

Optimizing the Heavy Metal Ion Sensing Properties of Functionalized Silver Nanoparticles: The Role of Surface Coating Density

Andrea Rossi ¹, Massimiliano Cuccioloni ^{2,*}, Lisa Rita Magnaghi ³, Raffaella Biesuz ³, Marco Zannotti ^{1,*}, Laura Petetta ¹, Mauro Angeletti ² and Rita Giovannetti ¹

¹ School of Science and Technology, Chemistry Division, University of Camerino, 62032 Camerino, Italy

² School of Biosciences and Veterinary Medicine, University of Camerino, 62032 Camerino, Italy

³ Department of Chemistry, University of Pavia, Viale Taramelli 12, 27100 Pavia, Italy

* Correspondence: massimiliano.cuccioloni@unicam.it (M.C.); marco.zannotti@unicam.it (M.Z.); Tel.: +39-0373-403247 (M.C.)

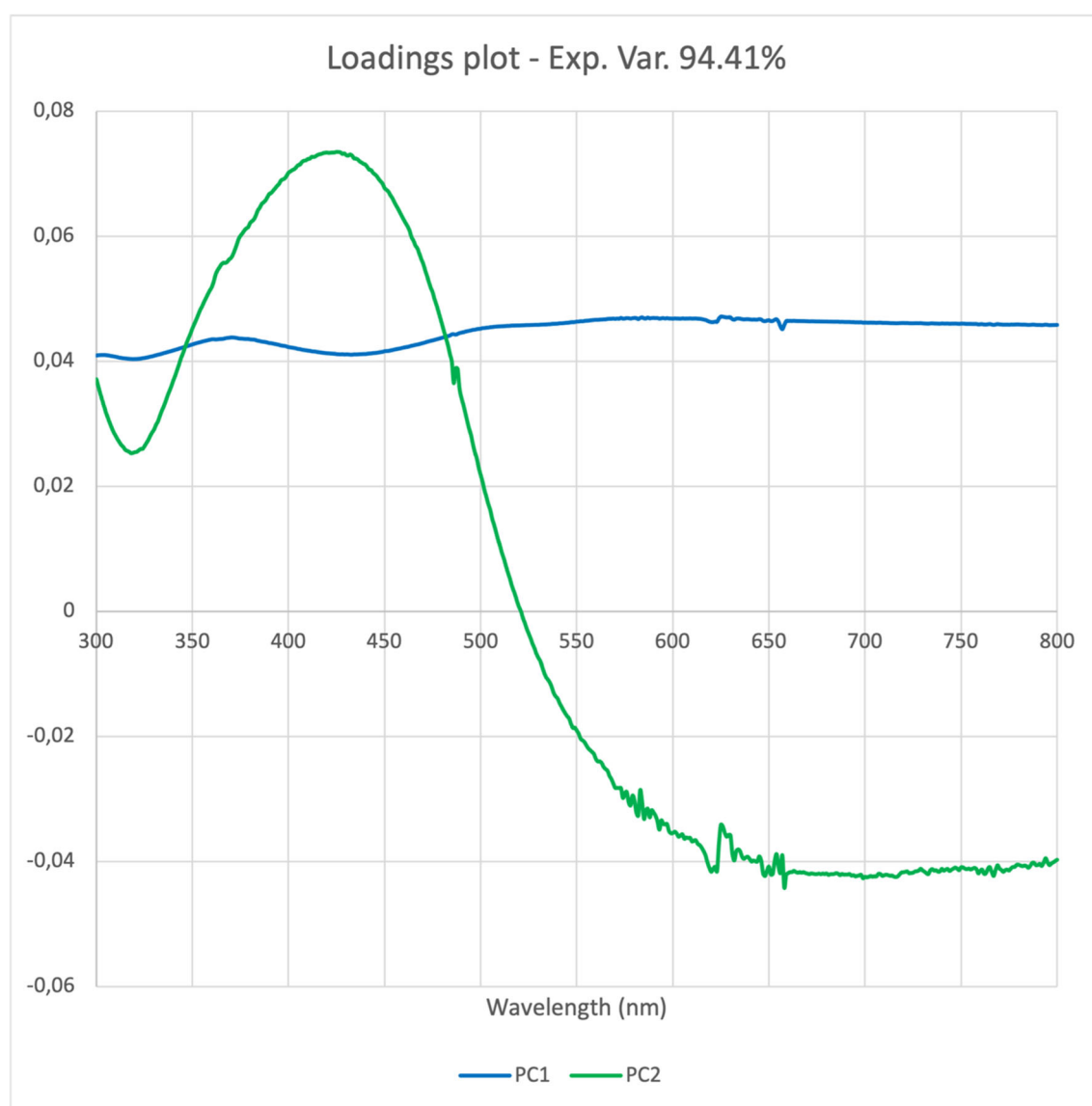


Figure S1. Loading plot for ML-AgNPs@11MUA

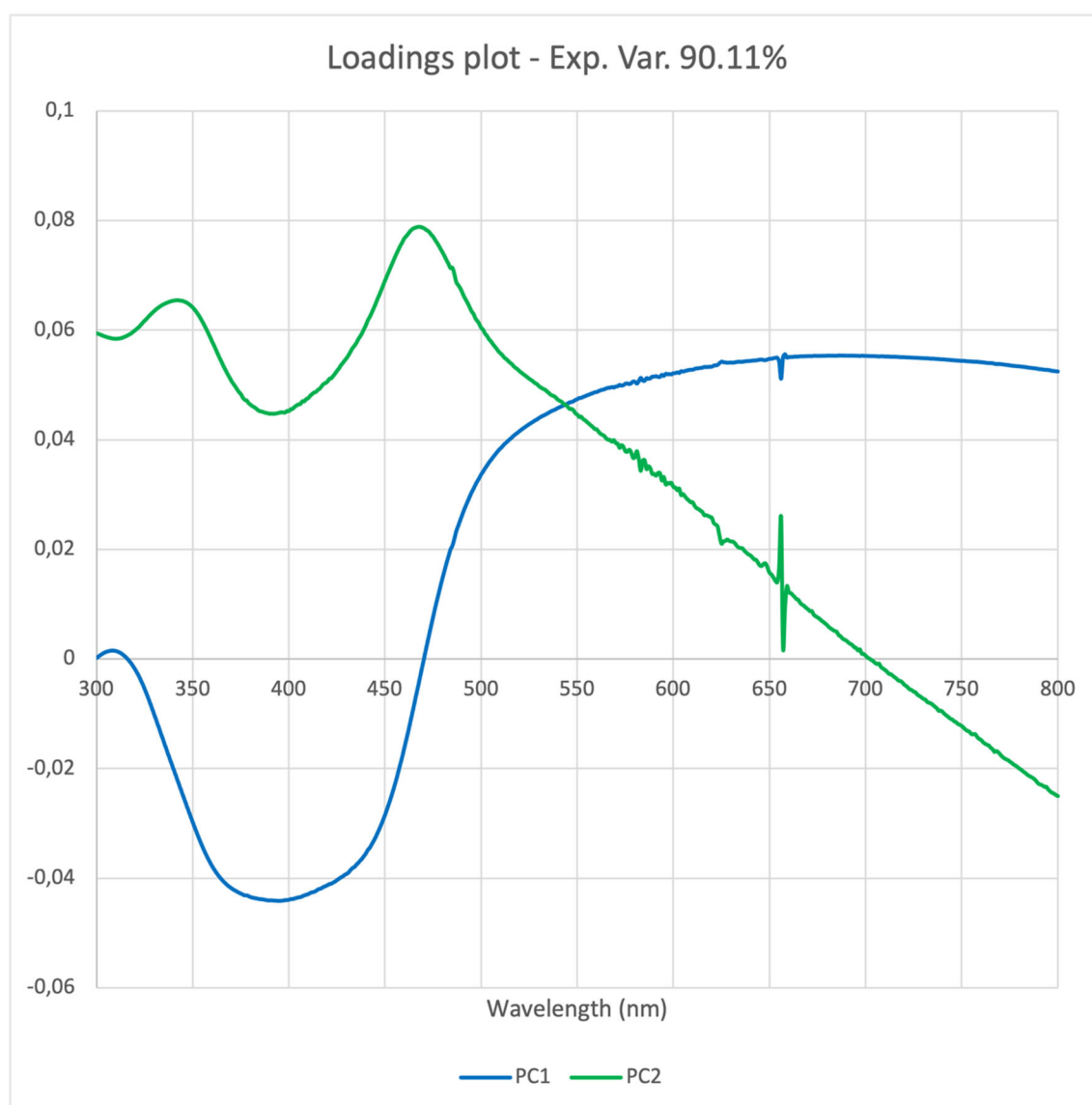


Figure S2. Loading plot for FL-AgNPs@11MUA

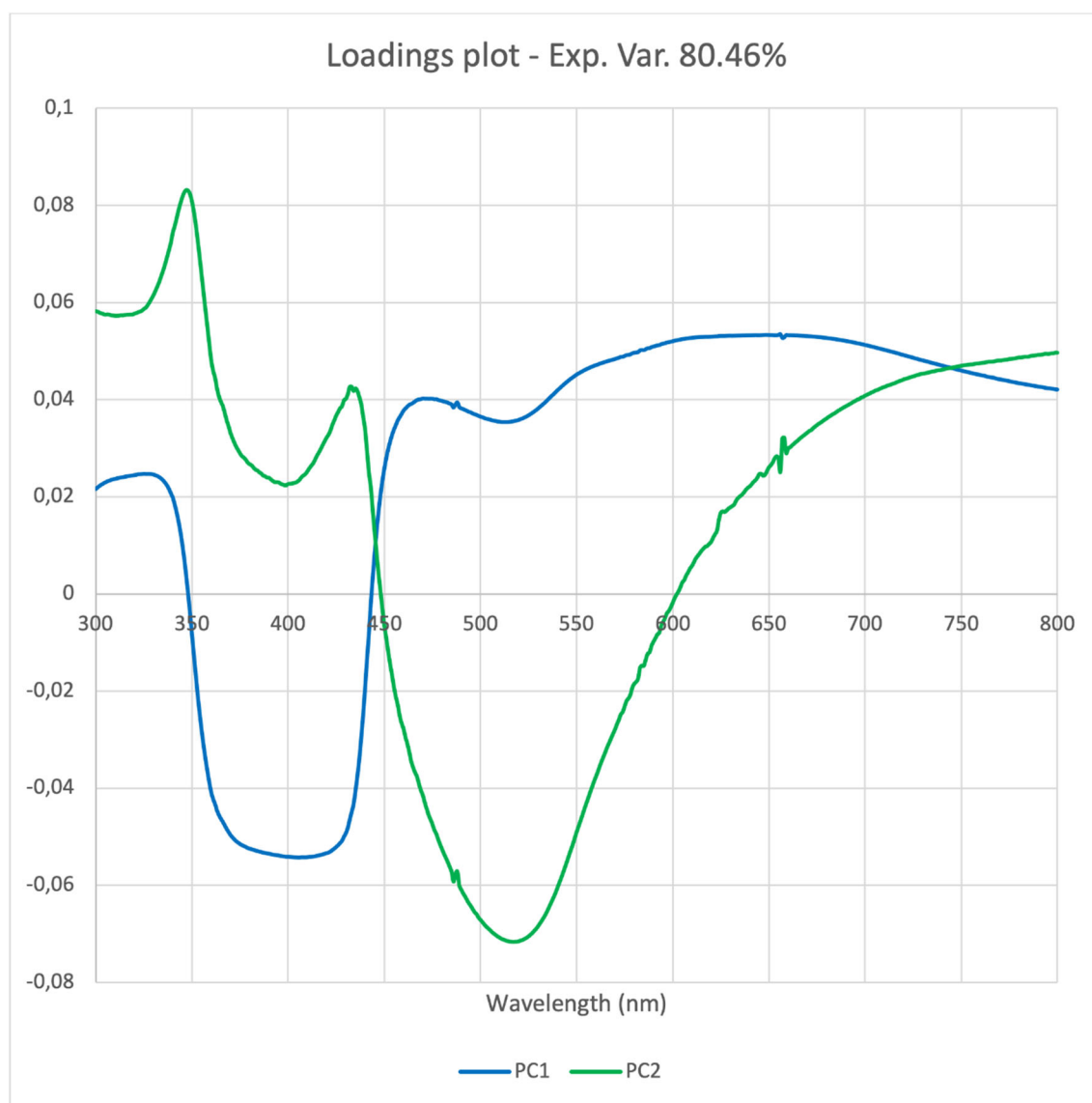


