

Citation for YRA 2012 – Dr Wu Jishan

Dr Wu Jishan is an accomplished scientist, who leads a team conducting cutting-edge research in organic chemistry, polymer chemistry, supramolecular chemistry and materials science.

He is a pioneer in the “bottom-up” synthesis of nano-sized graphenes. He has developed efficient methods to prepare soluble and stable zig-zag edged nano-graphenes, which show near infrared absorption/emission. These novel materials have practical applications for organic solar cells, bio-imaging, non-linear optics and defense-related technology.

Dr Wu is regarded as one of the most creative and productive young scientists in the area of novel aromatic pi-systems. He has published more than 95 peer-reviewed papers in international journals and books, and his current Hirsch index is 27. Twelve of his recent publications have been highlighted in other journals and magazines.

Dr Wu was awarded the prestigious NUS Young Investigator Award in 2007, Singapore National Academy of Science Young Scientist Award in 2010, and BASF-Singapore National Institute of Chemistry Award in Materials Chemistry in 2012.

Dr Wu, for your innovative contributions in the “bottom-up” synthesis of nano-sized graphenes and aromatic pi-systems, you deserve the NUS Young Researcher Award. Congratulations!