Electronic Supplementary Information

Synthesis of a porous SiO_2-H_3BO_3 -V_2O_5 -P_2O_5 glassy composite: Structural and Surface Morphological Behaviour for CO_2 Gas Sensing Applications

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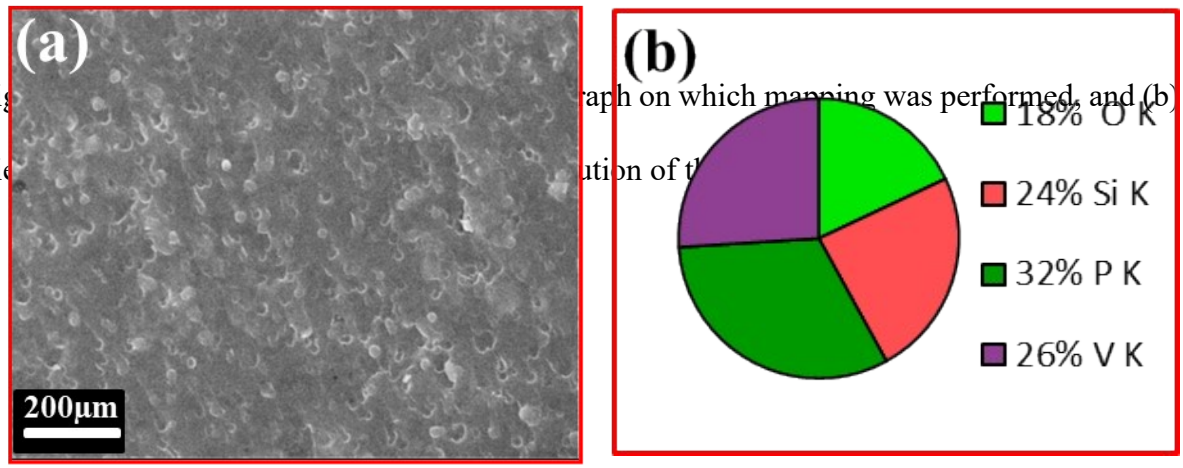

Fig ...raph on which mapping was performed, and (b) Pie ...ution of t...

Table S1: Elements and their weight percentage of the synthesized glass sample.

Element	Weight %
O K	41.96
Al K	0.73
Si K	9.04

P K	15.71
V K	32.56

Table S2. Response time, recovery time and sensing response of thin film SHVP6 porous glass at 200, 400, 600, 800 and 1000 ppm of CO_2.

CO_2 (ppm)	Response time (sec)	Recovery time (sec)	Sensing Response (sec)
200	12.2	15.3	1.83
400	14.4	19.08	2.07
600	16.3	21.6	2.34
800	20.2	24.3	2.65
1000	22.6	25.8	3.05