

*Prof. Nicholas A. Kotov*

Departments of Chemical Engineering  
Biointerfaces Institute

University of Michigan Research Complex  
2800 Plymouth Rd.

web: [www.umkotov.org](http://www.umkotov.org)

Email: [kotov@umich.edu](mailto:kotov@umich.edu)

**ACADEMIC APPOINTMENTS**

**2012-present** Joseph B. and Florence V. Cejka Professor of Engineering, University of Michigan, Ann Arbor, MI

**INDUSTRIAL AND ENTREPRENEURIAL APPOINTMENTS**

**2017-present** Founder, Advanced LIDAR Semantics (ALISE), Ypsilanti, MI, USA

**2015-present** Board of Directors, Elegus Technologies, Ann Arbor, MI, USA

**SELECTED PUBLICATIONS**

**Cumulative citation data for Google Scholar: total citations >52,000; h-factor 119**

Shuang Jiang, et al. Chiral Ceramic Nanoparticles of Tungsten Oxide and Peptide Catalysis, *Journal of the American Chemical Society*, 2017, 139 (39), 13701–13712.

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C. Batista-Silvera, R. Larson, N. A. Kotov, Non-Additivity of Nanoparticle Interactions, *Science*, 2015, 350 (6257) 1242477: DOI: 10.1126/science.1242477.

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J. H. Bahng, B. Yeom, Y. Wang, S. O. Tung, N.A. Kotov, Anomalous Dispersions of Hedgehog Particles, *Nature*, 2015, 517, 596–599.

T. Hu, B. P. Isaacoff, J. H. Bahng, C. Hao, Y. Zhou, J. Zhu, X. Li, Z. Wang, S. Liu, C. Xu, J. S. Biteen, N. A. Kotov, Self-Organization of Plasmonic and Excitonic Nanoparticles into Resonant Chiral Supraparticle Assemblies, *Nano Letters*, 2014, 14 (12), 6799–6810.

Zhao Y., Xu L., Ma W., Wang L., Kuang H., Xu C., Kotov N.A., Shell-Engineered Chiroplasmonic Assemblies of Nanoparticles for Zeptomolar DNA Detection, *Nano Lett.*, 2014, 14 (7) 3908–3913.

Wu, X.; Xu, L.; Liu, L.; Ma, W.; Yin, H.; Kuang, H.; Wang, L.; Xu, C.; Kotov, N.A. Unexpected Chirality of Nanoparticle Dimers and Ultrasensitive Chiroplasmonic Bioanalysis. *J. Am. Chem. Soc.*, 2014, 135(49), 18629–18636.