

## C5.1 (W. Wenzel)

- [C5.1:1] \* F. Hennrich, K. Arnold, S. Lebedkin, A. Quintillá, W. Wenzel, and M.M. Kappes *Diameter sorting of carbon nanotubes by gradient centrifugation: role of endohedral water*, phys. stat. sol. (b) **244**, 3896 (2007)
- [C5.1:2] ‡ E.-J. Hong, K.-H. Lee, and W. Wenzel, *RMSD computation for clusters of identical particles*, Int. J. Biol. and Biomed. Eng. **1**, 50 (2007)
- [C5.1:3] \* T. Schröder; A. Quintilla, J. Setzler, E. Birtalan, W. Wenzel, and S. Bräse, *Joint experimental and theoretical investigation of the propensity of peptoids as drug carriers*, WSEAS Trans. Biol. Biomed. **4**, 120 (2007)
- [C5.1:4] ‡ J.J. Kwiatkowski, J. Nelson, H. Li, J. L. Bredas, W. Wenzel, and C. Lennartz, *Simulating charge transport in tris(8-hydroxyquinoline) aluminium (Alq3)*, Phys. Chem. Chem. Phys. **10**, 1852 (2008)
- [C5.1:5] F.Q. Xie, R. Maul, S. Brendelberger, T. Schimmel, G. Schön, and W. Wenzel, *Preselectable integer quantum conductance of electrochemically fabricated silver point contacts*, Appl. Phys. Lett. **93**, 043103 (2008)
- [C5.1:6] ‡ E.B. Starikov, A. Quintilla, K.H. Lee, and W. Wenzel, *Conformational dependence of DNA ballistic conductivity*, J. Chem. Phys (Communication), J. Chem. Phys. **129**, 5 (2008)
- [C5.1:7] ‡ W. Wenzel, J.J. Kwiatkowski, J. Nelson, H. Li, L. Bredas, and C. Lennartz, *Analysis of charge transport pathways in disordered organic conductors*; Thin Solid Films (in press) : also: talk at the SPIE Optoelectronics Conference, March 2008 Strasbourg and talk at European Materials Research Society Spring Meeting, Strasbourg, May 26-30, 2008
- [C5.1:8] \* S. Behrens, W. Habicht, W. Wenzel, and K.J. Böhm, *Deposition of Palladium Nanoparticles on Self-Assembled, Zinc-Induced Tubulin Macrotubes and Sheets*, J. Nanosci. Nanotechnol. **9**, 6858 (2009)
- [C5.1:9] \* F.-Q. Xi, R. Maul, A. Augenstein, Ch. Obermair, E.B. Starikov, W. Wenzel, G. Schön, and Th. Schimmel, *Independently switchable atomic transistors with predefined quantum conductance by reversible contact reconstruction*, Nano Lett. **8**, 4493 (2008)
- [C5.1:10] ‡ E.B. Starikov, A. Quintilla, C. Nganou, K. H. Lee, and W. Wenzel, *Single-molecule DNA conductance in water solutions: Role of DNA low-frequency dynamics*, Chem. Phys. Lett. **467**, 369 (2009)
- [C5.1:11] \* R. Maul, J. Starikov, G. Schön, and W. Wenzel, *A recursive Greens'-Function Approach for Coherent Transport in Extended Metallic Junctions and Molecular Wires*, Phys. Rev. B **80**, 045424 (2009)
- [C5.1:12] \* M. Meng, C. Ahlborn, M. Bauer, O. Plietzsch, S.A. Soomro, A. Singh, T. Muller, W. Wenzel, S. Bräse, and C. Richert, *Two Base Pair Duplexes Suffice to Build a Novel Material*, ChemBioChem **10**, 1335 (2009)
- [C5.1:13] ‡ S. Behrens, A. Heyman, R. Maul, S. Essig, S. Steigerwald, A. Quintilla, W. Wenzel, J. Bürck, O. Dgany, and O. Shoseyov, *Constrained Synthesis and Organization of Catalytically Active Metal Nanoparticles by Self-Assembled Protein Templates*, Adv. Mater. **21**, 3515 (2009) (Cover)
- [C5.1:14] \* F.Q. Xie, R. Maul, Ch. Obermair, W. Wenzel, G. Schön, and Th. Schimmel, *Multi-Level Atomic-Scale Transistors based on Metallic Quantum Point Contacts*, Adv. Mater. **22**, 2033 (2010)
- [C5.1:15] C. Howell, R. Maul, W. Wenzel, and P. Koelsch, *Interactions of hydrophobic and hydrophilic self-assembled monolayers with water as probed by sum-frequency-generation spectroscopy*, Chem. Phys. Lett. **494**, 193 (2010)

- [C5.1:16] K.V. Klenin and W. Wenzel, *A method for the calculation of rate constants from stochastic transition paths*, J. Chem. Phys. **132**, 104104 (2010)
- [C5.1:17] \* A. Quintilla, F. Hennrich, S. Lebedkin, M.M. Kappes, and W. Wenzel, *Influence of endohedral water on diameter sorting of single-walled carbon nanotubes by density gradient centrifugation*, Phys. Chem. Chem. Phys. **12**, 902 (2010)
- [C5.1:18] \* A. Singh, M. Tolev, M. Meng, K. Klenin, O. Plietzsch, C.I. Schilling, T. Muller, M. Nieger, S. Bräse, W. Wenzel, and C. Richert, *Branched DNA that Forms a Solid at 95 °C*, Angew. Chemie Int. Ed. **50**, 3227 (2010)
- [C5.1:19] \* F.A. Lemasson, T. Strunk, P. Gerstel, F. Hennrich, S. Lebedkin, C. Barner-Kowollik, W. Wenzel, M.M. Kappes, and M. Mayor, *Selective dispersion of single-walled carbon nanotubes with specific chiral indices by poly(N-decyl-2,7-carbazole)*, J. Am. Chem. Soc. **133**, 652 (2010)
- [C5.1:20] T. Strunk, K. Hamacher, F. Hoffgaard, H. Engelhardt, M. Zillig, K. Faist, W. Wenzel, and F. Pfeifer, *Structural Model of the Gas Vesicle Protein GvpA and Analysis of GvpA Mutants in vivo*, Mol. Microbiol. **81**, 56 (2011)