

Supporting information

***In-vitro* profiling and molecular dynamics simulation studies of berberine loaded MCM-41 mesoporous silica nanoparticles to prevent neuronal apoptosis**

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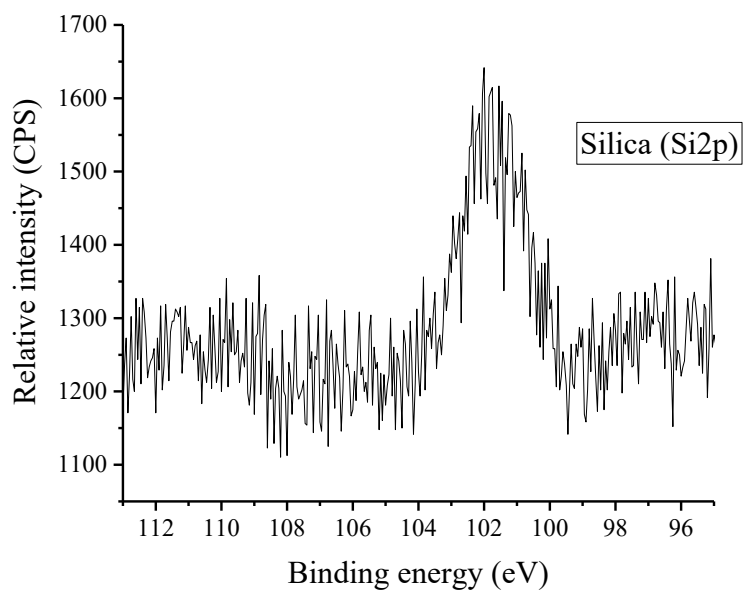
