

Publications List

Alana M. Soehartono

1. **AM Soehartono**, LYM Tobing, AD Mueller, DH Zhang, K-T Yong, "Conductive and capacitive coupling in tall plasmonic structures for sensing applications," (*in preparation*, 2019)
2. **AM Soehartono**, LYM Tobing, AD Mueller, DH Zhang, K-T Yong, "Hybrid transverse-longitudinal mode for high figure-of-merit plasmonic sensing in the visible spectrum," (*submitted*, 2019)
3. **AM Soehartono**, LYM Tobing, AD Mueller, DH Zhang, K-T Yong, "The role of height in significant improvement in sensing," (conference proceeding: *in preparation*, poster: *accepted*), Symposium C, ICMAT 2019, Singapore June 2019
4. N Panwar*, **AM Soehartono***, KK Chan, S Zeng, G Xu, J Qu, P Coquet, K-T Yong and Xi Chen, "Nanocarbons for Biology and Medicine: Sensing, Imaging, and Drug Delivery," submitted to Chemical Reviews (status: *post-peer review revisions*) (**Co-First Author**)
5. Z Han, **AM Soehartono**, B Gu, X Wei, KT Yong, Y Shi, "Tunable hybridization induced transparency for efficient terahertz sensing," 2019, Optics Express 27 (6), 9032-9039
6. **AM Soehartono***, AD Mueller*, LYM Tobing, KK Chan, DH Zhang, KT Yong, "Ultra-small v-shaped gold split ring resonators for biosensing using fundamental magnetic resonance in the visible spectrum," 2017, Nanotechnology 28 (40), 405305 (**Co-First Author**)
7. C Yang, KK Chan, WJ Lin, **AM Soehartono**, G Lin, H Toh, HS Yoon, C-K Chen, K-T Yong "Biodegradable nanocarriers for small interfering ribonucleic acid (siRNA) co-delivery strategy increase the chemosensitivity of pancreatic cancer cells to gemcitabine," 2017, Nano Research 10 (9), 3049-3067.
8. **AM Soehartono**, L Hong, G Yang, P Song, HKS Yap, KK Chan, PHJ Chong, K-T Yong "Miniaturized Fluidic Devices and Their Biophotonic Applications," 2017, Handbook of Photonics for Biomedical Engineering, 893-939
9. DJH Tng, P Song, G Lin, **AM Soehartono**, G Yang, C Yang, F Yin, CH Tan, K-T Yong, "Synthesis and characterization of multifunctional hybrid-polymeric nanoparticles for drug delivery and multimodal imaging of cancer," 2015, International journal of nanomedicine 10, 5771
10. F Atry, S Frye, TJ Richner, SK Brodnick, **A Soehartono**, J Williams, R Pashaie, "Monitoring cerebral hemodynamics following optogenetic stimulation via optical coherence tomography," 2014, IEEE Transactions on Biomedical Engineering 62 (2), 766-773
11. S Frye, **AM Soehartono**, F Atry, R Pashaie, "Optogenetic angiographic interrogation of cortical microvasculature via real time quantitative optical coherence tomography," 2014, SPIE Photonics West 2014, San Francisco, CA, USA.

12. S Frye, **AM Soehartono**, F Atry, R Pashaie, “Real-time multimodal microvasculature imaging by spectral domain optical coherence tomography,” 2013, Proceedings of the 2013 Great Lakes Biomedical Conference, Waukesha, WI, USA.