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Prof. Y. J. Song got his Ph. D. in department of Physics, Seoul National University (SNU), Korea at 2006. And he worked as a postdoctoral researcher in National Institute of Standards and Technology (NIST), US by 2011, where he developed a 10 mK scanning probe microscopy (SPM) with 15 T magnet and investigated the magnetic quantization of graphene. Since then, he has been working in Sungkyunkwan University (SKKU). Currently he research area is characterizing the electronic and optical properties of nano materials in atomic or nano scale, e.g., graphene, h-BN, TMD, MXene, perovskite and Li metal by utilizing STM, AFM, KPFM, MFM, SGM and sNSOM techniques.