Optical properties of DNA-hosted silver clusters

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Curriculum Vitae

Nemanja Markešević

16 May 1985	Born in Čačak, Serbia
1992-2004	Primary and secondary education, Čačak, Serbia
2000-2004	Research activities at the Republic Center for Talented Students (focus on amorphous alloys), Serbia
2004-2010	Faculty of Physics, department of Theoretical and Experimental Physics, Belgrade, Serbia
	Diploma Thesis: *Morphologies of thin TPD films* (Thesis supervisor: dr. Vojislav Srdanov)
2010-2011	Researcher at the Institute of Physics (focus on organic materials for light emitting devices)
2011-2015	Ph.D. researcher at Leiden University, department of Quantum Matter and Optics, the Netherlands
	Thesis: *Optical properties of DNA-hosted silver clusters* (Thesis supervisor: prof. dr. Dirk Bouwmeester)
	My research has been presented at Dutch and international conferences and workshops
	Teaching assistant for Signal and Noise Processing, and for Physics Research Laboratory
	Research and thesis supervisor of four bachelor students and one master student
2016-	Postdoctoral researcher at the Langevin Institute, department of Optical Antennas, Paris, France (Supervisor: dr. Sébastien Bidault)

List of publications

- **N. Markešević**, S. M. Copp, D. de Bruin, S. S. R. Oemrawsingh, E. G. Gwinn and D. Bouwmeester, *Optical properties of the DNA-hosted silver clusters on DNA tiles and tubes*, in preparation. (Chapter 4 of this thesis)

- **N. Markešević**, S. S. R. Oemrawsingh, D. Schultz, E. Gwinn, D. Bouwmeester, *Polarization resolved measurements of individual DNA-stabilized silver clusters*, Adv. Optical Mater., **2**, 765-770 (2014). (Chapter 3 of this thesis)

- Z. Tomović, **N. Markešević**, M. Scarpellini, S. Bovio, E. Luccenti, P. Milani, R. Zikic, V. P. Jovanović, V. I. Srdanov, *Stabilization of N,N-bis(3-methylphenyl)-N,N-bis (phenyl) benzidine thin film morphology with UV light*, Thin solid films, **562**, 99-103 (2014).

- D. Schultz, S. M. Copp, **N. Markešević**, K. Gardner, S. S. R. Oemrawsingh, D. Bouwmeester, E. Gwinn, *Dual-color nanoscale assemblies of structurally stable, few-atom silver clusters, as reported by fluorescence resonance energy transfer*, ACS Nano, **7**, 9798-9807 (2013) .

- D. Schultz, K. Gartner, S. S. R. Oemrawsingh, **N. Markešević**, K. Olsson, M. Debord, D. Bouwmeester and E. G. Gwinn, *Evidence for rod-shaped DNA-stabilized nanocluster emitters*, Adv. Mater., **25**, 2797-2803 (2013).

- S. S. R. Oemrawsingh, **N. Markešević**, E. G. Gwinn, E. R. Eliel and D. Bouwmeester, *Spectral properties of individual DNA-hosted silver nanoclusters at low temperatures*, J. Phys. Chem. C, **116**, 25568-25575 (2012). (Chapter 2 of this thesis)

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