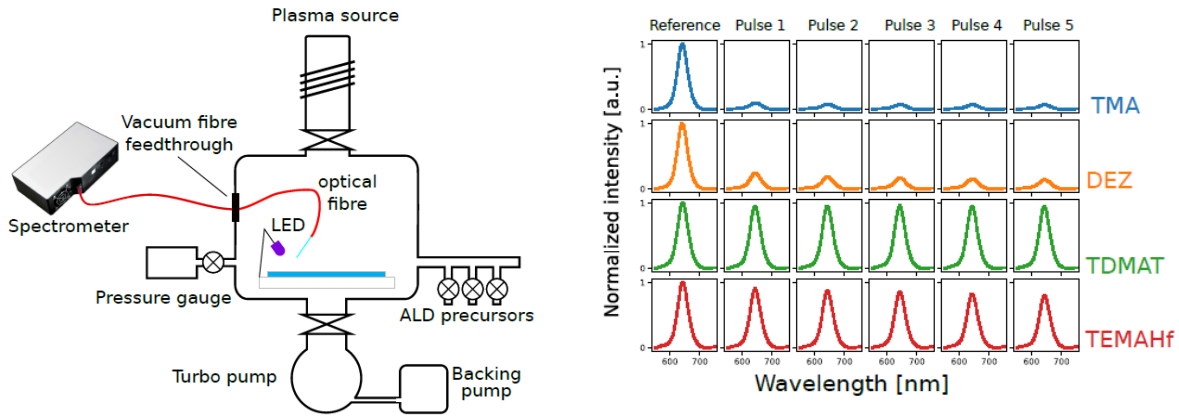

Fig. 1:
(left) Schematic representation of the home-built in situ PL setup.
(right) Evolution of the CdSe/CdS/ZnS core/shell/shell QD PL intensity after repeated exposure to TMA, DEZ, TDMAT and TEMAHf precursor pulses.

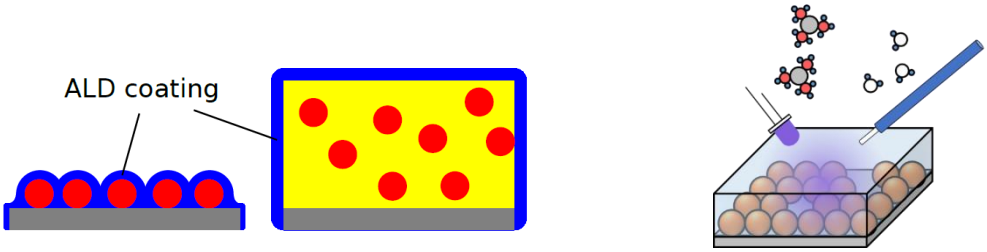

Fig. 2:
(left) Embedding of bare QD and polymer encapsulated QD using ALD.
(right) Illustration of the in situ monitoring of the QD PL during exposure to ALD-species.

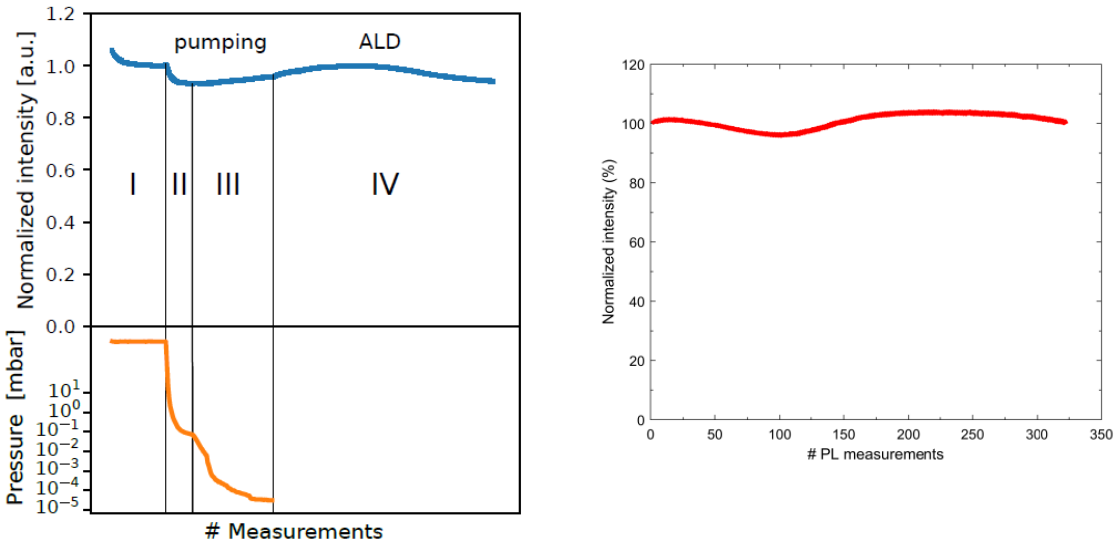

Fig. 3:
(left) Normalized PL intensity of the CdSe/CdS/ZnS core/shell/shell QD during the entire ALD process.
(right) Stability of the PL intensity of the $CuInS_2$/ZnS core/shell QD during TiO_2 ALD.