

LUCRARI PUBLICATE IN REVISTE ISI
(Total I.F.=17.631)

1. Enantioanalysis of aspartic acid using 3D stochastic sensors
IM Bogea, RI Stefan-van Staden, DC Gheorghe, RM Ilie-Mihai
Anal.Lett, 55(1), 85-92, 2022 (**I.F.=2.267**)
2. 2D Disposable Stochastic Sensors for Molecular Recognition and Quantification of Maspin in Biological Samples
RI Stefan-van Staden, RM Ilie-Mihai, DC Gheorghe, IM Bogea, M Badulescu
Microchimica Acta, 189, 101, 2022 (**I.F.=6.408**)
3. Stochastic microsensors based on modified graphene for pattern recognition of maspin in biological samples
RI Stefan-van Staden, IM Bogea, RM Ilie-Mihai, DC Gheorghe, M Coros, SM Pruneanu
Anal Bioanal Chem, 414(12), 3667-3673, 2022 (**I.F.=4.478**)
4. NS Decorated Graphenes Modified with 2,3,7,8,12,13,17,18-Octaethyl-21H,23H-Porphine Manganese (III) Chloride Based 3D Needle Stochastic Sensors for Enantioanalysis of Arginine - a Key Factor in the Metabolomics and Early Detection of Gastric Cancer
RI Stefan-van Staden, MI Bogea, RM Ilie-Mihai, DC Gheorghe, HY Aboul-Enein, M Coros, SM Pruneanu
Anal. Bioanal.Chem., 414(22), 6521–6530, 2022 (**I.F.=4.478**)
5. Determination of p53 from whole blood samples using an electrochemical sensor based on graphene decorated with N and S
IM Bogea, RM Ilie-Mihai, RI Stefan-van Staden
Sci Bull UPB, 84(3), 121-130, 2022

COMUNICARI ORALE

1. Fast screening tests for early diagnosis of gastric cancer, based on molecular recognition and assay of maspin in biological samples, Mihaela Iuliana Bogea, Raluca-Ioana Stefan-van Staden, Ruxandra Maria Ilie-Mihai, Damaris-Cristina Gheorghe, 240th ECS Meeting, Orlando, FL, USA, October 10-14, 2021
2. Enantioanalysis – a step forward for early detection of gastric cancer, Mihaela Iuliana Bogea, R.I. Stefan-van Staden, R.M. Ilie-Mihai, D.C. Gheorghe, 7th International

Conference on Sensors Engineering and Electronics Instrumentation Advances (SEIA' 2021), Palma de Mallorca, Mallorca (Balearic Islands), Spain, 22-24 September 2021.

