

ANEXA 7. Articole stiintifice publicate in reviste stiintifice cotate /indexate ISI

Nr crt	TITLUL	REVISTA	AUTORII	FI
Publicate in reviste cotate ISI				
1.	3D digitization of translucent materials in cultural heritage objects: a comparative study between laser scanning and photogrammetry	Romanian Journal Of Physics, vol. 65, nr. 906, pp. 1-12, ISSN 1221-146X, 2020	L.M. Angheluță, R. Rădvan	1.197
2.	A New Zinc Phosphate-Tellurite Glass for Magneto-Optical Applications	Nanomaterials, vol. 10, nr. 9, pp. 1875, https://doi.org/10.3390/nano10091875 , 2020	Mihail Elisa, Raluca Constantina Stefan, Ileana Cristina Vasiliu, Stefan Marian Iordache, Ana-Maria Iordache, Bogdan Alexandru Sava, Lucica Boroica, Marius Catalin Dinca, Ana Violeta Filip, Aurelian Catalin Galca, Cristina Bartha, Nicu Iacob, Madalin Ion Rusu, Mihai Eftimie, Victor Kuncser	4.324
3.	A new zinc phosphate-tellurite glass for magneto-optical applications	Nanomaterials, vol. 10, https://doi.org/10.3390/nano10091875 , 2020	Mihail Elisa, Raluca Constantina Stefan, Ileana Cristina Vasiliu, Stefan Marian Iordache, Ana Maria Iordache, Bogdan Alexandru Sava*, Lucica Boroica, Marius Catalin Dinca, Ana Violeta Filip, Aurelian Catalin Galca, Cristina Bartha, Nicu Iacob, Madalin Ion Rusu, Mihai Eftimie, Victor Kuncser	4.324
4.	A new, fast and facile synthesis method for reduced graphene oxide in N, N-dimethylformamide	Synthetic Metals, vol. 269, nr. 116576, DOI: 10.1016/j.synthmet.2020.116576, 2020	R.Tarcan, M. Handrea-Dragan, O. Todor-Boer, I. Petrovai, C. Farcau, M. Rusu, A. Vulpoi, M. Todea, S. Astilean, I. Botiz	3.286
5.	A strategy for alleviating micro arcing during HiPIMS deposition of DLC coatings	Materials, vol. 13, nr. 1038, pp. 1-5, doi.org/10.3390/ma13051038 , 2020	Vitelaru Catalin, Parau Anca Constantina, Constantin Lidia Ruxandra, Kiss Adrian Emil, Vladescu Alina, Arcadie Sobetskii, Tomas Kubart	3.057
6.	Agile quaternion based attitude determination and control to support near-space vehicle operations	UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, vol. 82, nr. 4, 1223-7027, 2020	Florin Mingireanu, Laurentiu Baschir*, Sorin Miclos, Dan Savastru, Daniel Tenciu, Nicolae Julia	0.619
7.	An EARLINET early warning system for atmospheric aerosol aviation hazards	Atmospheric Chemistry and Physics, vol. 20, nr. 18, pp. 10775-10789, 10.5194/acp-20-10775-2020 , 2020	Papagiannopoulos N, D'Amico G, Gialitaki A, Ajtai N, Alados-Arboledas L, Amodeo A, Amiridis V, Baars H, Balis D, Binietoglou I, Comeron A, Dionisi D, Falconieri A,	5.414

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			Freville P, Kampouri A, Mattis I, Mijic Z, Molero F, Papayannis A, Pappalardo G, Rodriguez-Gomez A, Solomos S, Mona L	
8.	Analitical performance and validation of optical emission and atomic absorption spectrometry methods for multielemental determination in vegetables and fruits	Revue Roumaine de Chimie, vol. 65, nr. 7-8, pp. 735-745, DOI: 10.33224/rch.2020.65.7-8.12, 2020	E. Covaci, M. Senila , M. Ponta, T. Frentiu	0.381
9.	Anticorrosion coated stainless steel as durable support for C-N-TiO2 photo catalyst layer	Materials, vol. 13, pp. 1-27, 10.3390/ma13194426, 2020	E.S.M. Mouele, M. Dinu , A.C. Parau , A. Vladescu , M.T.Z. Myint, H.H. Kyaw, J. Sabahi, M. Al-Abri, S. Dobretsov, M.A.A. Belushi, R. Al-Mamari, M. Braic , L.F. Petrik	3.057
10.	Application of airborne and spaceborne hyperspectral imaging techniques for atmospheric research: past, present, and future	Applied Spectroscopy Reviews, 10.1080/05704928.2020.1774381, 2020	Calin MA , Calin AC , Nicolae DN	5.074
11.	Curatarea picturilor murale si a mortarelor: Review cleaning of mural paintings and mortars: review	Revista Romana De Materiale-Romanian Journal Of Materials, vol. 50, nr. 4, pp. 485-492, 1583-3186, 2020	Gomoiu, I; Radvan, R ; Ghervase, L ; Mohanu, I; Enache, M; Neagu, S; Ruginescu, R; Cojoc, R	0.542
12.	Application of Spectroscopic and Hyperspectral Imaging Techniques for Rapid and Nondestructive Investigation of Jewish Ritual Parchment	Frontiers in Materials, vol. 7, nr. 601339, https://10.3389/fmat.2020.601339 , 2020	I.M. Cortea , L. Ghervase , L. Ratoiu , R. Rădvan	2.705
13.	Aspects of laser cleaning efficiency for contemporary artworks restoration	UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, vol. 82, nr. 2, pp. 231-240, ISSN 12237027, 2020	V. Atanassova , G. Dascălu	0.619
14.	Assessing the relationship between ground levels of ozone (O ₃) and nitrogen dioxide (NO ₂) with coronavirus (COVID-19) in Milan, Italy	Science of the Total Environment, vol. 740, 10.1016/j.scitotenv.2020.140005, 2020	Maria A. Zoran , Roxana S. Savastru , Dan M. Savastru , Marina N. Tautan	6.551
15.	Assessing the relationship between surface levels of PM _{2.5} and PM ₁₀ particulate matter impact on COVID-19 in Milan, Italy	Science of the Total Environment, vol. 738, 10.1016/j.scitotenv.2020.139825, 2020	Maria A. Zoran , Roxana S. Savastru , Dan M. Savastru , Marina N. Tautan	6.551
16.	Bioethanol Production from Vineyard Waste by Autohydrolysis Pretreatment and Chlorite Delignification via Simultaneous Saccharification and Fermentation	Molecules, vol. 25, nr. 11, pp. 2606, doi:10.3390/molecules25112606, 2020	L. Senila , E. Kovacs , D.A. Scurtu , O. Cadar , A. Becze , M. Senila , E.A. Levei , D.E. Dumitras , I. Tenu , C. Roman	3.267

