Qualifications

Ph.D. Rensselaer Polytechnic Institute, Advisor: Prof. Pulickel Ajayan, Rensselaer Polytechnic Institute  
2002 → 2005

M.Eng. Ph.D. Rensselaer Polytechnic Institute, Advisor: Prof. Pulickel Ajayan, Rensselaer Polytechnic Institute  
2000 → 2002

B.Tech Indian Institute of Technology - Madras, Indian Institute of Technology - Madras  
1996 → 2000

Employment

Professor of Nanomaterials  
Academic (Teaching & Research) Professor  
Materials Engineering  
The University of Manchester  
1 Aug 2019 → present

Senior post-doctoral research associate  
Massachusetts Institute of Technology  
Cambridge, United States  
1 Oct 2009 → 1 Sept 2010

Research output

Tuneable electrohydrodynamics of core-shell graphene oxide vortex rings  
Shao, Y., Nie, K., Iliut, M., Box, F., Luan, D., Shen, Y., Wang, W., Sampson, W., Dierking, I. & Vijayaraghavan, A., 1 Apr 2023, In: Journal of Molecular Liquids.

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Development of an open-source thermally stabilized quartz crystal microbalance instrument for biomolecule-substrate binding assays on gold and graphene
Melendrez Armada, D., Hampitak, P., Jowitt, T., Iliut, M. & Vijayaraghavan, A., 2021, In: Analytica Chimica Acta.

High-grip and hard-wearing graphene reinforced polyurethane coatings
Alberto, M., Iliut, M., Pitchan, M. K., Behnse, J. & Vijayaraghavan, A., 2021, In: Composites. Part B: Engineering.

Elastic flow instabilities and macroscopic textures in graphene oxide lyotropic liquid crystals
Wychowaniec, J., Iliut, M., Borek, B., Muryn, C., Mykhaylyk, O. O., Edmondson, S. & Vijayaraghavan, A., 26 Nov 2020, (Accepted/In press) In: n p j 2D Materials and Applications.

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