

SERGEI TRETIAK

Publications = 110; h-factor = 31; citations > 2700

Current citation metric (public): <http://www.researcherid.com/rid/B-5556-2009>

Nanoscience Related Publications

(Selected journal publications)

- 1 D.A. Yarotski, S.V. Kilina, A. Talin, S. Tretiak, O.V. Prezhdo, A.V. Balatsky, A.J. Taylor, "Scanning tunneling microscopy of DNA-wrapped carbon nanotubes," *Nano Letters*, **9**, 12-17 (2009).
- 2 V.K. Thorsmolle, R.D. Averitt, J. Demsar, D.L. Smith, S. Tretiak, R.L. Martin, X. Chi, B.K. Crone, A.P. Ramirez and A.J. Taylor, "Ultrafast exciton dynamics in polyacene organic semiconductors", *Phys. Rev. Lett.* **102** 017401 (2009).
- 3 C.Y. Wong, C. Curutchet, S. Tretiak, and G.D. Scholes, "Ideal dipole approximation fails to predict electronic coupling between semiconducting single wall carbon nanotubes", *J. Chem. Phys.* **130** 081104 (2009).
- 4 S. Kilina, S. Ivanov, V.I. Klimov, and S. Tretiak "Effect of Surface Ligands on Optical and Electronic Spectra of Semiconductor Nanoclusters", *J. Am. Chem. Soc.*, **131**, 7717-7726 (2009).
- 5 S. Kilina, E. Badaeva, S. Tretiak, A. Piryatinski, A. Saxena, and A.R. Bishop, "Bright and Dark Excitons in Semiconductor Carbon Nanotubes: Insights from electronic structure calculations", (journal cover page) *Phys. Chem. Chem. Phys.* **21**, 4113 - 4123 (2009).
- 6 S. F. Alberti, V. Kleiman, S. Tretiak, A. Roitberg, "Nonadiabatic molecular dynamics simulations of the energy transfer between building blocks in a phenylene ethynylene dendrimer", *J. Phys. Chem. A*, **113**, 7535-7542 (2009).
- 7 F. Terenziani, C. Katan, M. Blanchard-Desce, E. Badaeva, and S. Tretiak, "Enhanced two-photon absorption of organic chromophores: theoretical and experimental assessments", *Adv. Mat.* (Review Article, journal cover page) **20** 1-38 (2008).
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- 11 S. Kilina, E.R. Batista, P. Yang, S. Tretiak, A. Saxena, R.L. Martin, and D.L. Smith "Electronic structure of amorphous polyfluorene aggregates", *ACS Nano* **2** 1381-1388 (2008).
- 12 P. Yang, S. Tretiak, A.E.Masunov, and S. Ivanov, "Quantum Chemistry of the Minimal CdSe Clusters", *J. Chem. Phys.* **129** 074709 (2008).

- 13 C. Wu, S. Malinin, S. Tretiak, and V. Chernyak, "Exciton Scattering Approach for branched conjugated molecules and complexes I: Formalism," J. Chem. Phys. **129** 174111, 174112, 174113 (2008).
- 14 J. Tao, S. Tretiak, and J.-X. Zhu, "Absorption spectra of blue-light emitting oligoquinolines from time-dependent density functional theory", J. Phys. Chem. B **112** 13701-13710 (2008).
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