

Listă de publicații

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A. Publicații în jurnale peer review

Articole

No. ^a	ISI - Zona de clasificare ^b	ISI - Zona de culoare ^b	Titlu	Autori, informații bibliografice	An	Impact factor ^c	AIS Eigenfactor .org ^d	AIS Article influence scor InCites JCR ^e
1.	Q1	●	Scanning Electron Microscopy and Raman Spectroscopy Characterization of Structural Changes Induced by Thermal Treatment in Innovative Bio-Based Polyamide Nanocomposites	Ioana A. Brezestean , Daniel Marconi, Alia Colniță, Alexandra Ciorîță, Septimu Cassian Tripon, Zina Vuluga, Mihai Cosmin Corobea, Nicoleta Elena Dina, Ioan Turcu, <i>Chemosensors</i> 2023, 11(1), 28; https://doi.org/10.3390/chemosensors11010028 , Chemosensors	2023	4.229	0.61	0.63
2.	Q1	●	3D silver metallized nanotrenches fabricated by nanoimprint lithography as flexible SERS detection platform	Alia Colniță, Daniel Marconi, Nicoleta Elena Dina, Ioana A. Brezeștean , Diana Bogdan, Ioan Turcu, Volume 276, /doi.org/10.1016/j.saa.2022.121232 , Spectrochimica Acta Part A	2022	4.098	0.4	0.461
3.	Q1	●	Detection and Characterization of Nodularin by Using Label-Free Surface-Enhanced Spectroscopic Techniques	Ioana A. Brezestean , AMR Gherman, Alia Colniță, Nicoleta Elena Dina, Molnar Muller Csilla, Daniel Marconi, Vasile Chis, Leontin David, Simona Cîntă Pînzaru, <i>Int. J. Mol. Sci.</i> 2022, 23(24), 15741; https://doi.org/10.3390/ijms232415741 , International Journal of Molecular Science	2022	6.208	0.7	0.72
4.	Q1	●	Citrus fruits freshness assessment using Raman spectroscopy	Nekvapil, F., Ioana A. Brezeștean , Barchewitz, D., Glamuzina, B; Chiș, V., Cîntă Pînzaru, S. <i>Food Chemistry</i> , 242: 560 – 567. DOI: 10.1016/j.foodchem.2017.09.105, Food Chemistry	2018	5.399	0.8	0.955
5.	Q2	●	Ce-Containing MgAl-Layered Double Hydroxide-Graphene Oxide Hybrid Materials as Multifunctional Catalysts for Organic Transformations	Ioan-Cezar Marcu, Elisabeta Stamate, Octavian Dumitru Pavel, Rodica Zăvoianu, Ioana A. Brezeștean , Alexandra Ciorîță, Ruxandra Bîrjega, Katja Neubauer, Angela Köckritz, 14(23), 7457; https://doi.org/10.3390/ma14237457 , Materials	2021	3.623	0.8	0.595
6.	Q2	●	Silver nanoparticle films obtained by convective self-assembly for surface-enhanced Raman spectroscopy analyses of the pesticides thiabendazole and endosulfan	Ioana A. Brezeștean , Nicoleta Toșa, Alexandra Falamaș, Critina Muntean, Attila Bende, Bogdan Cozar, Camelia Groșan, Cosmin Farcău, https://doi.org/10.3389/fchem.2022.915337 , Frontiers in Chemistry	2022	5.545	0.936	0.936
7.	Q2	●	The influence of the preparation method on the physico-chemical properties and catalytic activities of Ce-modified LDH structures used as catalysts in condensation reactions	Alexandra-Elisabeta Stamate, Rodica Zăvoianu, Octavian Dumitru Pavel, Ruxandra Bîrjega, Andreea Matei, Marius Dumitru, Ioana A. Brezeștean , Mariana Osiac, Ioan-Cezar Marcu, 26(20), 6191; https://doi.org/10.3390/molecules26206191 , Molecules	2021	4.412	0.6	0.694

