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## Facile synthesis and enhanced microwave absorption property of novel hierarchical heterostructures based on Ni microsphere/CuO nano-rice core-shell composite

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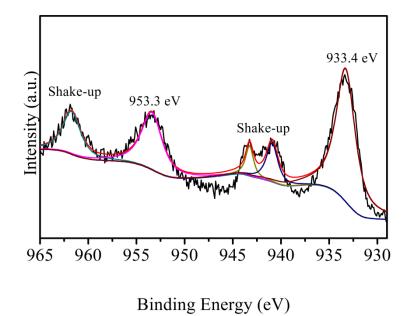
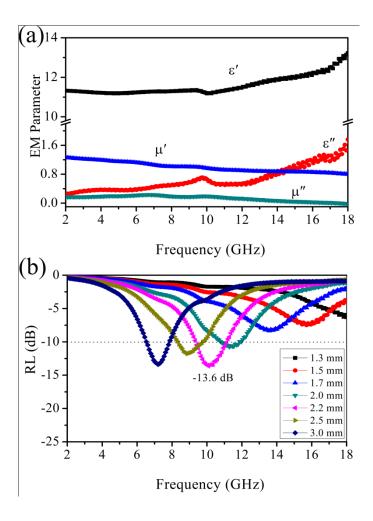


Fig.S1 Typical XPS spectrum of Cu 2p of the Ni/CuO sample



**Fig.S2** (a) The complex permittivity and permeability, (b) simulated reflection loss with various thicknesses of mixture of Ni microspheres and CuO nanoflakes.