

Listă de publicații



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1. Anca Petran, Claudia Lar, **Diana Bogdan**, Anja Caspari, Niculina D Hădade, Adriana Vulcu, Adriana Popa, Frank Simon, Cordelia Zimmerer, Jurgen Liebscher: Polymer coating by oxidative polymerization of a new dopamine analogue with two amino groups POLYMER **312**, 127630 (2024) (IF 4.1)
2. Maria-Bianca Irimeș, Mihaela Tertîș, **Diana Bogdan**, Victor Diculescu, Elena Matei, Cecilia Cristea, Radu Oprean: Customized flexible platform - starting point for the development of wearable sensor for the direct electrochemical detection of kynurenic acid in biological samples TALANTA **280**(6), 126684 (2024) (IF 5.6)
3. Augustin C Moț, Ioana-Georgeta Grosu, **Diana Bogdan**, Xenia Filip, Anca Petran, Claudiu Filip: Novel polydopamine-based composites with adjustable antioxidant activity POLYMER **307**, 127233 (2024) (IF 4.1)
4. Alexandra Pusta, Mihaela Tertîș, Denisa Kezan, **Diana Bogdan**, Maria Suci, Ovidiu Pană, Ionel Fizeșan, Florin Graur, Cecilia Cristea, Nadim Al-Hajjar: Label-free electrochemical aptasensor for the detection of HepG2 hepatocellular carcinoma cells MICROCHIM ACTA **191**(7), 413 (2024) (IF 5.3)
5. Alexandra Canciu, Ana-Maria Tătaru, **Diana Bogdan**, Lucian Barbu-Tudoran, Diana Olah, Mihaela Tertîș, Andreea Cernat, Cecilia Cristea: Label-free aptasensor targeting Staphylococcus aureus surface Protein A MICROCHEM J **201**, 110586 (2024) (IF 4.9)
6. Natalia Terenti, Alexandra Fălămaș, **Diana Bogdan**, Claudiu Filip, Adriana Vulcu, Anca Petran: Poly-3,4-dihydroxybenzylidenedihydrizine, a different analogue of polydopamine NANOTECHNOL REV **13**(1), 20240026 (2024) (IF 6.1)
7. Alexandra Pusta, Mihaela Tertîș, Irina Bura, **Diana Bogdan**, Maria Suci, Simona Mirel, Cecilia Cristea: Electrochemical sensor for the evaluation of doxorubicin from novel pharmaceutical formulations and serum CHEMOSENSORS **12**(4), 69 (2024) (IF 3.7)
8. Iulia Rus, Mihaela Tertîș, Anca Pop, Ionel Fizeșan, **Diana Bogdan**, Elena Matei, Daniela Oprea, Victor Diculescu, Robert Săndulescu, Cecilia Cristea: The use of a new selective AB3 aptamer for the hematologic tumor cells' detection SENSOR ACTUAT B-CHEM **394**, 134389 (2023) (IF 8.0)
9. Mihaela Tertîș, Manuela Zăgrean, Alexandra Pusta, Maria Suci, **Diana Bogdan**, Cecilia Cristea: Innovative nanostructured aptasensor for electrochemical detection of gluten in food samples MICROCHEM J **193**(1), 109069 (2023) (IF 4.9)
10. Mihaela Vlassa, Mișuța Filip, Ștefan Kreibik, **Diana Bogdan**, Virginia Coman: Mat glass-thin layer chromatography. Application of invasion model STUDIA U BABES-BOL CHE **2022** **68**(2), 7-22 (2023) (IF 0.5)
11. Anca Petran, Claudiu Filip, **Diana Bogdan**, Cordelia Zimmerer, Sebastian Beck, Teodora Radu, Jurgen Liebscher: Oxidative polymerization of 3,4-dihydroxybenzylamine—the lower homolog of dopamine LANGMUIR **39**(15), 5610-5620 (2023) (IF 3.7)
12. Anca Petran, Andreea Petronela Crișan, Claudia Lar, Adriana Popa, Teodora Radu, Alexandra Ciorîță, **Diana Bogdan**, Mihaela Silion, Claudiu Filip: Poly-2-aminomethyl-3-(3,4-dihydroxyphenyl)propionamide: from structure to properties ACS APPL POLYM MATER **5**(5), 3370-3380 (2023) (IF 4.5)
13. Alia Colniță, Daniel Marconi, Nicoleta Elena Dina, Ioana Brezeștean, **Diana Bogdan**, Ioan Turcu: 3D silver metallized nanotrenches fabricated by nanoimprint lithography as flexible SERS detection platform SPECTROCHIM ACTA A **276**, 121232 (2022) (IF 4.4)
14. **Diana Bogdan**, Ioana-Georgeta Grosu, Claudiu Filip: How thick, uniform and smooth are the polydopamine coating layers obtained under different oxidation conditions? An in-depth AFM study APPL SURF SCI **597**, 153680 (2022) (IF 6.7)
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18. Ioana Cristina Marinaș, Bianca Maria Tihăuan, Andreea Gabriela Diaconu, Xenia Filip, Anca Petran, Ioana Georgeta Grosu, **Diana Bogdan**, Lucian Barbu, Ana Maria Ivanof, Marin Angheloiu, Grațiela Grădișteanu Pîrcălăbioru, Claudiu Filip: Polydopamine-assisted surface modification of Ti-6Al-4V alloy with anti-biofilm activity for dental implantology applications COATINGS **11**(11), 1385 (2021) (IF 3.236)
19. Alexandra Bogdan, Lorant Szolga, Gavril-Ionel Giurgi, Andreea Petronela Crișan, **Diana Bogdan**, Sarinya Hadsadee, Siriporn Jungstittiwong, Riccardo Po, Ion Grosu, Jean Roncali: Structure-properties relationships in triarylamine-based push-pull systems-C60 dyads as active material for single-material organic solar cells DYES PIGMENTS **184**, 108845 (2021) (IF 5.122)
20. Ioan-Adrian Stoian, Bogdan-Cezar Iacob, Cosmina-Larisa Dudaș, Lucian Barbu-Tudoran, **Diana Bogdan**, Iuliu Ovidiu Marian, Ede Bodoki, Radu Oprean: Biomimetic electrochemical sensor for the highly selective detection of azithromycin in biological samples BIOSENS BIOELECTRON **155**, 112098 (2020) (IF 10.618)