8.	Q2	●	Microsphere packages of carotenoids: intact sea urchin eggs tracked by Paman spectroscopy tools	Nekvapil, F., Ioana A. Brezeștean , ., Tomšić, S., Müller, Cs., Chiș, V., Cîntă Pinzaru, S.; <i>Photochem. Photobiol. Sci.</i> 18: 1933-1944. DOI: 10.1039/c9pp00181f, Photochemistry and Photobiology	2019	2.831	0.7	0.511
9.	Q2	●	Gold nanopost-shell arrays fabricated by nanoimprint lithography as a flexible plasmonic sensing platform	Cosmin Farcău, Daniel Marconi, Alia Colniță, Ioana A. Brezeștean , Lucian Barbu-Tudoran; 2019, 9(11), 1519; doi:10.3390/nano9111519, Nanomaterials	2019	4.324	0.7	0.671
10.	Q2	●	Biogeochemical specificity of adjacent natural carbonated spring waters from Swiss Alps promptly revealed by SERS and Raman technology	Cîntă Pinzaru, S., Ardeleanu, M., Ioana A. Brezeștean , Nekvapil, F., Vențer, M.M.; <i>Anal. Methods</i> 11: 800 - 812. DOI: 10.1039/c8ay02580k, Analytical Methods	2019	2.596	0.4	0.414
11.	Q2	●	Live diatoms facing Ag nanoparticles: surface enhanced Raman scattering of bulk <i>cylindrotheca closterium</i> pennate diatoms and of the single cells	Simona Cîntă Pinzaru, Csilla Müller, Sanja Tomšić, Monica M Vențer, Ioana A. Brezeștean , Stijepo Ljubimir, Branko Glamuzina, 42899-42910 DOI: 10.1039/C6RA4255D, RSC Advance	2016	3.108	0.6	0.590
12.	Q3 and Q4	●	Spectroscopic investigation of exopolysaccharides purified from <i>Arthrospira platensis</i> cultures as potential bioresources	Ioana A. Brezeștean , Maricel Bocăneală, Ana Maria Raluca Gherman, Sebastian Alin Porav, Irina Kacsó, Elena Rakosy-Tican, Nicoleta Elena Dina, doi.org/10.1016/j.molstruc.2021.131228, Journal of Molecular Structure	2021	3.196	0.3	0.293
13.	Q3 and Q4	●	Vibrational spectral analysis of Sorafenib and its molecular docking study compared to other TKIs	Laurențiu Stăncioiu, Ana Maria Raluca Gherman, Ioana A. Brezeștean , Nicoleta Elena Dina, Volume 1248, 2022, doi.org/10.1016/j.molstruc.2021.131507., Journal of Molecular Structure	2021	3.196	0.3	0.293
14.	O3 and Q4	●	Resonance Raman and SERS of fucoxanthin: Prospects for carotenoid quantification in live diatom cells	Fran Nekvapil, Ioana A. Brezeștean , Geza Lazar, Calin Firța, Simona Cîntă Pinzaru, Volume 1250, Part 1, doi. 10.1016/j.molstruc.2021.131608, Journal of Molecular Structure	2022	3.196	0.3	0.293
15.	O3 and Q4	●	The adhesion of L-methionine amino acid through Dip Pen Nanolithography on silver thin films grown by Molecular Beam Epitaxy technique	Adrian Calborean, Alia Colniță, Ioana Grosu, Ioana A. Brezeștean , Roxana-Diana Pașca, Lucian Barbu-Tudoran, Daniel Marconi, Volume 1244, doi.org/10.1016/j.molstruc.2021.131247, Journal of Molecular Structure	2021	2.329	0.3	0.251
16.	O3 and Q4	●	THE COMPLEMENTARY ROLE OF THE RAMAN MICROSCOPY TO THE OXIDATIVE STRESS ASSAYS IN THE NEONATAL SYNAPTOSOMES CHARACTERIZATION.	Vlad-Alexandru Toma, Alia Colniță, Ioana A. Brezeștean , Bogdan Dume, Ioana Roman, Ioan Turcu, <i>STUDIA UBB CHEMIA</i> , LXVI, 3, 2021 (p. 187-194) DOI:10.24193/subbchem.2021.3.11, Studia UBB Chemia	2021	0.447	<0.1	0.051
17.	Q3 and Q4	●	High-Throughput Fabrication of Anti-Counterfeiting Nanopillar-Based Quick Response (QR) Codes Using Nanoimprint Lithography	Alia Colniță, Daniel Marconi, Ioana A. Brezeștean , Roxana-Diana Pașca, Irina Kacsó, Lucian Barbu-Tudoran, Ioan Turcu, Pages 302-313, doi.org/10.1080/00032719.2020.1769123, Analytical Letters	2019	1.467	0.2	0.201

18.	non-ISI (BDI)		Fluorescence investigation of some polystyrene samples thermally degraded	Niculaescu Carmen, Ioana A. Brezeștean , Lung Claudiu, Todică Mihai, Dec 2018, Vol. 63 Issue 1/2, p19-26. 8p, Studia UBB Physica	2018	-	-	-
19.	non-ISI (BDI)		Cyanobacteria Detection and Raman Spectroscopy Characterization with a Highly Sensitive, High Resolution Fiber Optic Portable Raman System	Simona Cîntă Pînzaru; Csilla Müller, Ioana A. Brezeștean , Daniel Barchewits, Branko Glamuzina, STUDIA UBB PHYSICA, Vol. 61 (LXI), 1, 2016; Studia UBB Physica	2016	-	-	-