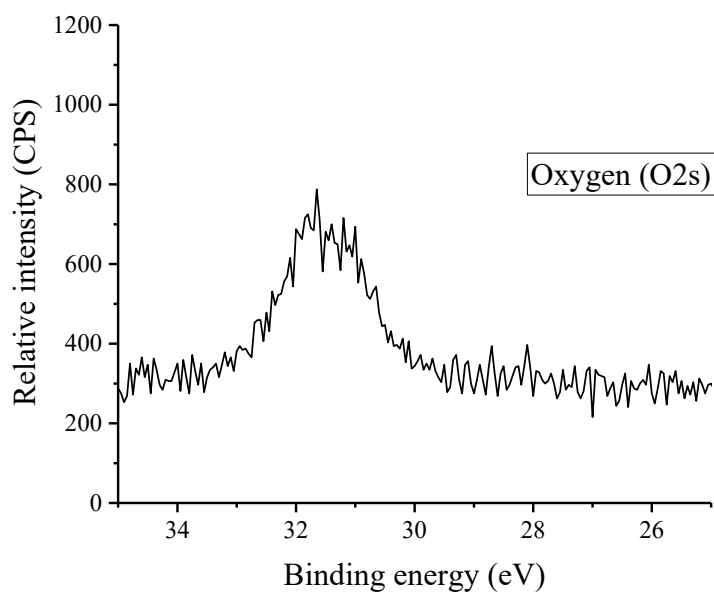
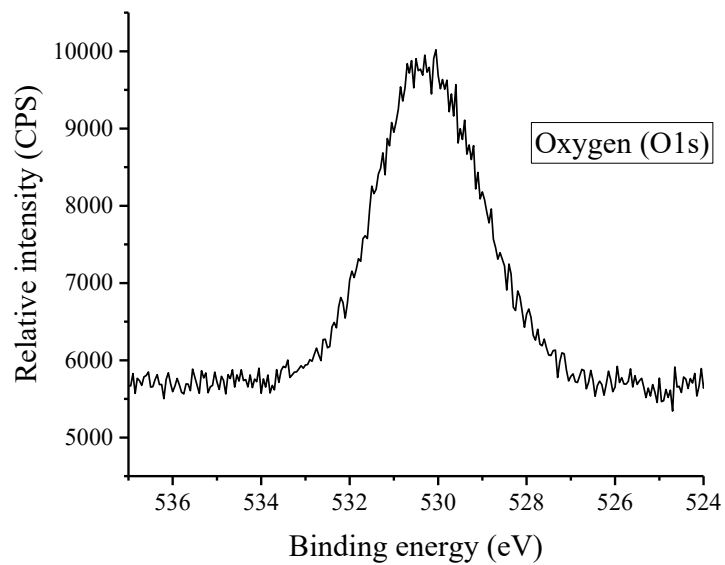
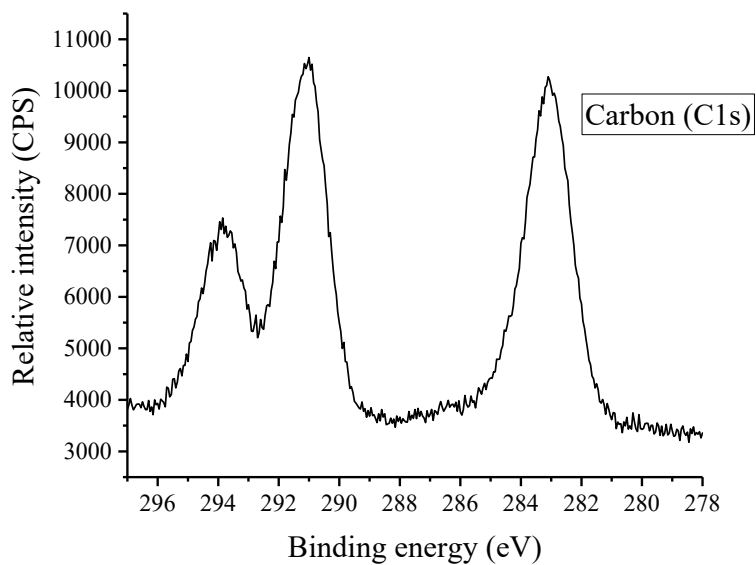
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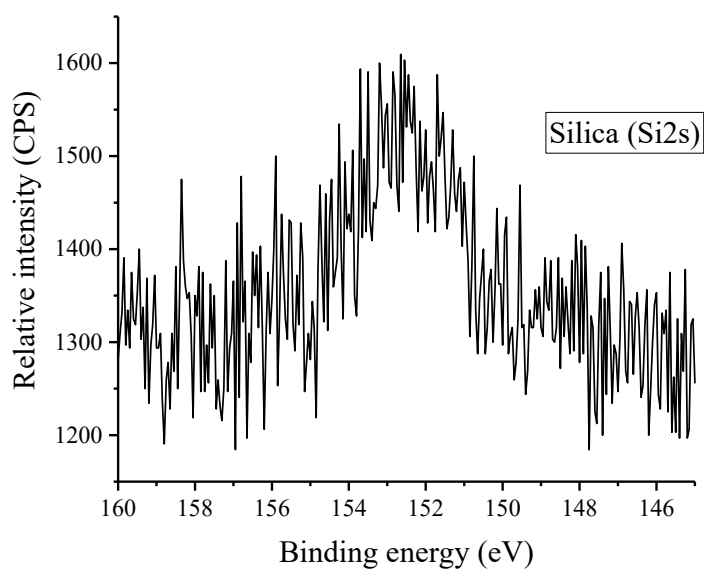