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17.	Biomass burning events measured by lidars in EARLINET - Part 1: Data analysis methodology	Atmospheric Chemistry and Physics, vol. 20, pp. 13905-13927, 10.5194/acp-20-13905-2020, 2020	Adam M, Nicolae D , Stachlewska IS, Papayannis A, Balis D	5.414
18.	Capitalization of sea buckthorn waste by fermentation: Optimization of industrial process of obtaining a novel refreshing drink	Journal of Food Processing and Preservation , vol. 44(8), nr. e14565, pp. 1-14, DOI: 10.1111/jfpp.14565, 2020	A. M. Gâtlan, G. Gutt, A. Naghiu	1.405
19.	Characterization of electron beam deposited Nb2O5 coatings for biomedical applications	Materials, vol. 103, nr. 103582, pp. 1-13, 10.1016/j.jmbbm.2019.103582, 2020	Mihaela Dinu, Laurentiu Braic , Sibu C. Padmanabhan, Michael A. Morris, Irina Titorencu, Vasile Pruna, Anca Parau , Nadezhda Romanchikova, Leslie F. Petrik, Alina Vladescu	3.372
20.	Characterization of epitaxial titanium nitride mediated single-crystal nickel oxide grown on MgO-(100) and Si-(100)	AIP ADVANCES, vol. 10, nr. 11, 10.1063/5.0031434, 2020	Liang, Jian-Wei, Li, Kuang-Hui, Kang, Chun Hong, Braic, L, Kiss, AE, Zoita NC , Ng, Tien Khee, Ooi, Boon S.	1.337
21.	Characterization of Lycium barbarum L. berry cultivated in North Macedonia: A chemometric approach	Journal of Berry Research, vol. 10, nr. 2, pp. 223-241, DOI: 10.3233/JBR-190450, 2020	E. Covaci, M. Senila , L. Leopold H. Olah, C. Cobzac, V. Ivanova-Petropoulos, B. Balabanova, O. Cadar, A. Becze , M. Ponta, A. Mot, T. Frentiu	2.208
22.	Characterization of the Nuclear Magnetic Resonance Relaxivity of Gadolinium Functionalized Magnetic Nanoparticles	Analytical Letters, vol. 54, nr. 1-2, pp. 124-139, DOI: 10.1080/00032719.2020.1731522, 2020	A. Nan, M. Suci, I. Ardelean, M. Senila , R. Turcu	1.467
23.	Chemical, nutritional and antioxidant characteristics of different food seeds	Applied Sciences, vol. 10, pp. 1589, doi:10.3390/app10051589, 2020	L. Senila, E. Neag, O. Cadar, M.H. Kovacs, A. Becze, M. Senila	2.474
24.	Comparison and complementary use of in situ and remote sensing aerosol measurements in the Athens Metropolitan Area	Atmospheric Environment, vol. 228, pp. 1-12, 10.1016/j.atmosenv.2020.117439, 2020	Vratolis S, Fetfatzis P, Argyrouli A, Soupiona O, Mylonaki M, Maroufidis J, Kalogridis AC, Manousakas M, Bezantakos S, Biniotoglou I , Labzovskii LD, Solomos S, Papayannis A, Mocnik G , O' Connor E, Muller D, Tzanis CG, Eleftheriadis K	4.039
25.	Complex investigation of high efficiency and reliable heterojunction solar cell based on an improved Cu2O absorber layer	Energies , vol. 13, nr. 18, https://doi.org/10.3390/en13184667 , 2020	Laurentiu Fara, Irinela Chilibon , Ørnulf Nordseth, Dan Craciunescu, Dan Savastru, Cristina Vasiliu, Laurentiu Baschir , Silviu Fara, Raj Kumar, Edouard Monakhov and James P. Connolly	2.702

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26.	Composite material damage monitoring using embedded in polymer matrix optical fiber bragg grating or long period grating sensors	UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, vol. 82, nr. 1, pp. 253-270, 1223-7027, 2020	Dan Savastru, S. Miclos, R. Savastru, F. G. Elfarrar, I. Lancranjan	0.619
27.	Control of microstructure in polymer: Fullerene active films by convective self-assembly	Thin Solid Films, vol. 697, nr. 137780, DOI: 10.1016/j.tsf.2019.137780, 2020	O. Todor-Boer, I. Petrovai, R. Tarcu, L. David, S. Astilean, I. Botiz	2.03
28.	Correlation between Substrate Ion Fluxes and the Properties of Diamond-Like Carbon Films Deposited by Deep Oscillation Magnetron Sputtering in Ar and Ar plus Ne Plasmas	Coatings, vol. 10, nr. 914, pp. 1-16, 10.3390/coatings10100914, 2020	J. Oliveira, F. Ferreira, R. Serra, T. Kubart, C. Vitelaru, A. Cavaleiro,	2.436
29.	Development and Validation of a Spectrometric Method for Cd and Pb Determination in Zeolites and Safety Evaluation	Molecules, vol. 25, nr. 11, pp. 2591, DOI: 10.3390/molecules2512591, 2020	M. Senila, O. Cadar, I. Miu	3.267
30.	Disentangling and quantifying contributions of distinct forcing factors to the observed global sea level pressure field	CLIMATE DYNAMICS, vol. 54, nr. 3-4, pp. 1453-1467, 10.1007/s00382-019-05067-7, 2020	Vaideanu P, Dima M, Pirloaga R, Ionita M	4.486
31.	Effect of amorphous SiO ₂ matrix on structural and magnetic properties of Cu _{0.6} Co _{0.4} Fe ₂ O ₄ /SiO ₂ nanocomposites	Journal of Alloys and Compounds, vol. 849, nr. 156695, https://doi.org/10.1016/j.jallcom.2020.156695 , 2020	T. Dippong, E. A. Levei, O. Cadar, I. G. Deac, M. Lazar, G. Borodi, I. Petean	4.65
32.	Effect of Calcination Time on the Physicochemical Properties and Photocatalytic Performance of Carbon and Nitrogen Co-Doped TiO ₂ Nanoparticles	Catalysts, vol. 10, pp. 1-27, 10.3390/catal10080847, 2020	E.S.M. Mouele, M. Dinu, F. Cummings, O.O. Fatoba, M.T.Z. Myint, H.H. Kyaw, A.C. Parau, A. Vladescu, M.G. Francesconi, S. Pescetelli, A. Di Carlo, A. Agresti, M. Al-Abri, S. Dobretsov, M. Braic, L.F. Petrik	3.52
33.	Effect of laser processing on the microstructure of the FeCrAl alloys	Journal of Optoelectronics and Advanced Materials, vol. 22, nr. 7-8, pp. 411-418, 1454-4164, 2020	V. Geantă, I. Voiculescu, D. Tenciu, L. Baschir, E. M. Stanciu, A. Pascu	0.631
34.	Effects of Thermal Treatment on Natural Clinoptilolite-Rich Zeolite Behavior in Simulated Biological Fluids	Molecules, vol. 25(11), nr. 2570, doi:10.3390/molecules25112570, 2020	O. Cadar, M. Senila, M. A. Hoaghia, D. Scurtu, I. Miu, E. A. Levei	3.267
35.	Emission factors for PM ₁₀ and polycyclic aromatic hydrocarbons (PAHs) from illegal burning of different types of municipal waste in households	Atmospheric Chemistry and Physics, vol. 20, nr. 24, pp. 16135-16144, https://doi.org/10.5194/acp-20-16135-2020 , 2020	A. Hoffer, B. Jancsek-Turóczi, Á. Tóth, G. Kiss, A. Naghiu, E. A. Levei, L. Marmureanu, A. Machon, A. Gelencsér	5.414

