

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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Cleaning procedure for the screen-printed RuO₂ pH electrodes

Lazouskaya, Maryna; Vetik, Iuliia; Uppuluri, Kiranmai; Razmi, Nasrin; **Scheler, Ott** IEEE Sensors 2022 : Dallas, Texas, USA : 30 October 2022 - 02 November 2022 : Sensors 2022 conference proceedings 2022 / 4 p. : ill

<https://doi.org/10.1109/SENSOR52175.2022.9967177> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Fabrication, potentiometric characterization, and application of screen-printed RuO₂ pH electrodes for water quality testing

Uppuluri, Kiranmai; **Lazouskaya, Maryna;** Szwagierczak, Dorota; Zaraska, Krzysztof; Tamm, Martti Sensors 2021 / art. 5399, 15 p. : ill

<https://doi.org/10.3390/s21165399> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Formulation and aerosol jet printing of nickel nanoparticle ink for high-temperature microelectronic applications and patterned graphene growth

McKibben, Nicholas; Curtis, Michael; Maryon, Olivia; Sawyer, Mone't; **Lazouskaya, Maryna;** Eixenberger, Josh; Deng, Zhangxian;

Estrada, David ACS Applied Electronic Materials 2024 / p. 748 - 760 <https://doi.org/10.1021/acsaelm.3c01175> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Front-face fluorimeter for the determination of cutting time of cheese curd

Lazouskaya, Maryna; Stulova, Irina; Sörmus, Aavo; **Scheler, Ott;** Tiisma, Kalle; Vinter, Toomas; Loov, Roman; Tamm, Martti Foods

2021 / art. 576, 13 p <https://doi.org/10.3390/foods10030576> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of temperature on the performance of Nafion coated RuO₂ based pH electrodes

Uppuluri, Kiranmai; **Lazouskaya, Maryna;** Szwagierczak, Dorota; Zaraska, Krzysztof 2021 IEEE International Conference on

Flexible and Printable Sensors and Systems (FLEPS), Manchester, United Kingdom 2021 / 4 p

<https://doi.org/10.1109/FLEPS51544.2021.9469758>

Monitoring the effect of pH on the growth of pathogenic bacteria using electrical impedance spectroscopy

Razmi, Nasrin; **Lazouskaya, Maryna;** Pajcin, Ivana; Petrovic, Bojan; Grahovac, Jovana; Simic, Mitar; Willander, Magnus; Nur, Omer;

Stojanovic, Goran M. Results in Engineering 2023 / art. 101425 <https://doi.org/10.1016/j.rineng.2023.101425> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Lazouskaya, Maryna; Tamm, Martti; Scheler, Ott; Uppuluri, Kiranmai; Zaraska, Krzysztof 2020 17th Biennial Baltic electronics

conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 4 p. : ill <https://doi.org/10.1109/BEC49624.2020.9276822>

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](#)

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

Lazouskaya, Maryna; Scheler, Ott; Uppuluri, Kiranmai; Zaraska, Krzysztof; Tamm, Martti 2022 IEEE International Conference on

Flexible and Printable Sensors and Systems (FLEPS), Vienna, Austria, 2022 / p. 1-4

<https://doi.org/10.1109/FLEPS53764.2022.9781521>

RUO₂-Nafion electrodes for pH measurement in milk

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and Technology "Sustainable Food for Conscious Consumer" : FoodBalt 2021 : book of abstracts 2021 / p. 131

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

Lazouskaya, Maryna 2023 <https://doi.org/10.23658/taltech.14/2023> [https://digikogu.taltech.ee/et/item/13a783ac-9372-4e8d-a9de-](https://digikogu.taltech.ee/et/item/13a783ac-9372-4e8d-a9de-22930694acd3)

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