Fig S1. X-ray photoelectron spectroscopy (XPS) spectrum of MCM-41 (C1s, O1s, O2s, Si2p, Si2s).

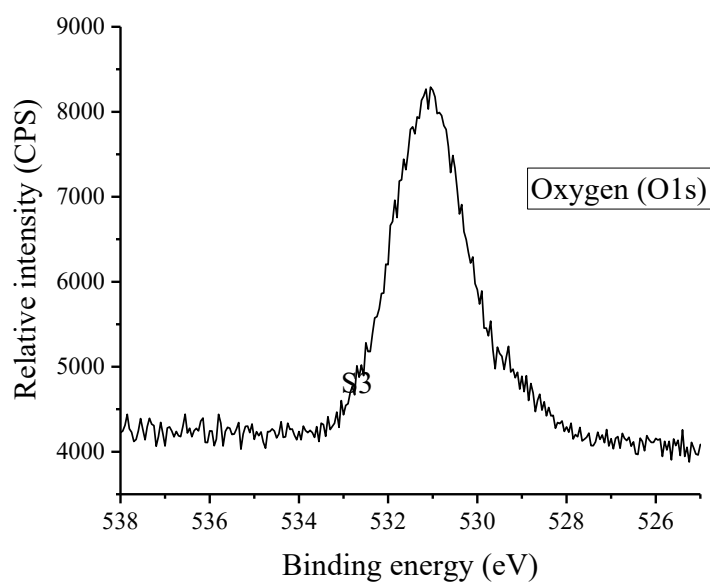
