**Supporting information**

**The repercussion of Swift Heavy Ion irradiation on nanorods of nickel-based (NRs-Ni3HHTP2) Metal-Organic framework field-effect transistor device**

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Figure S1: long term (60 days) stability for pristine NRs-Ni3HHTP2 and C+12 ion irradiation with fluence 1x1011 ion/cm2 and 1x1012 ion/cm2 materials.