

Lista lucrari si proiecte de cercetare 2012-2019 –Pencea Ion, SMMMMF

Carti/capitole
1. Pencea, I. <i>Multiconvolutional Approach to Treat the Main Probability Distribution Functions Used to Assess the Uncertainties of Metallurgical Tests</i> , capitolul 6 in Metallurgy - Advances in Materials and Processes, Editura InTech, ISBN 978-953-51-0736-1, 2012, 186 pg, DOI: 10.5772/2852.
. A.2.1. Articole în reviste cotate ISI Th. R. web of science Core Collection[FI]și în volume indexate ISI proceedings-Web of science[2]
1) Dan Gheorghe, Ion Pencea * , Iulian Vasile Antoniac, Ramona-Nicoleta Turcu, Investigation of the Microstructure, Hardness and Corrosion Resistance of a New 58Ag24Pd11Cu2Au2Zn1.5In1.5Sn Dental Alloy, MATERIALS, (*corresponding author), Vol.:12; Issue:24, Pgs: 1-13, 2019 , WOS:000507308200177 , PubMed ID: 31847262, eISSN: 1996-1944, FI=2.97 (2018) , Q2
2) Pencea, I ; Turcu, RN ; Miculescu, F; Predescu, C.; Comanescu, B., Studies Concerning the Usage of the Intrinsic Morphological and Chemical Features of Some Common and Document Paper Types as Security Items, REVISTA DE CHIMIE, Vol. 69 Issue: 11, 2018 , Pgs: 3090-3096, WOS:000451931500028 , ISSN: 0034-7752, FI:1.605 (2018) , Q3
3) Ion Pencea , Mihai Branzei*, Mihai Ovidiu Cojocar, Ramona Nicoleta Turcu, Cristian Predescu, Andrei Berbecaru, Alina Popescu Arges, Brindus Comanescu, <i>A New Robust Top-Down Method for Measurement Uncertainty Estimation of the ED(P)- XRFs Outcomes Carried on a Fluorescence Glass</i> , REVISTA DE CHIMIE, Vol.:69; Issue:9, Pgs:2487-2493, 2018 , WOS:000449628400038 , ISSN: 0034-7752, FI:1.605 (2018) , Q3
4) Pencea, I. , Branzei, M, Turcu, R. N., Sfat, C. E., <i>New Approach for Chemical Homogeneity Analysis of an AISI 316L Stainless Steel Bar Batch</i> , REVISTA DE CHIMIE; Vol.:69; Issue:5; Pgs.:1079-1083; 2018 , WOS:000434954100010 ; ISSN: 0034-7752, FI=1,605 (2018) , Q3 50*1,605/4=20,06
5) Mihai Branzei, Ion Pencea , Alecs Andrei Matei, Catalin Eugen Sfat, Iulian Vasile Antoniac, Ramona Nicoleta Turcu , Victor Manoliu, <i>Influence of high temperature exposure on the adhesion of a micro-composite refractory enamel to a Ni–18Cr–12W superalloy</i> , JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, (*corresponding author), Volume: 31 Issue: 23 Pages: 2555-2570, 2017 , WOS:000408668200003 , ISSN: 0169-4243, eISSN: 1568-5616, FI: 1,21 (2018) , Q3
6) A Maidaniuc, F. Miculescu, S.I. Voicu, C. Andronescu, M. Miculescu, E. Matei, A.C. Mocanu, I. Pencea , I.Csaki, T. Machedon-Pisu, L.T. Ciocan, <i>Induced wettability and surface-volume correlation of composition for bovine bone derived hydroxyapatite particles</i> , Applied Surface Science, Vol. 438, pag. 158-166, DOI:10.1016/j.apsusc. 2017 .07.074; Web of Science Categories: Materials Science, Coatings & Films, WOS:000425731200017 , ISSN: 0169-4332, FI=5.155 (2018) , Q1
7) Matei, A. A.; Pencea I ; Branzei, M.; Tranca, D. E. Tepes, G. Sfat, C. E. Ciovica (Coman), E. Gherghilescu, A. I., Stanciu, G. A.” Corrosion Resistance Appraisal of TiN, TiCN and TiAlN Coatings Deposited by CAE-PVD Method on WC-Co Cutting Tools Exposed to Artificial Sea Water” Proceeding of the 9th International Conference on Materials Science and Engineering (BRAMAT) APPLIED SURFACE SCIENCE Volume: 358 Pages: 572-578 Part: B Published: DEC 15 2015 ,