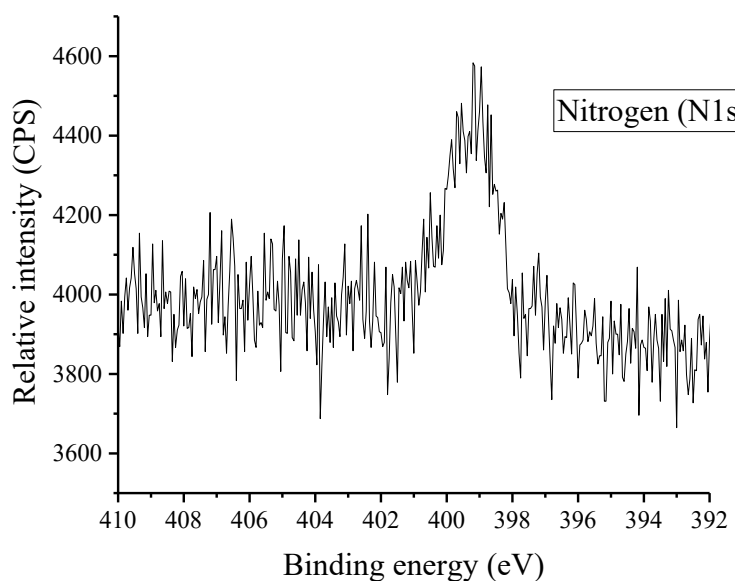
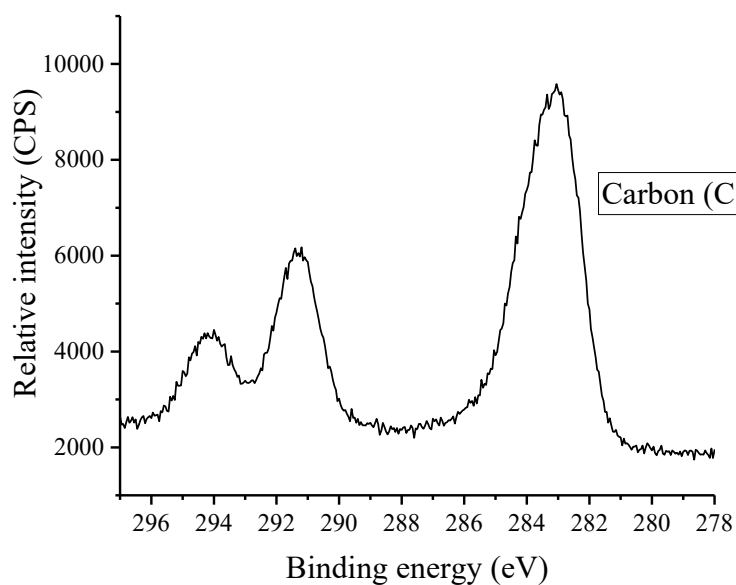
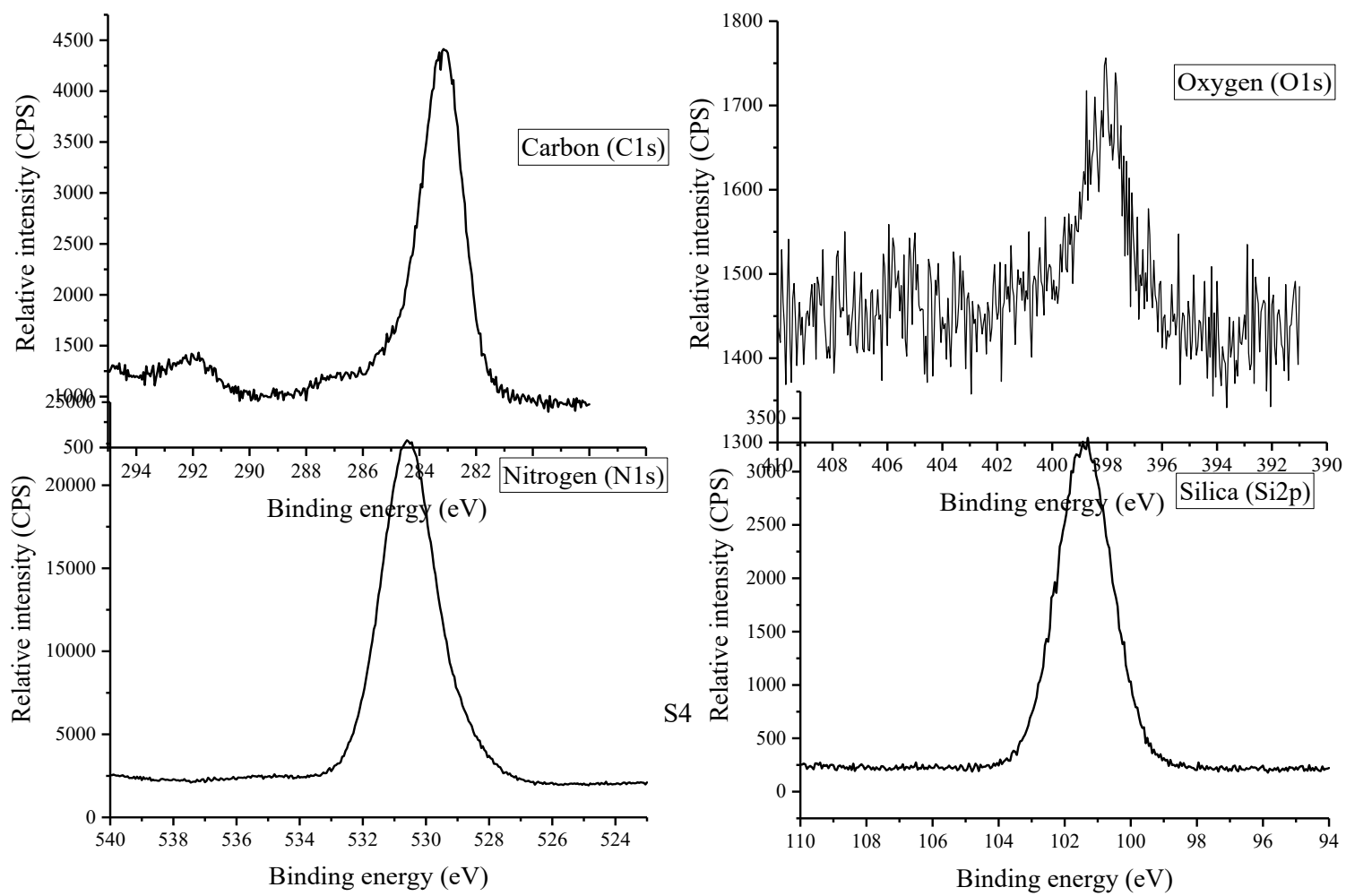


