

Publications (V. I. Merkulov)

1. "Effects of spatial separation on the growth of vertically aligned carbon nanofibers produced by plasma-enhanced chemical vapor deposition", **V. I. Merkulov**, A. V. Melechko, M. A. Guillorn, D. H. Lowndes, and M. L. Simpson, *Appl. Phys. Lett.*, in press.
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3. "Operation of a gated field emitter using an individual carbon nanofiber cathode", M. A. Guillorn, A. V. Melechko, **V. I. Merkulov**, E. D. Ellis, C. L. Britton, M. L. Simpson, D. H. Lowndes, L. R. Baylor, *Appl. Phys. Lett.* 79, 3506-3508 (2001).
4. "Alignment mechanism of carbon nanofibers produced by plasma-enhanced chemical vapor deposition", **V. I. Merkulov**, A. V. Melechko, M. A. Guillorn, D. H. Lowndes, and M. L. Simpson, *Appl. Phys. Lett.* 79, 2970-2972 (2001).
5. "Shaping carbon nanostructures by controlling the synthesis process", **V. I. Merkulov**, M. A. Guillorn, D. H. Lowndes, M. L. Simpson, and E. Voelkl, *Appl. Phys. Lett.* 79, 1178-1180 (2001).
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9. "Effect of catalyst film thickness on carbon nanotube growth by selective area chemical vapor deposition", Y. Y. Wei, G. Eres, **V. I. Merkulov**, D. H. Lowndes , *Appl. Phys. Lett.* **78**: 1394-1396, 2001.
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11. "Patterned Growth of Individual and Multiple Vertically-Aligned Carbon Nanotubes", **V. I. Merkulov**, D. H. Lowndes, Y. Y. Wei, G. Eres, and E. Voelkl, *Appl. Phys. Lett.* **76**, 3555 (2000).
12. "In Situ Plasma Diagnostic Investigations of Single-Wall Carbon Nanotube Synthesis by Laser Ablation of C-Ni-Co Targets", D. B. Geohegan, A. A. Puretzky, X. Fan, M. A. Guillorn, M. L. Simpson, **V. I. Merkulov**, S. J. Pennycook, p. 2-13 in *Laser Plasma Generation and Diagnostics*, Proceedings of the SPIE, vol. 3935 (2000).
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