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Supplementary Material

Evolution Analysis of Silver Nanoparticles Synthesized by Lactams Reduction: A Case Study of ϵ -Caprolactam

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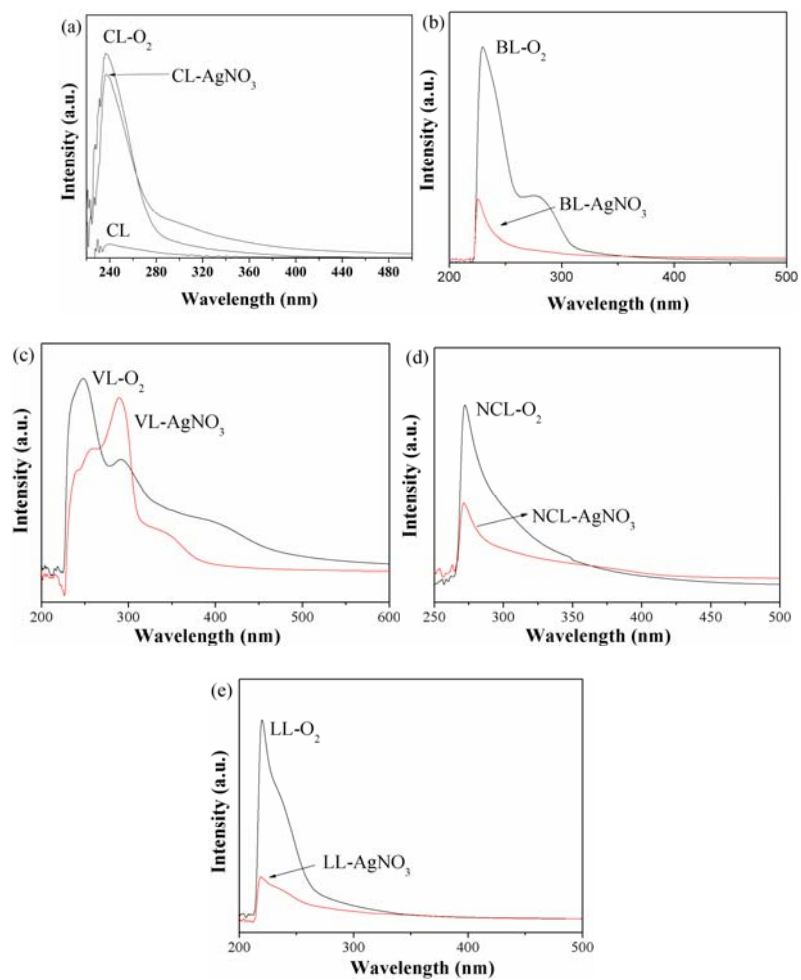


Fig. S1 UV-vis spectra of lactams oxidized by silver nitrate and oxygen.

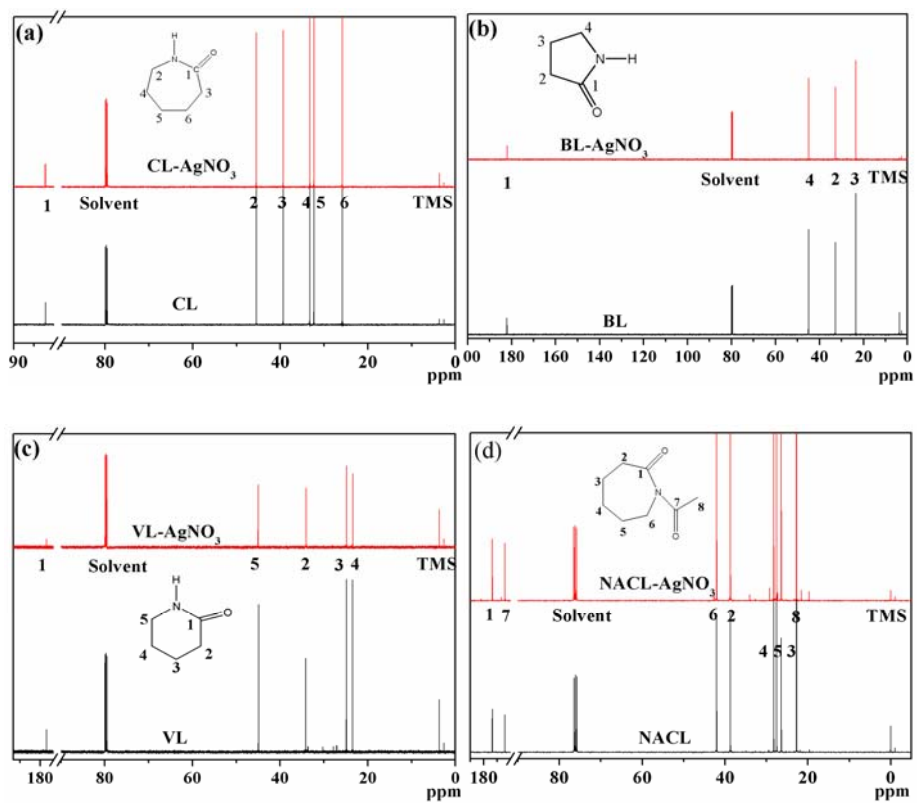


Fig. S2 ^{13}C -NMR spectra of lactams before and after oxidized by silver nitrate.

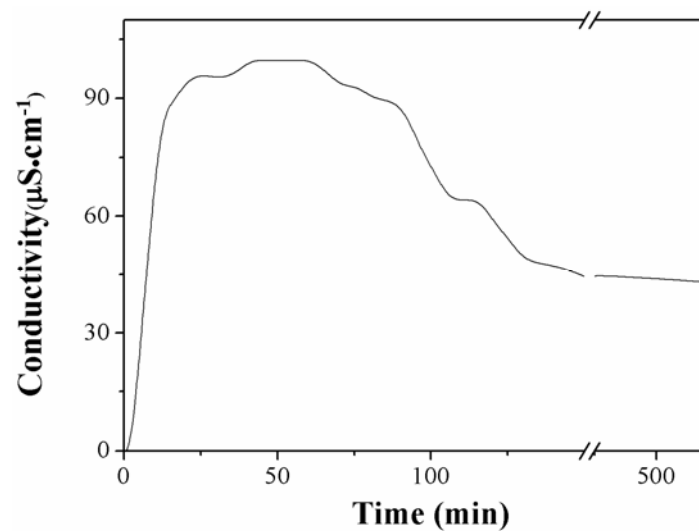


Fig. S3 Conductivity evolution of the mixture composed by silver nitrate and CL. The concentration of silver nitrate in molten CL was equal to the case used to illustrate the evolution of particle morphologies in Fig.7.