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36.	Advanced Mg, Zn, Sr, Si Multi-Substituted Hydroxyapatites for Bone Regeneration	International Journal Of Nanomedicine, vol. 15, pp. 1037-1058, 10.2147/IJN.S226630, 2020	Garbo, C; Locs, J; D'Este, M; Demazeau, G; Mocanu, A; Roman, C ; Horovitz, O; Tomoaia-Cotisel, M	5.115
37.	Enriching the historical meteorological information using Romanian language newspaper reports: A database from 1880 to 1900	INTERNATIONAL Journal Of Climatology, pp. 548-562, https://doi.org/10.1002/joc.6709 , 2020	Cheval S, Haliuc A, Antonescu B , Tişcovschi A, Dobre M, Tătui F, Dumitrescu A, Manea A, Tudorache G, Irimescu A, Birsan MV, Mock C	3.928
38.	Epitaxial GeSn obtained by high power impulse magnetron sputtering and the heterojunction with embedded GeSn nanocrystals for shortwave infrared detection	ACS Applied Materials & Interfaces, pp. 1-22, 10.1021/acsami.0c06212, 2020	I. Dascalescu, N.C. Zoita , A. Slav, E. Matei, S. Iftimie, F. Comanescu, A.M. Lepadatu, C. Palade, S. Lazanu, D. Bucu, V.S. Teodorescu, M.L. Ciurea, M. Braic , T. Stoica	8.758
39.	Evaluation of the quality of local butters: A new approach based on Raman spectroscopy and supported by the classical pycnometer method	Food Science and Technology International, vol. 26, nr. 2, pp. 113-122, 10.1177/1082013219871188, 2020	Stefan-Marian Iordache , Eduard Gatin, Ana-Maria Iordache , Catalin Luculescu	1.654
40.	Extraordinary optical transmission through titanium nitride-coated microsphere lattice	Photonics and Nanostructures - Fundamentals and Applications, vol. 38, nr. 100762, pp. 1-6, 10.1016/j.photonics.2019.100762, 2020	Ana Maria M. Gherman, Alina Vladescu , Adrian E. Kiss , Cosmin Farcau	2.453
41.	First Analytical Study on Second-Century Wall Paintings from Ulpia Traiana Sarmizegetusa: Insights on the Materials and Painting Technique	International Journal of Architectural Heritage, vol. 14, nr. 5, pp. 751-761, DOI: 10.1080/15583058.2019.1568614, 2020	I.M. Cortea , L. Ghervase , O. Ţentea, A.C. Pârâu , R. Rădvan	1.853
42.	GeSn/SiO ₂ multilayers by magnetron sputtering deposition for short-wave infrared photonics	ACS Applied Materials & Interfaces, 10.1021/acsami.0c15887, 2020	A. Slav, I. Dascalescu, A.M. Lepadatu, C. Palade, N.C. Zoita , H. Stroescu, S. Iftimie, S. Lazanu, M. Gartner, D. Buca, V.S. Teodorescu, M.L. Ciurea, M. Braic , T. Stoica	8.758
43.	Graphene oxide-based silico-phosphate composite films for optical limiting of ultrashort near-infrared laser pulses	Nanomaterials, vol. 10, nr. 9, pp. 1638, https://doi.org/10.3390/nano10091638 , 2020	Adrian Petris, Ileana Cristina Vasiliu , Petronela Gheorghe, Ana Maria Iordache , Laura Ionel, Laurentiu Rusen, Stefan Iordache , Mihai Elisa , Roxana Trusca, Dumitru Ulteru, Samaneh Etemadi, Rune Wendelbo, Juan Yang, Knut Thorshaug	4.324
44.	Graphene Oxides/Carbon Nanotubes-Hydroxyapatite Nanocomposites for Biomedical Applications	Arabian Journal for Science and Engineering, vol. 45, pp.219-227, https://doi.org/10.1007/s13369-019-04058-4 , 2020	B. Barabas, E. de Souza Avila, L.O. Ladeira, L.M. Antonio, R. Totos, D. Simedru , L. Bizo, O. Cadar	1.711

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45.	High power impulse magnetron sputtering of diamond-like carbon coatings	Journal of Vacuum Science & Technology B, vol. A38, nr. 043408 , doi.org/10.1116/6.000070, 2020	Tomas Kubart, Asim Aijaz, Joakim Andersson, Fabio Ferreira, João Carlos Oliveira, Arcadie Sobetskii, Anca Constantina Parau, Catalin Vitelaru	2.166
46.	Hindcasting the First Tornado Forecast in Europe: 25 June 1967	Weather and Forecasting, vol. 35, nr. 2, pp. 471-436, 10.1175/WAF-D-19-0173.1, 2020	Antonescu B , Püçik T, Schultz DM	2.95
47.	Human health risk assessment of some bottled waters from Romania	Environmental Pollution, vol. 267, nr. 115409 , DOI: 10.1016/j.envpol.2020.115409, 2020	T. Dippong, M. A. Hoaghia , C. Mihali, E. Cical, M. Calugaru	6.793
48.	Hydroxyapatite surfaces functionalized with a self-assembling peptide: XPS, RAIRS and NEXAFS study	Nanomaterials, vol. 10, nr. 1151, pp. 1-14, 10.3390/nano10061151, 2020	V. Secchi, S. Franchi, M. Dettin, A. Zamuner, K. Beranova, A. Vladescu , C. Battocchio, V. Graziani, L. Tortora, G. Iucci	4.324
49.	Impact of anthropogenic activities on water quality parameters of glacial lakes from Rodnei mountains, Romania	Environmental Research, vol. 182, nr. 109136, DOI: 10.1016/j.envres.2020.109136 , 2020	O. M. Rosca, T. Dippong, M. Marian, C. Mihali, L. Mihalescu, M. A. Hoaghia , M. Jelea	5.715
50.	Impact of Cu ²⁺ substitution by Co ²⁺ on the structural and magnetic properties of CuFe ₂ O ₄ synthesized by sol-gel route	Materials Characterization, vol. 163, nr. 110248, https://doi.org/10.1016/j.matchar.2020.110248, 2020	T. Dippong, I. G. Deac, O. Cadar , E. A. Levei , I. Petean	3.562
51.	Improvement of CoCr alloy characteristics by Ti-based carbonitride coatings used in orthopedic applications	Coatings, vol. 10, nr. 459, doi.org/10.3390/coatings10050495, 2020	Mihaela Dinu , Iulian Pana , Petronela Scripca , Ioan Gabriel Sandu, Catalin Vitelaru , Alina Vladescu	2.436
52.	In situ fluorescence measurements of dissolved organic matter: A review	SCIENCE OF THE TOTAL ENVIRONMENT, vol. 699, nr. 134361, pp. 1-16, 10.1016/j.scitotenv.2019.134361, 2020	Elfrida M. Carstea , Cristina L. Popa , Andy Baker, John Bridgeman	6.551
53.	Chalcogenide Science in Romania	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, vol. 257, nr. 11, 10.1002/pssb.202000284, 2020	Lorinczi, A; Badica, P; Botila, T; Ciurea, M; Velea, A; Popescu, A ; Socol, G; Antohe, S; Nedelcu, N; Sobetskii, A	1.481
54.	In Vitro Corrosion and Tribocorrosion Performance of Biocompatible Carbide Coatings	Coatings, vol. 10, pp. 1-16, 10.3390/coatings10070654, 2020	I. Pana , A. Vladescu , L.R. Constantin , I.G. Sandu, M. Dinu , C.M. Cotrut	2.436
55.	Influence of Cu ²⁺ , Ni ²⁺ , and Zn ²⁺ Ions Doping on the Structure, Morphology, and Magnetic Properties of Co-Ferrite Embedded in SiO ₂	Nanomaterials, vol. 10(3), nr. 580, doi:10.3390/nano10030580, 2020	T. Dippong, E.A. Levei , I.G. Deac, E. Neag , O. Cadar	4.324