21. Mihaela Terțiș, Petrică Ionuț Leva, **Diana Bogdan**, Maria Suci, Florin Graur, Cecilia Cristea: Impedimetric aptasensor for the label-free and selective detection of Interleukin-6 for colorectal cancer screening BIOSENS BIOELECTRON **137**, 123-132 (2019) (IF **10.257**)
22. Alia Colniță, Nicoleta E Dina, Nicolae Leopold, Dan C Vodnar, **Diana Bogdan**, Sebastian A Porav, Leontin David: Characterization and discrimination of gram-positive bacteria using Raman spectroscopy with the aid of principal component analysis NANOMATERIALS-BASEL **7**(9), 248 (2017) (IF **3.504**)
23. Mihaela Terțiș, Anca Florea, Alina Adumitrăchioaie, Andreea Cernat, **Diana Bogdan**, Lucian Barbu-Tudoran, Nicole Jaffrezic Renault, Robert Săndulescu, Cecilia Cristea: Detection of dopamine by a biomimetic electrochemical sensor based on polythioaniline bridged gold nanoparticles CHEMPLUSCHEM **82**(4) 561-569 (2017) (IF **3.205**)
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26. **Diana Bogdan**, Cristian Morari: Effect of van der Waals interaction on the geometric and electronic properties of DNA nucleosides adsorbed on Cu(111) surface: a DFT study J PHYS CHEM A **117**(22) 4669-4678 (2013) (IF **2.775**)
27. Cristina M Muntean, Ioan Bratu, **Diana Bogdan**: Subpicosecond processes in nucleic acids bases monitored by Raman spectroscopy BIOMED SPECTROSC IMAGING **2**(1) 37-49 (2013)
28. Cristian Morari, **Diana Bogdan**, Cristina M. Muntean: Binding effects of Mn²⁺ and Zn²⁺ ions on the vibrational properties of guanine-cytosine base pairs in the Watson-Crick and Hoogsteen configurations J MOL MODEL **18**(11) 4781-4786 (2012) (IF **1.984**)
29. **Diana Bogdan**, Cristian Morari: Electronic properties of DNA nucleosides adsorbed on a Au(100) surface J PHYS CHEM C **116**(13) 7351-7359 (2012) (IF **4.814**)
30. **Diana Bogdan**, Radu Isai, Adrian Calborean, Cristian Morari: Ab-initio study of the vibrational properties of single-walled silicon nanotubes PHYSICA E **44**(7-8) 1441-1445 (2012) (IF **1.522**)
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34. Cristian Morari, **Diana Bogdan**, Ioan Turcu: A first-principles study of π-conjugated thiol phenothiazine derivatives adsorbed on Au(111) surface CENT EUR J PHYS **7**(2) 332-339 (2009) (IF **0.728**)
35. Elise JC de Vries, Mino R Caira, Mircea Bogdan, Sorin I Farcas, **Diana Bogdan**: Inclusion of parabens in β-cyclodextrin: A solution NMR and X-ray structural investigation SUPRAMOL CHEM **21**(5) 358-366 (2009) (IF **1.885**)
36. **Diana Bogdan**: Electronic structure and driving forces in α-cyclodextrin:butylparaben inclusion complexes PHYS LETT A **372**(23) 4257-4262 (2008) (IF **2.174**)
37. Chinthaka Sanath Gangabaddage, Andzelika Najda, **Diana Bogdan**, Sybren S Wijmenga, Marco Tessari: Dependence of the size of a protein-SDS complex on detergent and Na⁺ concentrations J PHYS CHEM B **112**(14) 4242-4245 (2008) (IF **4.189**)
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39. **Diana Bogdan**, C Morari: Theoretical investigation of the normal modes for the ground and first excited states of a realistic retinal chromophore model PHYS SCRIPTA **73**(5), 447-451 (2006) (IF **1.161**)
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