

A Funkcionális Határfelületek Kutatócsoport tagjainak összes közleménye:

(Magyar Tudományos Művek Tára)

<https://m2.mtmt.hu/gui2/>

Válogatott közlemények

[Nanoszerkezetű funkcionális vékonyrétegek kialakítása](#)

T. Szabó, Z. Garaiová, S. Melikishvili, M. Tatarko, Z. Keresztes, T. Hianik

The Effect of Lipopolysaccharides from *Salmonella enterica* on the Size, Density, and Compressibility of Phospholipid Vesicles

BIOMIMETICS 10: 1 Paper: 55, (2025)

<https://doi.org/10.3390/biomimetics10010055>

K. Jakab, B. Varga, Z. Keresztes, V. Horváth

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<https://doi.org/10.1016/j.microc.2024.111582>

T. Marek, T. Vincze; T. Szabó; Z. Keresztes

Conductive and photo-luminescent functionality of reconstituted particle layers prepared from electrodeposited PEDOT films

MATERIALS CHEMISTRY AND PHYSICS 314 Paper: 128925, (2024)

<https://doi.org/10.1016/j.matchemphys.2024.128925>

A. Shaban, L. Eddaif, J. Telegdi

Sensors for water and wastewater monitoring

In: Barhoum, Ahmed; Altintas, Zeynep (szerk.)

Advanced Sensor Technology: Biomedical, Environmental, and Construction Applications

Amsterdam, Hollandia: Elsevier Inc. 968 p. pp. 517-563. , (2023)

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T. Szabó, I. Bakos, B. Vrbovszki, I. Jeerapan, P. Pekker, J. Mihály, K. Németh, J. Wang, Z. Keresztes

Dual-Role Peptide with Capping and Cleavage Site Motifs in Nanoparticle-Based One-Pot Colorimetric and Electrochemical Protease Assay

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EEG sensor system development consisting of solid polyvinyl alcohol–glycerol–NaCl contact gel and 3D-printed, silver-coated polylactic acid electrode for potential brain–computer interface use

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<https://doi.org/10.1016/j.mtchem.2022.101085>

Y. El Hamdouni; S. El Hajjaj; T. Szabó; L. Trif, I. Felhósi; K. Abbi; N. Labjar; L. Harmouche; A. Shaban

Biomass valorization of walnut shell into biochar as a resource for electrochemical simultaneous detection of heavy metal ions in water and soil samples: preparation, characterization, and applications

ARABIAN JOURNAL OF CHEMISTRY 15 Paper: 104252 , (2022)

<https://doi.org/10.1016/j.arabjc.2022.104252>

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In-situ electrochemical and piezogravimetric studies on the application of macrocyclic resorcinarene tetramer in the development of chemically-modified heavy metals ions detection platform in aqueous media

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I. Bakos, Á. Vass, E. S. Muckley, I.N. Ivanov, Z. Keresztes

Indirect electrochemical method for high accuracy quantification of protein adsorption on gold surfaces

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T. Marek, G. Orbán, D. Meszéna, G. Márton, I. Ulbert, G. Mészáros, Z. Keresztes

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<https://doi.org/10.1016/j.matchemphys.2020.124163>

L. Románszki, T. Hianik, Z. Keresztes

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