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	Matrix Obtained by an Innovative Sol-Gel Route			
56.	Influence of ferrite to silica ratio and thermal treatment on porosity, surface, microstructure and magnetic properties of Zn _{0.5} Ni _{0.5} Fe ₂ O ₄ /SiO ₂ nanocomposites	Journal of Alloys and Compounds , vol. 828, nr. 154409 , https://doi.org/10.1016/j.jallcom.2020.154409 , 2020	T. Dippong, O. Cadar , I.G. Deac, M. Lazar, G. Borodi, E.A. Levei	4.65
57.	Interference-free, green microanalytical method for total mercury and methylmercury determination in biological and environmental samples using small-sized electrothermal vaporization capacitively coupled plasma microtorch optical emission spectrometry	Talanta, vol. 217, nr. 121067, DOI: 10.1016/j.talanta.2020.121067, 2020	S. B. Angyus, E. Darvasi, M. Ponta, D. Petreus, R. Etz, M. Senila , M. Frentiu , T. Frentiu	5.339
58.	Investigation of multifractal cross-correlation surfaces of Hurst exponents for some atmospheric pollutants	PHYSICA A-Statistical Mechanics And Its Applications, vol. 545, pp. 1-16, https://doi.org/10.1016/j.physa.2019.123799 , 2020	Stan C, Marmureanu L , Marin C , Cristescu CP	2.924
59.	Investigation of thermal, structural, morphological and photocatalytic properties of Cu _x Co _{1-x} Fe ₂ O ₄ (0 ≤ x ≤ 1) nanoparticles embedded in SiO ₂ matrix	Materials Characterization, vol. 163, nr. 110268, https://doi.org/10.1016/j.matchar.2020.110268 , 2020	T. Dippong, E. A. Levei , C. L. Lengauer, A. Daniel, D. Toloman, O. Cadar	3.562
60.	Investigation on Metal Adornments From Ancient Eastern Europe	Frontiers in Materials, vol. 7, nr. 600913, pp. 1-13, https://doi.org/10.3389/fmat.2020.600913 , 2020	L. Ghervase , M. Dinu , C. Borș. L.M. Angheluță , R. Rădvan , I.M. Cortea	2.705
61.	Kinetics and equilibrium studies for the removal of Mn and Fe from binary metal solution systems using a romanian thermally activated natural zeolite	Water, vol. 12, nr. 6, pp. 1614, https://doi.org/10.3390/w12061614 , 2020	E. Neag , A.I. Török , C. Tanaselia, I. Aschilean, M. Senila	2.544
62.	Laser cleaning of polychrome artworks. Case study on graffiti	UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, vol. 82, nr. 1, pp. 307-316, ISSN 12237027, 2020	G.R. Dascălu , M.C. Stancu , M. Dinu , N. Pușcaș	0.619
63.	Magnesium doped hydroxyapatite-based coatings obtained by pulsed galvanostatic electrochemical deposition with adjustable electrochemical behavior	Coatings, vol. 10, pp. 1-15, 10.3390/coatings10080727 , 2020	D.M. Vranceanu, I.C. Ionescu, E. Ungureanu, M.O. Cojocaru, A. Vladescu , C.M. Cotrut	2.436

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64.	Microstructure, porosity and magnetic properties of Zn _{0.5} Co _{0.5} Fe ₂ O ₄ /SiO ₂ nanocomposites prepared by sol-gel method using different polyols	Journal of Magnetism and Magnetic Materials, vol. 498(15), nr. 166168 , https://doi.org/10.1016/j.jmmm.2019.166168 , 2020	T. Dippong, O. Cadar, E.A. Levei, I.G. Deac	2.717
65.	Multidisciplinary approach for time-framing of an overpainted wooden iconostasis from Southern Romania	Microchemical Journal, vol. 155, nr. 104685, https://doi.org/10.1016/j.microc.2020.104685 , 2020	Irina Huica, Ioana Maria Cortea, Lucian Cristian Ratoiu, Luminita Gher vase, Roxana Rădvan, Dan Mohanu	3.594
66.	Multinary metal alloys of the Heusler, half-Heusler, dilute magnetic semiconductors, and high entropy families: how would spin make a choice?	Journal of Optoelectronics and Advanced Materials, vol. 22, nr. 11, pp. 647-652, 1454 - 4164, 2020	C.E.A. Grigorescu, C.N. Zoita, A. Sobetkii, A.-M. Iordache, S.-M. Iordache, C.R. Stefan, M.I. Rusu, L. Tortet, A. Tonetto, R. Notonier	0.631
67.	Determination of changes in the microbial and chemical composition of aga cheese during maturation	PLOS ONE, vol. 15, nr. 12, 10.1371/journal.pone.0242824, 2020	Criste, A; Copolovici, L; Copolovici, D; Kovacs, M; Madden, RH; Corcionivoschi, N; Gundogdu, O; Berchez, M; Urcan, AC	2.74
68.	Online Chemical Characterization and Source Identification of Summer and Winter Aerosols in Magurele, Romania	Atmosphere, vol. 11, nr. 4, pp. 1-27, 10.3390/atmos11040385, 2020	Marmureanu L, Vasilescu J, Slowik J, Prevot ASH, Marin CA, Antonescu B, Vlachou A, Nemuc A, Dandocsi A, Szidat S	2.397
69.	Optical reflection of As ₂ Se ₃ -Au plasmonic planar structure for chemical sensors applications	UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, vol. 82, nr. 4, pp. 195-200, 1223-7027, 2020	Aurelian A. Popescu, Dan Savastru, Mihai Stafe, Sorin Miclos, Laurentiu Baschir, Nicolae N. Puscas	0.619
70.	Optimization of High-Pressure Extraction Process of Antioxidant Compounds from Feteasca regala Leaves Using Response Surface Methodology	Molecules, vol. 25, nr. 4209, https://doi.org/10.3390/molecules25184209 , 2020	A. Becze, V. L Babalau-Fuss, C. Varaticeanu, C. Roman	3.267
71.	Optoelectronic investigation of the mural paintings from Dragutesti wooden church, Arges County, Romania	Journal of Optoelectronics and Advanced Materials, vol. 22, nr. 5-6, pp. 303-309, 1454-4164, 2020	M. Dinu, I.M. Cortea, L. Gher vase, M.C. Stancu, I. Mohanu, N. Cristea	0.631
72.	Organochlorine pesticides and dissolved organic matter within a system of urban exorheic lakes	Environmental Monitoring and Assessment, vol. 192, nr. 1, 10.1007/s10661-019-8003-1, 2020	Cristina Liana Popa, Simona Ionela Dontu, Elfrida Mihaela Carstea, Erika Andrea Levei, Cristian Iojă, Ana Maria Popa, Mirela Miclean, Oana Cadar	1.903
73.	Performance Parameters of Inductively Coupled Plasma Optical Emission Spectrometry and Graphite Furnace Atomic	Materials, vol. 13, pp. 5136, doi:10.3390/ma1322513, 2020	M. Senila, O. Cadar, L. Senila, S. Boringier, K. Seaudeau-Pirouley, A. Ruiu, P. Lacroix-Desmazes	3.057

