

Binary RuO₂–CuO electrodes outperform RuO₂ electrodes in measuring the pH in food samples

Lazouskaya, Maryna; Vetik, Iuliia; Tamm, Martti; Uppuluri, Kiranmai; Scheler, Ott ACS omega 2023 / p. 13275-13284

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Can 3D printing bring droplet microfluidics to every lab? - A systematic review

Gyimah, Nafisat; Scheler, Ott; Rang, Toomas; Pardy, Tamas Micromachines 2021 / art. 339 <https://doi.org/10.3390/mi12030339>

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Cellprofiler is a fit tool for droplet digital image analysis

Bartkova, Simona; Vendelin, Marko; Pata, Pille; Scheler, Ott 23rd International Conference on Miniaturized Systems for Chemistry and Life Sciences (MicroTAS 2019) Basel, Switzerland, 27 – 31 October 2019 2020 / art. 163704, p. 1644-1645

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Cleaning procedure for the screen-printed RuO₂ pH electrodes

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Closed-loop droplet size control in microfluidics = Suletud ahelaga tilkade suuruse juhtimine mikrofluidikas

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Cogniflow-drop : integrated modular system for automated generation of droplets in microfluidic applications

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A COST Action on microbial responses to low pH : developing links and sharing resources across the academic-industrial divide

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Deep reinforcement learning-based digital twin for droplet microfluidics control

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Development of a transferable microfluidic droplet generator = Ülekantava mikrovedelik-tilkade generaatori arendus

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Digital twin for controlled generation of water-in-oil microdroplets with required size

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Droplet-based technology for studying the phenotypic effect of microplastics on antimicrobial resistance

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Methods for studying microbial acid stress responses: from molecules to populations

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Nafion as a protective membrane for screen-printed pH-sensitive ruthenium oxide electrodes

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Nafion protective membrane enables using ruthenium oxide electrodes for pH measurement in milk

Lazouskaya, Maryna; Scheler, Ott; Mikli, Valdek; Uppuluri, Kiranmai; Zaraska, Krzysztof; Tamm, Martti Journal of The Electrochemical Society 2021 / art. 107511, 12 p. : ill <https://doi.org/10.1149/1945-7111/ac2d3c> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Physicochemical Properties Predict Retention of Antibiotics in Water-in-Oil Droplets

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PID controller tuning optimization using genetic algorithm for droplet size control in microfluidics

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Replacement of milk fat by rapeseed oil stabilised emulsion in commercial yogurt

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Reusability of RuO₂-Nafion electrodes, suitable for potentiometric pH measurement

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RUO₂-Nafion electrodes for pH measurement in milk

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Screen-printed pH sensors based on ruthenium(IV) oxide for measurement in food samples = Ruteenium(IV) oksiidil põhinevad siiditrükiga pH-andurid toiduproovide mõõtmiseks

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Understanding How Microorganisms Respond to Acid pH Is Central to Their Control and Successful Exploitation

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User-friendly analysis of droplet array images

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User-friendly analysis of droplet experiments = Kasutajasõbralik tilga eksperimentide analüüs

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