Figure S3. Loading plot for PL₁-AgNPs@11MUA

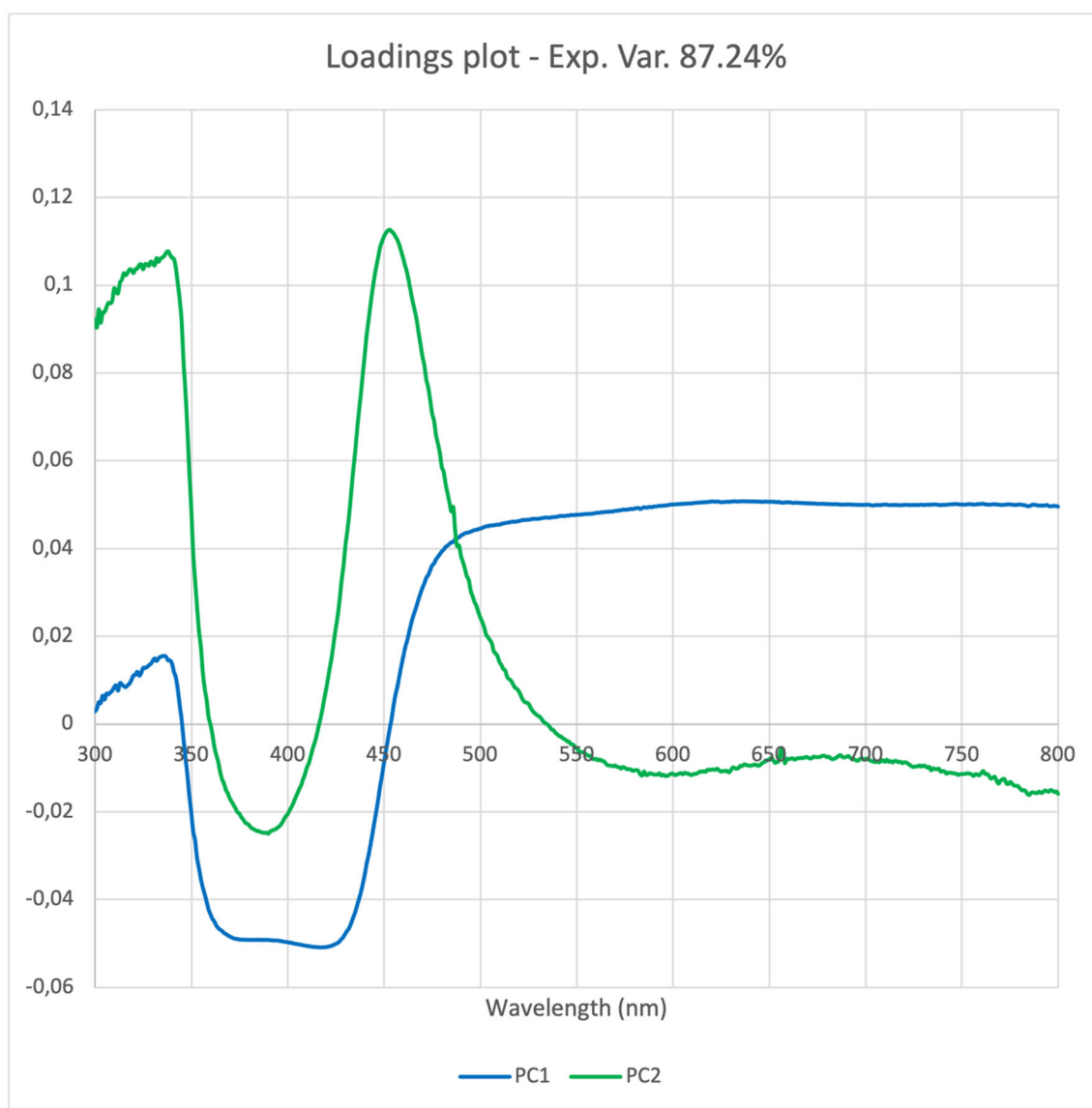


Figure S4. Loading plot for PL₂-AgNPs@11MUA

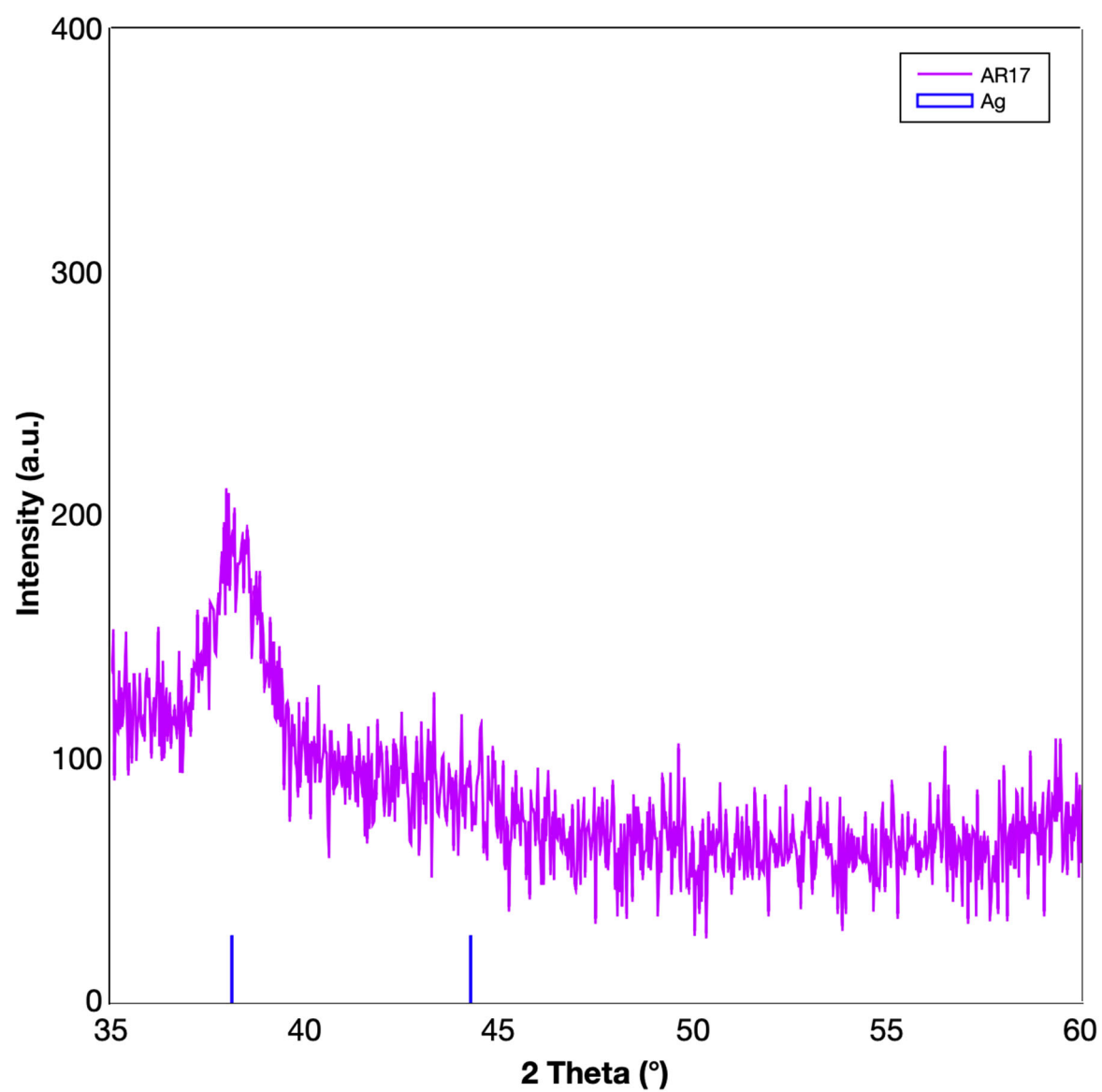


Figure S5. XRD spectrum of AgNPs.