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	Absorption Spectrometry Techniques for Pd and Pt Determination in Automotive Catalysts			
74.	Physical degradation detection on artwork surface polychromies using deep learning models	Romanian Reports in Physics, vol. 72, nr. 805 (2020), pp. 1-10, ISSN 121-1451, 2020	L.M. Angheluță , A. Chiroșca	2.147
75.	Physicochemical characterization of electrodeposited printing plates from the early 1840s in Vienna	Microchemical Journal, vol. 152, pp. 104320, DOI: 10.1016/j.microc.2019.104320, 2020	V.L. Tobisch, I.M. Cortea , L. Ratoiu , R. Rădvan , W. Kautek	3.594
76.	In Vitro Corrosion of Titanium Nitride and Oxynitride-Based Biocompatible Coatings Deposited on Stainless Steel	Coatings, vol. 10, nr. 8, 10.3390/coatings10080710, 2020	Pana, I ; Braic, V ; Dinu, M ; Mouele, ESM; Parau, AC ; Petrik, LF; Braic, M	2.436
77.	Promising polymer-assisted extraction of palladium from supported catalysts in supercritical carbon dioxide	Journal of CO2 Utilization, vol. 41, nr. 101232, https://doi.org/10.1016/j.jcou.2020.101232 , 2020	A. Ruiu, B. Bauer-Siebenlist, M. Senila , T. Janisch, D. Foix, K. Seaudeau-Pirouley, P. Lacroix-Desmazes	5.993
78.	Proportional and bang-bang controller for space vehicle de-tumbling using quaternion-based attitude determination	UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, vol. 82, nr. 3, pp. 205-218, 1223-7027, 2020	Florin Mingireanu, Laurentiu Baschir* , Sorin Miclos , Dan Savastru , Nicolae Julia	0.619
79.	Pulsed laser deposition films based on CdSe-doped zinc aluminophosphate glass	The Journal of The Minerals, Metals & Materials Society (TMS), https://doi.org/10.1007/s11837-020-04150-3 , 2020	M. Elisa , S.-M. Iordache , A.-M. Iordache , M. I. Rusu , G. Socol, M. Filipescu, C. Bartha, M. Enculescu	2.054
80.	Phenolic content and antioxidant capacity of pomace and canes extracts of some vitis vinifera varieties cultivated in Romania	Farmacia, vol. 68, nr. 1, pp. 15-21, 10.31925/farmacia.2020.1.3, 2020	Moldovan, ML; Bogdan, C; Iurian, S; Roman, C ; Oniga, I; Benedec, D	1.607
81.	Quality and Health Risk Assessment Associated with Water Consumption-A Case Study on Karstic Springs	Water, vol. 12(12), nr. 3510, doi:10.3390/w12123510, 2020	A. Moldovan , M. A. Hoaghia , E. Kovacs , I. C. Mirea, M. Kenesz, R. A. Arghir, A. Petculescu, E. A. Levei , O. T. Moldovan	2.544
82.	Rapid detection of walnut and pumpkin oil adulteration using Raman spectroscopy and partial least square methodology	Notulae Botanicae Horti Agrobotanici Cluj-Napoca, vol. 48, nr. 3, pp. 1426-1438, DOI:10.15835/nbha48312024, 2020	A. Becze , D. Simedru	1.168
83.	Reduced graphene oxide today	Journal of Materials Chemistry C, vol. 8, nr. 4, pp. 1198-1224, DOI: 10.1039/C9TC04916A, 2020	R. Tarcan, O. Todor-Boer , I. Petrovai, C. Leordean, S. Astilean, I. Botiz	7.059

