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CITATIONS OF YOUNG SCIENTIST AWARD WINNERS

Young Scientist Award 2012

Assistant Professor Chen Wei

Department of Chemistry & Department of Physics,

Faculty of Science

National University of Singapore

"For his research on interface engineering for molecular, organic and graphene electronics"

Dr Chen's research focuses on surface and interface science. He has carried out atomic-scale investigation of the interface problems for molecular, organic and graphene electronics. He has developed rational design approaches to self-assemble molecular nanostructure arrays over macroscopic area with superior multi-functionalities for molecular nano-devices, invented a simple and non-destructive surface transfer method to effectively dope graphene for graphene-based nano-devices, and unravelled the organic donor-acceptor heterojunction interface properties for organic solar cells.

Dr. Chen's achievements have gained international recognition in the surface and interface science communities. He has authored over 110 papers in top international journals, with more than 2000 citations and H index of 26. Four book chapters have also been authored. Dr. Chen is a recipient of the Lee Kuan Yew Research Fellowship (2006), Omicron Nanotechnology Award (2009), Hitachi Research Fellowship (2010), and NUS Young Investigator Award (2010).