SENSORS AND ACTUATORS B: CHEMICAL

An international journal devoted to research and development of chemical transducers

AUTHOR INFORMATION PACK

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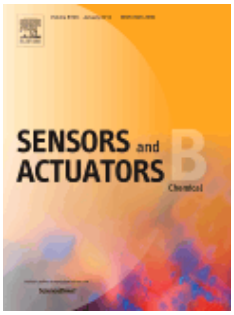

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The scope of the journal encompasses, but is not restricted to, the following areas:
- Sensing principles and mechanisms
- New materials development (transducers and sensitive/recognition components)
- Fabrication technology
- Actuators
- Optical devices
- Electrochemical devices
- Mass-sensitive devices
- Gas sensors
- Biosensors
- Analytical microsystems
- Environmental, process control and biomedical applications
- Signal processing
- Sensor and sensor-array chemometrics

µTAS - Micro Total Analysis Systems: Microsystems for the generation, handling and analysis of (bio)chemical information
The special section of *Sensors & Actuators, B: Chemical* on **micro TAS** is dedicated to contributions concerning miniaturised systems for (bio)chemical synthesis and analysis, also comprising work on Bio-MEMS, Lab-on-a-chip, biochips and microfluidics.

Topics covered by the micro TAS section include:
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- Microfabrication technology for micro TAS
- Analytical chemical aspects
- Detectors, sensors, arrays for micro TAS
- Micro TAS applications
- DNA analysis
- Microinstrumentation
- Microsystems for combinatorial chemistry.

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Sensors & Actuators, B: Chemical is an interdisciplinary journal dedicated to covering research and development in the field of chemical sensors, actuators, micro- and nanosystems.
The scope of the journal encompasses, but is not restricted to, the following areas:
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• Gas sensors
• Biosensors
• Bio-MEMS
• Analytical microsystems
• Environmental
• Process control
• Biomedical applications
• Signal processing
• Sensor and sensor-array chemometrics

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Topics covered by the µTAS section include:
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• Physics and chemistry of microfluidics
• Microfabrication technology for µTAS
• Analytical chemical aspects
• Detectors, sensors, arrays for µTAS
• µTAS applications
• DNA analysis
• Microinstrumentation
• Microsystems for combinatorial chemistry

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