

Conf. univ. dr. Loredana Cristina MEREUȚĂ - Lista de lucrări

[<https://www.webofscience.com>; <https://www.scopus.com>]

1. *Teaching an old dog new tricks: A lipid membrane-based electric immunosensor for real-time probing of the spike S-1 protein subunit from SARS-CoV-2*; By: Asandei, A (Asandei, Alina) **Mereuta, L (Mereuta, Loredana)** Schiopu, I (Schiopu, Irina) Park, Y (Park, Yoonkyung) Luchian, T (Luchian, Tudor) **PROTEOMICS 2021** Article Number e2100047
2. *Single-molecule, hybridization-based strategies for short nucleic acids detection and recognition with nanopores* By: Luchian, T (Luchian, Tudor) **Mereuta, L (Mereuta, Loredana)** Park, Y (Park, Yoonkyung) Asandei, A (Asandei, Alina) Schiopu, I (Schiopu, Irina) **PROTEOMICS 2021** Article Number e2100046
3. *The Nanopore-Tweezing-Based, Targeted Detection of Nucleobases on Short Functionalized Peptide Nucleic Acid Sequences* By: Dragomir, IS (Dragomir, Isabela S.) Asandei, A (Asandei, Alina) Schiopu, I (Schiopu, Irina) Bucataru, IC (Bucataru, Ioana C.) **Mereuta, L (Mereuta, Loredana)** Luchian, T (Luchian, Tudor) **POLYMERS 2021** Volume 13 Issue 8
4. *SINGLE-MOLECULE DETECTION AND MANIPULATION WITH BIOLOGICAL NANOPORES* By: Schiopu, I (Schiopu, Irina) Asandei, A (Asandei, Alina) **Mereuta, L (Mereuta, Loredana)** Dragomir, I (Dragomir, Isabela) Bucataru, C (Bucataru, Cezara) Luchian, T (Luchian, Tudor) **STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA 2021** Volume 66 Issue 3 Page 161-174
5. *Non-Receptor-Mediated Lipid Membrane Permeabilization by the SARS-CoV-2 Spike Protein S1 Subunit* By: Asandei, A (Asandei, Alina) **Mereuta, L (Mereuta, Loredana)** Schiopu, I (Schiopu, Irina) Park, J (Park, Jonggwan) Seo, CH (Seo, Chang Ho) Park, Y (Park, Yoonkyung) Luchian, T (Luchian, Tudor) **ACS APPLIED MATERIALS & INTERFACES 2020** Volume 12 Issue 50 Page 55649-55658
6. *Sequence-specific detection of single-stranded DNA with a gold nanoparticle-protein nanopore approach* By: **Mereuta, L (Mereuta, Loredana)** Asandei, A (Asandei, Alina) Dragomir, IS (Dragomir, Isabela S.) Bucataru, IC (Bucataru, Ioana C.) Park, J (Park, Jonggwan) Seo, CH (Seo, Chang Ho) Park, Y (Park, Yoonkyung) Luchian, T (Luchian, Tudor) **SCIENTIFIC REPORTS 2020** Volume 10 Issue 1
7. *Nanopore-Based Protein Sequencing Using Biopores: Current Achievements and Open Challenges* By: Asandei, A (Asandei, Alina) Di Muccio, G (Di Muccio, Giovanni) Schiopu, I (Schiopu, Irina) **Mereuta, L (Mereuta, Loredana)** Dragomir, IS (Dragomir, Isabela S.) Chinappi, M (Chinappi, Mauro) Luchian, T (Luchian, Tudor) **SMALL METHODS 2020** Volume 4 Issue 11

8. *Antimicrobial peptide HPA3NT3-A2 effectively inhibits biofilm formation in mice infected with drug-resistant bacteria*
By: Lee, JK (Lee, Jong-Kook) **Mereuta, L (Mereuta, Loredana)** Luchian, T (Luchian, Tudor) Park, Y (Park, Yoonkyung)
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9. *Mechanism of action of antimicrobial peptide P5 truncations against Pseudomonas aeruginosa and Staphylococcus aureus*
By: Kwon, JY (Kwon, Ju Young) Kim, MK (Kim, Min Kyung) **Mereuta, L (Mereuta, Loredana)** Seo, CH (Seo, Chang Ho) Luchian, T (Luchian, Tudor) Park, Y (Park, Yoonkyung) **AMB EXPRESS** 2019 Volume 9 Article Number 122
10. *Nanopore-Assisted, Sequence-Specific Detection, and Single-Molecule Hybridization Analysis of Short, Single-Stranded DNAs*
By: **Mereuta, L (Mereuta, Loredana)** Asandei, A (Asandei, Alina) Schiopu, I (Schiopu, Irina) Park, Y (Park, Yoonkyung) Luchian, T (Luchian, Tudor) **ANALYTICAL CHEMISTRY** 2019 Volume 91 Issue 13 Page 8630-8637
11. *Nonfunctionalized PNAs as Beacons for Nucleic Acid Detection in a Nanopore System*
By: Asandei, A (Asandei, Alina) **Mereuta, L (Mereuta, Loredana)** Park, J (Park, Jonggwan) Seo, CH (Seo, Chang Ho) Park, Y (Park, Yoonkyung) Luchian, T (Luchian, Tudor) **ACS SENSORS** 2019 Volume 4 Issue 6 Page 1502-1507
12. *Nanoscale Probing of Informational Polymers with Nanopores. Applications to Amyloidogenic Fragments, Peptides, and DNA-PNA Hybrids*
By: Luchian, T (Luchian, Tudor) Park, Y (Park, Yoonkyung) Asandei, A (Asandei, Alina) Schiopu, I (Schiopu, Irina) **Mereuta, L (Mereuta, Loredana)** Apetrei, A (Apetrei, Aurelia) **ACCOUNTS OF CHEMICAL RESEARCH** 2019 Volume 52 Issue 1 Page 267-276
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17. *Quantitative Understanding of pH- and Salt-Mediated Conformational Folding of Histidine-Containing, beta-Hairpin-like Peptides, through Single-Molecule Probing with Protein Nanopores*; **Mereuta, Loredana** ; Asandei, Alina ; Seo,

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