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Kyoungja Woo is currently a principal research scientist of Korea Institute of Science and Technology (KIST). She joined the KIST in 1997 and served as the Head of Nano-Materials Research Center from 2009 to 2012. Also, she served as a professional committee member for space development of the Ministry of Science and Technology from 2004 to 2008. Prior to joining the KIST in 1997, she was a postdoctoral fellow at University of California, Santa Barbara (1995–1996). She received B. Sc. with honoring as a valedictorian graduate and M. Sc. in Chemistry from Korea University (1983–1989), and Ph. D. in Chemistry from Brown University (1990–1994). Her major research interests are synthesis and applications of nanoparticles (metal oxide, quantum dot, and metal) and multifunctional inorganic nanocomposites. She published many distinguished papers including many patents, a book chapter, and a translated book (Presentation speech of Nobel Prize in Chemistry). She was awarded the prime minister's award in 2004 for her contribution to the science and technology development of Korea, and the person of KIST in July 2013 for her achievement in science and technology and honoring KIST.