

Beneficial effect of Pd and MWCNT co-doping in SnO₂ nanoparticles towards low temperature detection of butane gas: Synergistic effect on sensing performance

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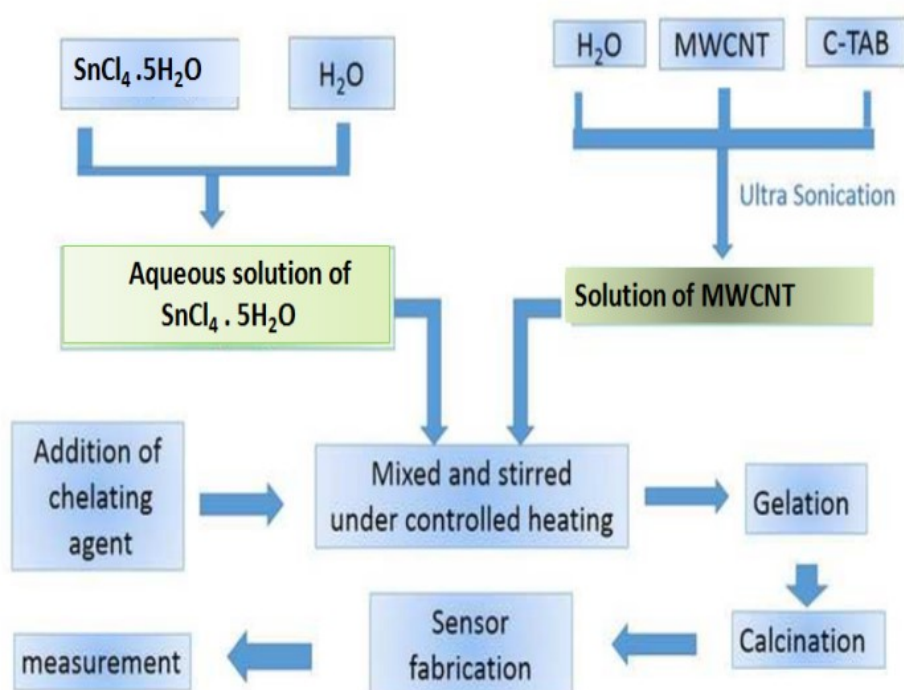


Fig. S1 :Schematic of sample preparation procedure

Table S1: Sensing performance of synthesized materials for 2000 ppm butane at 300° C.

Sample description	Sensitivity (%)	Responsetime (s)	Recoverytime (s)
SnO ₂	34	9	14
SnO ₂ + MWCNT	35	14	16
SnO ₂ + Pd	65	10	25
SnO ₂ + MWCNT+ Pd	93	1	10

Fig. S2: log(S) vs. log(C) plot of SnO₂-CNT-Pd sensor

