

A GasFET for chlorine detection

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First Author	Sulima, T; Knittel, T; Freitag, G;
Last Author	Eisele, I
Authors	Sulima, T; Knittel, T; Freitag, G; Widanarto, W; Eisele, I;
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Abstract	The work function potential shift due to the chemical reaction of gold in a chlorine gas ambient is electrically measured. The sensor principle is based on a hybrid suspended gate field effect transistor. Gas measurements show that at 190 degrees C a reversible chlorine detection without any cross sensitivities to other gas species is possible.
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Author	Dr R WAHYU WIDANARTO, S.Si, M.Si