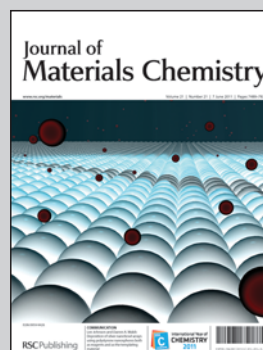


Showcasing collaborative research from the Alexander Schiller lab (Friedrich-Schiller-University of Jena, Germany) and Bakthan Singaram lab (University of California, Santa Cruz, USA)

Title: Multiwell plates loaded with fluorescent hydrogel sensors for measuring pH and glucose concentration

Fluorescent hydrogels were polymerized directly into multiwell plates producing sensors for measuring pH and glucose concentration with a fluorescence plate reader. The pH sensors consist of an pH sensitive fluorophore in the hydrogel. Glucose sensors were prepared by copolymerization of a boronic acid receptor together with a pyrene fluorophore. The loaded plates are designed for use in high throughput screening applications.

As featured in:



See B. Vilozy et al.,
J. Mater. Chem., 2011, **21**, 7589.

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