Nr crt	TITLUL	REVISTA	AUTORII	FI
84.	Role of non-fluorescent chromophores in inner filter effect correction and PARAFAC decomposition	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, vol. 229, 10.1016/ j.saa. 2019.117878, 2020	Elfrida M.Carstea , Stéphan Mounier, Rolan Redon, Cristina L. Popa	3.232
85.	Satellite validation strategy assessments based on the AROMAT campaigns	Atmospheric Measurement Techniques, vol. 13, nr. 10, pp. 5513-5535, 10.5194/amt-13-5513-2020, 2020	Merlaud A, Belegante L , Constantin DE, Den Hoed M, Meier AC, Allaart M, Ardelean M, Arseni M, Bosch T, Brenot, H, Calcan A, Dekemper E, Donner S, Dorner S, Dragomir MCB, Georgescu L, Nemuc A , Nicolae D , Pinardi G, Richter A, Rosu A Ruhtz T, Schonhardt A, Schuetttemeyer D, Shaiganfar R, Stebel K, Tack F, Vajaia SN, Vasilescu J , Vanhamel J, Wagner T, Van Roozendaal M	3.668
86.	Single Source Precursor for PAD-LaMnO3 Thin Films	Crystals, vol. 10(9), nr. 851, DOI: 10.3390/cryst10090851, 2020	R.B. Sonher, R.A. Varga, M.Nasui, T. Petrisor, M.S. Gabor, M. Senila , A. Rufoloni, T. Petrisor, L. Ciontea	2.404
87.	Spatial variation of organochlorine pesticides and dissolved organic matter in urban closed lakes	Journal Of Environmental Science And Health Part B- Pesticides Food Contaminants And Agricultural Wastes, pp. 1-14, https://doi.org/10.1080/03601234.2019.1697141 , 2020	Cristina L. Popa , Simona I. Dontu , Erika A. Levei , Cristian I. Ioja, Ana-Maria Popa, Mirela Miclean , Maria-Alexandra Hoaghia , Oana Cadar , Elfrida M. Carstea	1.697
88.	Spatio-temporal discrimination of molecular, aerosol and cloud scattering and polarization using a combination of a Raman lidar, Doppler cloud radar and microwave radiometer	OPTICS EXPRESS, vol. 28, nr. 14, pp. 20117-20134, 10.1364/OE.393625, 2020	Wang DX, Stachlewska IS, Delanoe J, Ene D , Song XQ, Schuetttemeyer D	3.669
89.	Spin coating immobilisation of C-N-TiO2 co-doped nano catalyst on glass and application for photocatalysis or as electron transporting layer for perovskite solar cells	Coatings, vol. 10, nr. 1029, pp. 1-24, 10.3390/coatings10111029, 2020	E.S.M. Mouele, S. Ngqoloda, S. Pescetelli, A. Di Carlo, M. Dinu , A. Vladescu , A.C. Parau , A. Agresti, M. Braic , C.J. Arendse, L.F. Petrik	2.436
90.	Study of Clear Air Turbulence Related to Tropopause Folding over the Romanian Airspace	ATMOSPHERE, vol. 11, nr. 10, pp. 1-24, 10.3390/atmos11101099, 2020	Stefan S, Antonescu B , Urlea AD, Buzdugan L, Andrei MD, Necula C, Voinea S	2.397
91.	SURFACE PLASMON RESONANCE IN As2Se3 PLANAR WAVEGUIDES FOR THE IR SPECTRAL REGION	Chalcogenide Letters, vol. 17, nr. 3, pp. 59-64, 1584-8663 , 2020	A. A. Popescu , D. Savastru , L. Baschir* , V. V. Verlan, O. Bordian, M. Stafe, N. Puscas	0.779
92.	SURFACE PLASMON RESONANCE USING As2S3 FILM FOR WATER SALINITY DETERMINATION	Chalcogenide Letters, vol. 17, nr. 1, pp. 33-39, 1584-8663, 2020	L. Baschir* , S. Miclos , D. Savastru , A. A. Popescu	0.779

Nr crt	TITLUL	REVISTA	AUTORII	FI
93.	Sustainability problematization and modeling opportunities	Sustainability, vol. 12, nr. 23, pp. 10046, https://doi.org/10.3390/su122310046 , 2020	E. Kovacs, M.A. Hoaghia, L. Senila, D. A. Scurtu, D. E. Dumitras, C. Roman	2.576
94.	Sustainable biomass pellets production using vineyard wastes	Agriculture-Basel, vol. 10, nr. 11, pp. 501, doi:10.3390/agricultur e10110501, 2020	L. Senila, I. Tenu, P. Carlescu, O. R. Corduneanu, E. P. Dumitrachi, E. Kovacs, D. A. Scurtu, O. Cadar, A. Becze, M. Senila, M. Roman, D. E. Dumitras, C. Roman	2.072
95.	Synthesis and characterization of a titanium phosphate-tellurite glass for Faraday rotators	Journal of the American Ceramic Society, vol. 103, nr. 7, pp. 3978-3990, https://doi.org/10.1111/jace.17071 , 2020	Elisa Mihail, Boroica Lucica, Sava Bogdan Alexandru, Iordache Stefan Marian, Iordache Ana-Maria, Vasiliu Ileana Cristina, Stefan Raluca Constantina, Galca Aurelian Catalin, Kuncser Victor, M. Eftimie	3.502
96.	Temperature detector based on a SILPG structure embedded into polymer matrix of a smart composite material	Composite Structures, vol. 245, https://doi.org/10.1016/j.compstruct.2020.112318 , 2020	D.Savastru, L.Baschir, S.Miclos, R.Savastru, I.I.Lancranjan	5.138
97.	Temporal Trend of PM(10)and Associated Human Health Risk over the Past Decade in Cluj-Napoca City, Romania	Applied Sciences-Basel, vol. 10, nr. 15, pp. 1-13, 10.3390/app10155331, 2020	Levei L, Hoaghia MA, Roman M, Marmureanu L, Moisa C, Levei EA, Ozunu A, Cadar O	2.474
98.	Testing different membrane filters for 16s rRNA gene-based metabarcoding in karstic springs	Water, vol. 12(12), nr. 3400, doi:10.3390/w12123400, 2020	O. T. Moldovan, A. Baricz, E. Szekeres, M. Kenesz, M. A. Hoaghia, E. A. Levei, I. C. Mirea, R. Nastase-Bucur, T. Brad, I. Chiciudean, H. L. Banciu	2.544
99.	The level of polycyclic aromatic hydrocarbons (PAHs) from pork meat depending on the heat treatment applied	Romanian Biotechnological Letters, vol. 25, nr. 3, pp. 1601-1606, doi: 10.25083/rbl/25.3/1601.1606, 2020	A. Coroian, V. Mireşan, C. O. Coroian, C. Răducu, D.Cocan, L. Andronie, A. Naghiu, A. L. Longodor, R. Constantinescu, Z. Marchiş	0.765
100.	Tornadoes in Northern Eurasia: From the Middle Age to the Information Era	Monthly Weather Review, vol. 148, nr. 8, pp. 3081-3110, 10.1175/MWR-D-19-0251.1, 2020	Chernokulsky A, Kurgansky M, Mokhov I, Azhigov I, Selezneva E, Zakharchenko D, Antonescu B, Kuhne T	3.435
101.	Tornadoes in Romania-from Forecasting and Warning to Understanding Public's Response and Expectations	Atmosphere, vol. 11, nr. 9, pp. 1-26, https://doi.org/10.3390/atmos11090966 , 2020	Andrei S, Andrei M, Hustiu M, Cheval S, Antonescu B	2.397
102.	Towards Phase Pure Kesterite Cu ₂ ZnSnS ₄ Absorber Layers Growth via Single Step Free Sulfurization Electrodeposition under a Fix Applied Potential on Mo Substrate	Journal of Alloys and Compounds, vol. 842, https://doi.org/10.1016/j.jallcom.2020.155821 , 2020	S. Azmi, A. Moujib, O.A. Layachi, E. Matei, A.C. Galca, M.Y. Zaki, M. Secu, M.I. Rusu, C.E.A. Grigorescu, E. M. Khomri	4.65

