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