

## Patent

1. Transition metal oxide films and gas sensors thereof  
US Pat. # 5,342,701 August 30, 1994.  
Bijan K. Miremadi, **Ravi C. Singh**, Stanley R. Morrison and Konrad Colbow.

## Publications

### Journal papers

1. Synthesis of zinc nanorods and nanoparticles by chemical route and their comparative study as ethanol sensor.  
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2. Fabrication and characterisation of “self-binding” nanocrystalline SnO<sub>2</sub> powder based thick film ethanol sensor.  
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3. Electrochemical etching technique for neutron dosimetry.  
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4. Synthesis of nano-crystalline tin oxide powder through fine crystallization in liquid phase.  
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*Optoelectronics and Advanced Materials – Rapid Communications 1(10) (2007) 500-502.*
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Bijan K, **Ravi C Singh**, S Roy Morrison and Konrad Colbow.  
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8. Chromium oxide gas sensors for the detection of hydrogen, oxygen and nitrogen

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11. Preparation of and application of micro filters.  
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12. The influence of etching conditions on the efficiency and critical angle of plastic track detector Makrofol-N.  
R K Bhatia, **Ravi Chand Singh** and H S Virk.  
*Indian J Pure and Appl. Phys.*, **27** (1989) 249.
13. Effect of variation of incident angle of alpha particles at various field strengths on ECE response of CR-39.  
**Ravi Chand Singh** and H S Virk.  
*Nucl. Instr. and Meth.*, **B 36** (1989) 249.
14. Electrochemical etching of fission fragment tracks in Cellulose Triacetate.  
**Ravi Chand Singh** and H S Virk.  
*Nucl. Tracks and Radiat. Meas.*, **15** (1988) 301.
15. Annealing study of heavy ion tracks in Makrofol-N using electrochemical etching technique.  
**Ravi Chand Singh** and H S Virk.  
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16. Electrochemical etching of fission fragment tracks in muscovite mica and soda lime glass.  
**Ravi Chand Singh** and H S Virk.  
*Nucl. Instr. and Meth.*, **B 30** (1988) 589.
17. Internal heating effect during electrochemical etching of Lexan polycarbonate.  
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