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103.	Tribological properties of alloyed TiSi-stainless steel carbide coatings deposited by reactive cathodic arc method	Wear, vol. 460-461, nr. 203456, pp. 1-10, 10.1016/j.wear.2020.203456, 2020	M Braic, A. Vladescu, A. Parau, C.I. Pruncu, V. Braic	4.108
104.	Uncovering hidden jewels: an investigation of the pictorial layers of an 18th-century Taskin harpsichord	Heritage Science, vol. 8, nr. 55, pp. 1-19, : https://doi.org/10.1186/s40494-020-00401-3 , 2020	I.M. Cortea, L. Ghervase, L. Ratoiu, M. Dinu, R. Rădvan	1.902
105.	Variability of the Boundary Layer Over an Urban Continental Site Based on 10 Years of Active Remote Sensing Observations in Warsaw	Remote Sensing, vol. 12, nr. 2, pp. 1-33, 10.3390/rs12020340, 2020	Wang DX, Stachlewska IS, Song XQ, Heese B, Nemuc A	4.509
106.	Vine shoots waste - new resources for bioethanol production	Romanian Biotechnological Letters, vol. 25, nr. 1, pp. 1253-1259, DOI: 10.25083/rbl/25.1/1253.1259, 2020	L. Senila, E. Neag, I. Torok, O. Cadar, E. Kovacs, I. Tenu, C. Roman	0.765

Publicate in reviste Indexate ISI			
1.	A comparison between chinese finger trap and roman sandals suture in peritoneal dialysis catheters for chronic kidney disease applied in veterinary medicine	Industria Textila Journal, vol. 1, nr. 1, pp. 8-11, 10.35530/IT.071.01.1722, 2020	B.A. VIȚĂLARU, A. CHIOTOROIU, M.I. RUSU*, M. CARMEN
2.	Bioethanol production from Abies Alba wood using adaptive neural fuzzy interference system mathematical modeling	Cellulose Chemistry and Technology, vol. 54, nr. 1-2, pp. 53-64, DOI: 10.35812/CelluloseChemTechnol.2020.54.06, 2020	L. Senila, S. Costiug, A. Becze, D. Kovacs, E. Kovacs, D. A. Scurtu, O. Todor-Boer, M. Senila
3.	Biofunctionalization of Ti6Al4V surface with Ag modified hap coatings via electrochemical deposition	University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science, vol. 82, nr. 4, pp. 307-324, 1454-2331, 2020	Ungureanu, E; Ionescu, IC; Zamfir-Andronic, RI; Vasilescu, M; Milea, CG; Dobrescu, M; Vranceanu, DM; Cotrut, CM
4.	Experimental model of a combined thermal system for efficient use of renewable energies	INMATEH-Agricultural Engineering, vol. 60, nr. 1, pp. 287-294, DOI: https://doi.org/10.35633/inmateh-60-32 , 2020	Cătălin Dumitrescu, Radu Rădoi, Corneliu Cristescu, Liliana Dumitrescu
5.	Hyperspectral Imaging Combined with Machine Learning Classifiers for Diabetic Leg Ulcer Assessment - A Case Study.	Communications in Computer and Information Science, vol. 1065, pp. 74-85, https://doi.org/10.1007/978-3-030-39343-4_7 , 2020	Calin MA, Parasca SV, Manea D, Savastru R.
6.	Meteorological and Ancillary Data Resources for Climate Research in Urban Areas	Climate, vol. 8, nr. 3, pp. 1-25, 10.3390/cli8030037, 2020	Cheval S, Micu D, Dumitrescu A, Irimescu A, Frighenciu M, Iojă C, Tudose NT, Davidescu S, Antonescu B

Publicate in proceedings-uri Indexate ISI			
1.	ACTRIS and its aerosol remote sensing component	EPJ Web of Conferences, vol. 237, pp. 1-4, https://doi.org/10.1051/epjconf/202023705003 , 2020	Wandinger U, Nicolae D, Pappalardo G, Mona L, Comeron A
2.	Aerosol field influence on the retrieval of the ozone vertical column densities from Pandora 2S measurements	EPJ Web of Conferences, vol. 237, pp. 1-4, https://doi.org/10.1051/epjconf/202023703002 , 2020	Dandocsi A, Nemuc A, Nicolae D, Belegante L, Cede A, Tiefengraber M
3.	Assessing climate impacts on urban forest changes using time series satellite data	Proc. SPIE, Eighth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2020), 10.1117/12.2570453, 2020	Dan M. Savastru, Maria A. Zoran, Roxana S. Savastru
4.	Assessing the long term stability of the depolarization constant for the Cluj station	EPJ Web of Conferences, vol. 237, pp. 1-2, https://doi.org/10.1051/epjconf/202023708006 , 2020	Stefanie H, Ajtai N, Radovici A, Ene D, Belegante L
5.	Automatic Alert System for Tropospheric Particulate Pollution Monitoring	EPJ Web of Conferences, vol. 237, 10.1051/epjconf/202023703004, 2020	Adam M, Fragkos K, Binietoglou I
6.	Biomass Burning Measurements in Earlinet	EPJ Web of Conferences, vol. 237, 10.1051/epjconf/202023705005, 2020	Adam M, Nicolae D, Belegante L, Stachlewska IS, Szczepanik D, Mylonaki M, Papanikolaou CA, Siomos N, Voudouri KA, Apituley A, Alados-Arboledas L, Bravo-Aranda JA, Pietruczuk A, Chaikovski A, Sicard M, Muñoz-Porcar C, Mattis I, Papagiannopoulos N, Mona L, Baars H, Wandinger U, Bortoli D, Grigorov I, Peshev Z, Antonescu B
7.	Biomonitoring of air pollution by moss bags in Cluj-napoca city, Romania	International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2020,, vol. 20, nr. 4.1, pp. 313-320, DOI:10.5593/sgem2020/4.1/s19.039, 2020	L. Levei, I. Török, O. Cadar, E. A. Levei, A. Ozunu
8.	Biomonitoring of atmospheric metal pollution using Northern white-cedar (Thuja occidentalis) leaves	AIP Conference proceedings, vol. 2206, nr. 020001, https://doi.org/10.1063/5.0000188 , 2020	L. Levei, O. Cadar, E. Kovacs, I. Torok, A. Ozunu
9.	Composite Material Cracks Detection Using a Self-Interference Long Period Grating Fiber Sensor	Macromolecular Symposia, vol. 389, nr. 1, https://doi.org/10.1002/masy.201900073 , 2020	Dan Savastru, Laurentiu Baschir, Sorin Miclos, Roxana Savastru and Ion Lancranjan
10.	Conceptual solutions for digital hydraulic pumps	IOP Conference Series: Materials Science and Engineering, vol. 968, DOI: 10.1088/1757-899X/968/1/012025, 2020	P. Drumea, I. C. Dumitrescu, M. Al. Hristea

