**Highly Sensitive Humidity Sensor Based on Cadmium Selenide Quantum Dots-Polymer Composites: Synthesis, Characterization, and Effect of UV/ozone Treatment**

Khouloud Jlassia\*, Shoaib Mallicka,b, Hafsa Mutahirc, Sayma Akhter Salauddina, Mohamed M. Chehimid, Aboubakr M. Abdullaha\*, Zubair Ahmada,b\*, Mohamed F. Attiae, Mohamed Abdellahf

*a Center for Advanced Materials, Qatar University, P. O. Box 2713, Doha, Qatar.*

*bQatar University Young Scientists Center (QUYSC), Qatar University, P. O. Box 2713, Doha, Qatar.*

*cDepartment of Chemical Engineering, College of Engineering, Qatar University, Doha 2713, Qatar*

*dUniversité de Paris, CNRS, ITODYS (UMR 7086), 75013 Paris, France*

*eCenter for Nanotechnology in Drug Delivery and Division of Pharmacoengineering and Molecular Pharmaceutics, Eshelman School of Pharmacy, the University of North Carolina at Chapel Hill, Chapel Hill, NC 27599, USA*

*f Chemical Physics and NanoLund, Lund University, Box 124, 22100 Lund, Sweden*

Supporting information

Figure S1. Stability analysis of PVDF-CdSe (20 min UV) based resistive humidity sensors.

Chart, line chart

Description automatically generated