



Jun Hui SOH

Research Scientist

+65 6824 7193

jhsoh@nbl.a-star.edu.sg

Research Scientist, NanoBio Lab, Singapore, 2018-present

Research Scientist, Institute of Bioengineering and Nanotechnology, Singapore, 2017-2018

Postdoctoral Fellow, Institute of Bioengineering and Nanotechnology, Singapore, 2015-2017

Lab Officer, Institute of Bioengineering and Nanotechnology, Singapore, 2010-2011

Ph.D. in Materials, Imperial College London, United Kingdom, 2015

B.Eng. in Bioengineering (1st Class Honours), School of Chemical and Biomedical Engineering, Nanyang Technological University, Singapore, 2010

Publications

1. J. H. Soh, H.-M. Chan and J. Y. Ying, "Strategies for Developing Sensitive and Specific Nanoparticle-Based Lateral Flow Assays as Point-of-Care Diagnostic Device," *Nano Today*, 30 (2020) 100831. Impact Factor (IF) 16.582
2. A. A. AbdelHamid, J. H. Soh, Y. Yu, J. Y. Ying, "Graphene Oxide-Templated Synthesis of Ternary Oxide Nanosheets for High Performance Li-ion Battery Anodes," *Nano Energy*, 44 (2018) 399-410
3. J. H. Soh, Y. Lin, M. R. Thomas, N. Todorova, C. Kallepitis, I. Yarovsky, J. Y. Ying, M. M. Stevens, "Distinct Bimodal Roles of Aromatic Molecules in Controlling Gold Nanorod Growth for Biosensing," *Advanced Functional Materials*, 27 (2017) 1700523
4. S. Roy, J. H. Soh, J. Y. Ying, "A Microarray Platform for Detecting Disease-Specific Circulating miRNA in Human Serum," *Biosensors and Bioelectronics*, 75 (2016) 238-246
5. J. H. Soh, Y. Lin, S. Rana, J. Y. Ying, M. M. Stevens, "Colorimetric Detection of Small Molecules in Complex Matrixes via Target-Mediated Growth of Aptamer-Functionalized Gold Nanoparticles," *Analytical Chemistry*, 87 (2015) 7644-7652
6. J. H. Soh and Z. Gao, "Metal Nanoparticles in Biomedical Applications," *Complex-Shaped Metal Nanoparticles*, T. K. Sau and A. L. Rogach, Ed. Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim, Chapter 15 (2012) 477-519
7. S. Roy, J. H. Soh, Z. Gao, "A Microfluidic-Assisted Microarray for Ultrasensitive Detection of miRNA under an Optical Microscope," *Lab Chip*, 11 (2011) 1886-1894