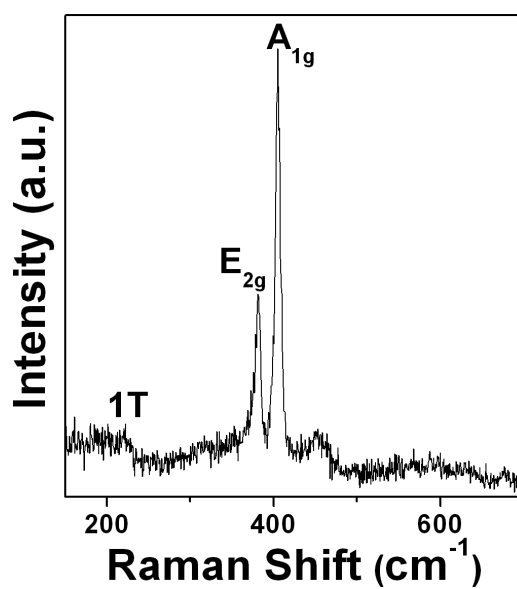


## Supporting Information

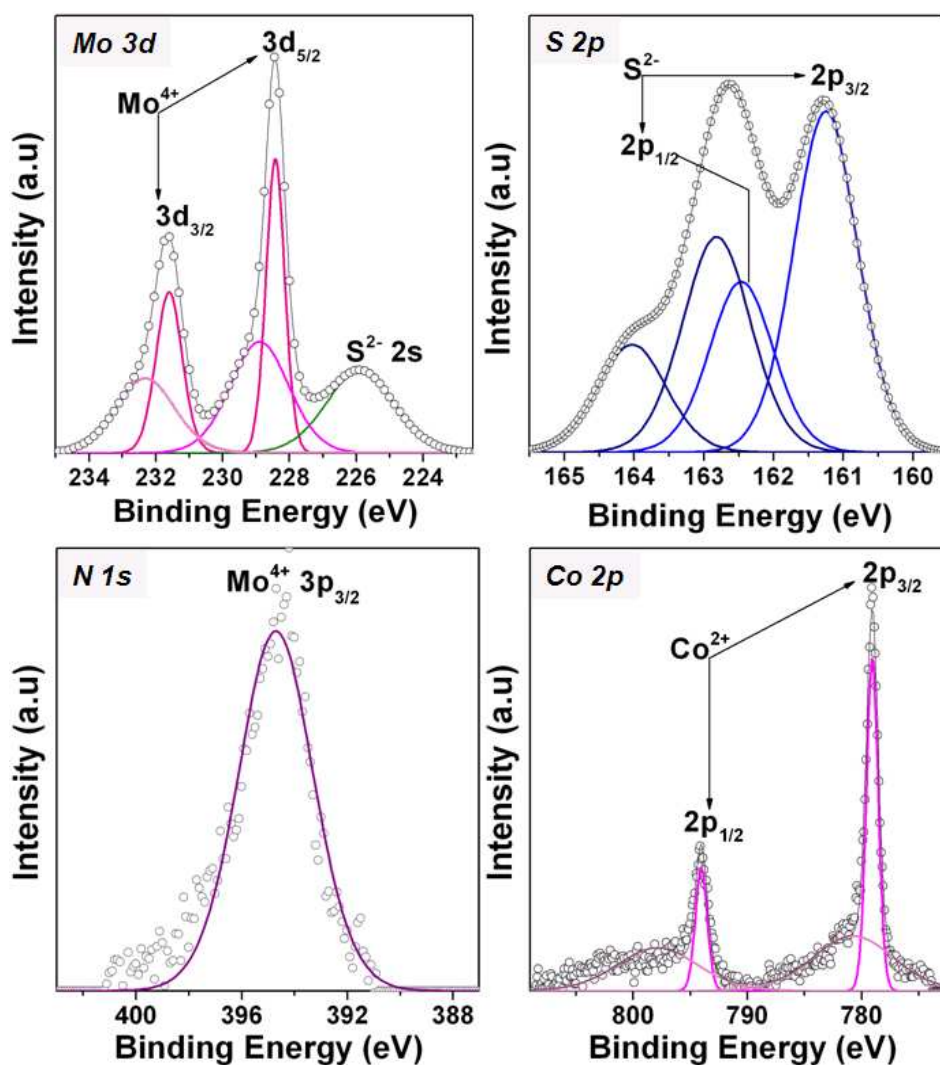
### Magnetic Co-doped MoS<sub>2</sub> nanosheets for efficient Catalysis of Nitroarene Reduction

Nethravathi C., Janak Prabhu, Lakshmi Priya S., Michael Rajamathi\*

Materials Research Group, Department of Chemistry, St. Joseph's College, 36 Lalbagh Road, Bangalore 560027, India. \*E-mail: [mikerajamathi@rediffmail.com](mailto:mikerajamathi@rediffmail.com)



*Figure S1:* Raman spectrum of Co-doped MoS<sub>2</sub>



Binding Energies (eV)					
	Mo 3d	phase	S 2p	Co 2p	N 1s
Co <sub>0.1</sub> Mo <sub>0.78</sub> S <sub>2</sub>	228.4 & 231.6	1T	161.25 & 162.43	779.2 & 794.0	<i>absent</i>
	228.8 & 232.3	2H	162.81 & 164.02		

**Figure S2:** XPS spectra of showing Mo 3d, S 2p, N 1s and Co 2p core level peak regions of Co doped MoS<sub>2</sub> treated with 1N HCl. The binding energies are summarized in the table.