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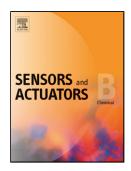
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Humidity Sensor **Based Solution Processible Microporous** Silica

**Nanoparticles** 

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**Highlights** 

The organic-inorganic hybrid materials MSNs-DMCs were prepared and applied for humidity

monitoring.

The small size and the modification of polyelectrolyte endow the solution processibility for

sensitive film preparation.

The channels formed by particle stacking in the sensitive film leads to a rapid response and

recovery.

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