B. Contribuții la conferințe - lucrări prim autor

2016

1. **I. Brezeștean**, S. Cîntă Pînzaru, Fran Nekvapil, Analisis of hypersaline water from Cojocna Balneary Resorts (Romania) using Raman Spectroscopy Tehniques; ISSN 2067-743X, pp 3-13; 2016

C. Prezentări orale și poster - prim autor

1. **I. Brezeștean**, D. Marconi, A. Colniță, R. Pașca, A. Măinea, N. Levința, I. Turcu, Raman analysis - perspective for innovative polyamide composites- In Book of Abstracts of the 12th International Conference Processes in Isotopes and Molecules. National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, 25th - 27th September 2019, p.16. <http://pim.itim-cj.ro/pages/programme.html>- prezentare orală
2. Analisis of hypersaline water from Cojocna Balneary Resorts (Romania) using Raman Spectroscopy Tehniques; **I. Brezeștean**, S. Cîntă Pînzaru, F. Nekvapil; ISSN 2067-743X, pp 3-13; Air and Water components of the Enviroment, 15-17 March 2018
3. New Data on Growing Mechanism of Human Gallstones from Transylvania, Romania: A joint Confocal Micro-Raman, Polarized Light Microscopy, X-Ray Diffraction and Thermal Analysis Study; **I. Brezeștean**, A. Tanțău, M. Gorea, N. Har, L. David, S. Cîntă Pînzaru, 5th Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES 2018"; 23-25 May, 2018
4. Microbial Community from Cojocna Balneary Lakes: Rich Resource of Carotenoids Ascertained by Resonance Raman Micro-Spectroscopy; **I. Brezeștean**, F. Nekvapil, L. David, S. Cîntă Pînzaru; 5th Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES 2018"; 23-25 May; 2018
5. Nodularin Cyanotoxin Molecular Characterization and detection using Surface Enhanced Raman Scattering (SERS) and Drop Coating Deposition Raman (DCDR); **I. Brezeștean**, S. Cîntă Pînzaru, V. Chiș, L. Davin, R. Domokos; 6th International Iberian Biophysics Congress, X Iberoamerican Congress of Biophysics;

6. Influence on the experimental conditions on the SERS signal of Nodularin cyanotoxin, **I.A. Brezeştean**, F. Nekvapil, C. Molnár, L. David, V. Chiş and S. Cîntă Pînzaru, *The 4th International Turkish Congress on Molecular Spectroscopy*, 2019.
7. 2D structures in full-biobased polyamide nanocomposites characterized by Raman spectroscopy, **I. Brezeştean**, D. Marconi, A. Colniţă, R. Paşca, A. Măinea, N. Levinţa, I. Turcu, *The 4th International Turkish Congress on Molecular Spectroscopy*, 2019
8. Adsorption of Nodularin Cyanotoxin on Nanostructured Ag Films Deposited by Molecular Beam Epitaxy and Magnetron Sputtering: Comparative SERS Study Assisted by DFT Calculations, **I. A. Brezeştean**, C. Müller Molnár, D. Marconi, A. Colniţă, I. Turcu, V. Chiş, L. David, S. Cîntă Pînzaru, *National Conference of Biophysics*, 2020.
9. Surface-enhanced Raman spectroscopy of propranolol on different SERS substrates - a step towards dual SERS-electrochemical sensors for pharmaceutical pollution monitoring **I. Brezeştean**, D. Cuibus, N. Toşa, S. Boca, C. Muntean, A. Fălămaş, A. Bende and C. Farcău, *13th International Conference Processes in Isotopes and Molecules (PIM)*, 2021, September 22nd- September 24th, Cluj-Napoca, Romania, Book of Abstracts, Poster T2-13, p. 44
10. Surface-enhanced Raman spectroscopy of endosulfan pesticide on silver nanoparticle films fabricated by convective self-assembly, **I. Brezeştean**, D. Cuibus, N. Toşa, C.M. Muntean, A. Bende and C. Farcău, *13th International Conference Processes in Isotopes and Molecules (PIM)*, 2021, September 22nd- September 24th, Cluj-Napoca, Romania, Book of Abstracts, Poster T2-9, p. 42
11. Spectroscopic and microscopic investigations of the graphene oxide influence on hybrid powder products based on LDH structures, **I. Brezeştean**, D. Marconi, A. Colniţă, A. Ciorăţă, M. C. Corobea, A. E. Stamate, O. D. Pavel, R. Zăvoianu and I. Turcu, *13th International Conference Processes in Isotopes and Molecules (PIM)*, 2021, September 22nd- September 24th, Cluj-Napoca, Romania, Poster T2-9
12. Spectroscopic investigation of exopolysaccharides purified from *Arthrospira platensis* cultures as potential bioresources **I. Brezeştean**, M. Bocăneală, A. M. R. Gherman, S. A. Porav, I. Kacsó, E. Rakosy-Tican, N. E. Dina *6th Edition of International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, "IC-ANMBES 2022"*; 8-10 Iunie