11.	Digital pumping system with electromechanical repartition	Advances in Hydraulic and Pneumatic Drives and Control 2020 NSPH 2020, pp. 159-168, DOI: 10.1007/978-3-030-59509-8_14, 2020	P. Drumea, C. Dumitrescu, V. Barbu, D. Opruta, D. Banyai
12.	Dynamics of proportional speed control versus servo speed control of a hose / cable spooling device for winch / Dinamica reglării proporționale a vitezei versus servoreglarea vitezei depănătorului de furtun / cablu al tamburului	INMATEH-Agricultural Engineering, vol. 62, nr. 3, pp. 379-388, DOI: https://doi.org/10.35633/inmateh-62-40 , 2020	Alexandru-Polifron Chiriță, Marian Blejan, Teodor-Costinel Popescu, Ana-Maria Popescu
13.	In situ study by XRF and LDV of mural paintings in Magdalena church (Seville, Spain) in In situ study by XRF and LDV of mural paintings in Magdalena church (Seville, Spain)	CRC Press, vol. 1, pp. 343-347, DOI: 10.1201/9780429345470-65, 2020	A. Tirado-Hernández, J. Becerra, R. Ortiz, P. Ortiz, A. Gomez-Moron, L. Ghervase, I.M. Cortea, R. Rădvan
14.	Infiltration in composite materials polymer matrix using a self-interference long period fiber sensor	Macromolecular Symposia, vol. 386, nr. 1, https://doi.org/10.1002/masy.201900071 , 2020	Sorin Miclos, Laurentiu Baschir, Dan Savastru, Roxana Savastru, and Ion Lancranjan
15.	Interlaboratory experience to evaluate the vulnerability of Churches in Seville (Spain) in Interlaboratory experience to evaluate the vulnerability of churches in Seville (Spain)	CRC Press, vol. 1, pp. 409-413, DOI: 10.1201/9780429345470-78, 2020	A.Tirado-Hernández, R. Ortiz, P. Ortiz, J. Becerra, R. Rădvan, A. Chelmuș, L. Ratoiu
16.	Monitoring of land surface radiative parameters in Bucharest city through thermal infrared remote sensing	Proc. SPIE, Eighth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2020), 10.1117/12.2570452, 2020	Maria A. Zoran, Roxana S. Savastru, Dan M. Savastru, Marina N. Tautan, Laurentiu A. Baschir
17.	Non-destructive techniques applied to the study and diagnosis of ceramic and glazed terracotta works in Omnium Sanctorum church (Seville, Spain) in Non-destructive techniques applied to the study and diagnosis of ceramic and glazed terracotta tombs in Omnium Sanctorum church (Seville, Spain)	CRC Press, vol. 1, pp. 348-352, DOI: 10.1201/9780429345470-66, 2020	A. Tirado-Hernández, J. Becerra, R. Ortiz, P. Ortiz, A. Gomez-Moron, L. Ghervase, I.M. Cortea, L. Angheluță, R. Rădvan
18.	Non-destructive techniques applied to the study of Maqsura at Cordoba Cathedral (Spain) in Non-destructive techniques applied to in situ study of Maqsura at Cordoba cathedral (Spain)	CRC Press, vol. 1, pp. 338-342, DOI: 10.1201/9780429345470-64, 2020	A. Gomez-Moron, P. Ortiz, R. Ortiz, J. Becerra, R. Gomez-Cañada, R. Rădvan, A. Chelmuș, L. Ratoiu, L. Ghervase, I.M. Cortea, C. Constantin, L. Angheluță

19.	Nonlinear optical surface plasmon resonance in amorphous arsenic sulfide films	Macromolecular Symposia, vol. 389, nr. 1, https://doi.org/10.1002/masy.201900065 , 2020	Aurelian A. Popescu , Mihai Stafe, Dan Savastru , Laurentiu Baschir* and Niculae Puscas
20.	Predictive maintenance in correlation with Industry 4.0 and the Circular Economy	Proceedings of the International Conference of Mechatronics and Cyber-MixMechatronics - 2020 Lecture Notes in Networks and Systems, vol. 143, pp. 34-43, DOI: 10.1007/978-3-030-53973-3_5, 2020	P. Drumea , Al. Marinescu
21.	Preliminary study on the adsorption of petroleum hydrocarbons using natural zeolitic tuff from Romania	International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2020,, vol. 20, nr. 6.1, pp. 109, DOI:10.5593/sgem2020/6.1/s24.015, 2020	M.A. Hoaghia , E. Kovacs , C. Roman , M.Senila , I. Aschilean
22.	Pre-seismic anomalies from satellite data associated with some moderate Vrancea earthquakes	Proc. SPIE, Eighth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2020), 10.1117/12.2570449, 2020	Maria A. Zoran , Roxana S. Savastru , Dan M. Savastru
23.	Research regarding evaluation of energy consumption for manufacturing of pellets from vine puning residues	19th International Scientific Conference Engineering For Rural Development, vol. 19, pp. 54-62, DOI: 10.22616/ERDev2020.19.TF013, 2020	I. Tenu, R. Rosca, P. Carlescu, C. Roman , L.R Senila , V. Arsenoia, D. Emanuil, B. Marius, O.R Corduneanu
24.	Studies on the modification of some natural zeolite from nw Romania after acid and basic treatments	International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 2020, vol. 20, nr. 1.1, pp. 309, DOI:10.5593/sgem2020/L1/s01.039, 2020	O. Cadar , Z. Dinca , M. Senila , A. Becze , F. Todor
25.	Surface plasmon resonance chemical sensors based on amorphous chalcogenide waveguides	Macromolecular Symposia, vol. 389, nr. 1, https://doi.org/10.1002/masy.201900066 , 2020	Laurentiu Baschir , Aurelian A. Popescu , Dan Savastru , and Sorin Miclos
26.	Synergetic observations by ground-based and space lidar systems and AERONET sun-radiometers: a step to advanced regional monitoring of large scale aerosol changes	EPJ Web of Conferences, vol. 237, pp. 1-4, https://doi.org/10.1051/epjconf/202023702035 , 2020	Chaikovskiy A, Bril A, Dubovik O, Fedarenka A, Goloub P, Hu Q, Lopatin A, Lapyonok T, Miatselskaya N, ..., Belegante L , Nicolae D , Ene D , et al
27.	Polarization lidar for detecting dust orientation	EPJ Web of Conferences, vol. 237, 10.1051/epjconf/202023702028, 2020	Tsekeri, A; Freudenthaler, V; Doxastakis, G; Gasteiger, J; Louridas, A; Georgoussis, G; Biniotoglou, I ; Georgiou, T; Ulanowski, Z; Amiridis, V
28.	The bioenergy sector efficiency in the global demand context	AIP Conference proceedings, vol. 2206, nr. 040001-040005, doi.org/10.1063/5.0000226, 2020	E. Kovacs , L. Senila , D. A. Scurtu , C. Roman , D. E. Dumitras

29.	The ESA-EVE polarization lidar for assessing the aeolus aerosol product performance	EPJ Web of Conferences, vol. 237, pp. 1-4, https://doi.org/10.1051/ejconf/202023707025 , 2020	Paschou P, Proestakis P, Tsekeri A, Siomos N, Gkikas A, Gialitaki A, Marinou E, Biniotoglou I , Meleti C, Freudenthaler V, Georgoussis G, Doxastakis G, Louridas A, Bismarck Jv, Amiridis V
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