Fig S2. X-ray photoelectron spectroscopy (XPS) spectrum of BBR (C1s, N1s, O1s) (B).



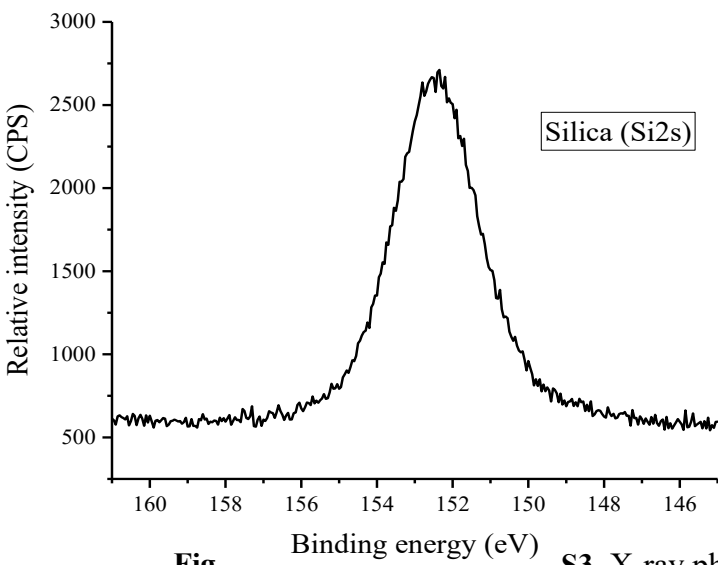


Fig S3. X-ray photoelectron spectroscopy (XPS) spectrum of MSNs-BBR (C1s, O1s, N1s, Si2p, Si2s) (C).

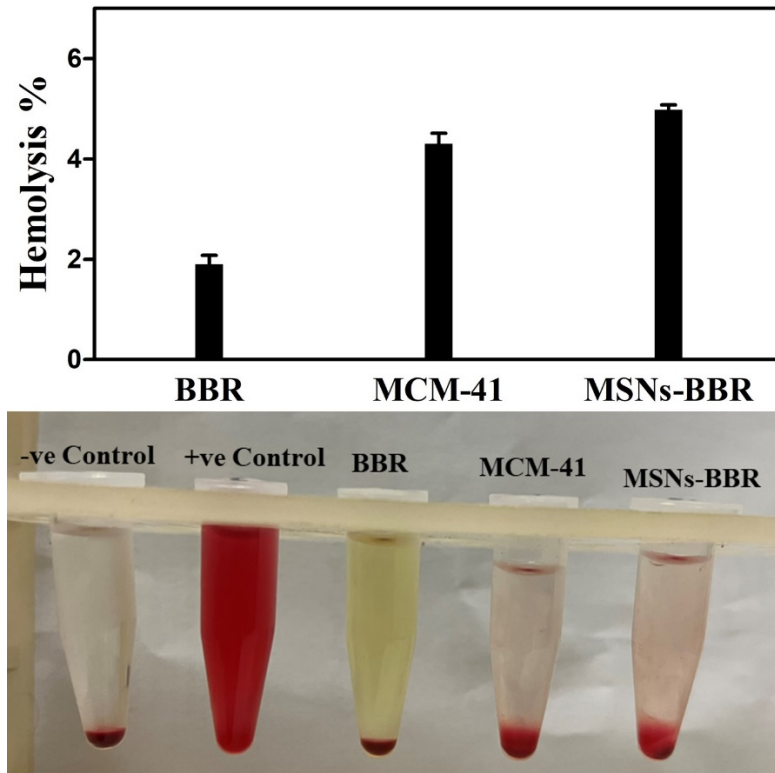


Fig. S4 Results of hemolytic toxicity study.