<p>Accession Number: WOS:000366220500010 ISSN: 0169-4332 eISSN: 1873-5584, FI=5.155 (2018), Q1</p>
<p>8) Matei, A. A.; Pencea, I.; Stanciu, S. G. Hristu, R, Antoniac, I.; Ciofica (Coman), E.; Sfat, C. E.; Stanciu, G. A., „<i>Structural Characterization and Adhesion Appraisal of TiN and TiCN Coatings Deposited by CAE-PVD Technique on a New Carbide Composite Cutting Tool</i>” JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, Volume: 29 Issue: 23 Pages: 2576-2589 Published: DEC 2 2015, DOI: 10.1080/01694243.2015.1075857 Accession Number: WOS:000360620800006, ISSN: 0169-4243 eISSN: 1568-5616, FI= 1.21 (2018)</p>
<p>9) Branzei M.; Mihailescu B.; Pencea I. „Lead/Lead-Free Solder Alloys Shear Tests Correlations With Structure at Different Temperatures”, Proceeding of the 37th International Spring Seminar on Electronics Technology (ISSE) - Advances in Electronic System INTEGRATION, Book Series: INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY ISSE Pages: 256-259 Published: 2014, WOS:000346580500051, ISBN:978-1-4799-4455-2 ISSN: 2161-2528, FI: 0.0</p>
<p>10) Pencea, I. Tiriba, G „<i>Multiconvolutional Approach for Uncertainty Estimation of the Residual Stresses Measured by XRD SIN2 psi Method</i>”, University Politehnica of Bucharest SCIENTIFIC BULLETIN-SERIES A- Applied Mathematics And Physics, Volume: 75 Issue: 4 Pages: 275-284 Published: 2013, Accession Number: WOS:000328301900024, ISSN: 1223-7027, FI=0.478 (2018), Q4</p>
<p>11) Miculescu, F, Miculescu, M, Ciocan, LT, Pencea I., Ernuteanu, A, Matei, E „<i>Correlation of Spectrometric Methods in Hard Tissue Heavy Elements Concentration Study</i>” University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics, Volume: 75 Issue: 1 Pages: 233-242 Published: 2013, WOS:000315547300022, ISSN: 1223-7027, FI=0.478 (2018)</p>
<p>12) Branzei, Mihai; Pencea, Ion; Plotog, Ioan; Miculescu, F; Cristea, I; Thumm, A., <i>THE MISCHMETAL AND BI94ZN6 EFFECT ALLOYING ON SACCX 0307</i>” Conference: 36th International Spring Seminar on Electronics Technology Location: Alba Iulia, ROMANIA Date: MAY 08-12, 2013; Proceedings Of The 36th International Spring Seminar On Electronics Technology (ISSE) Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 24-29 Published: 2013, WOS:000374113900005, ISBN:978-1-4799-0036-7, ISSN: 2161-2528, FI= 0.0</p>
<p>A.1.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte Baze de Date Internationale [BDI]</p>
<p>1) Turcu, R.N., Matei, A.A., Pencea, I., Cojocar, M.O., <i>NEW APPROACH FOR WHEAT GRAIN ELEMENTAL ANALYSIS BASED ON ED(P)-XRF METHOD</i>, (2017) UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 79 (4), pp. 253-260, Document Type: Article, Source: Scopus</p>
<p>2) Pencea, I., Sfat, C.E., Branzei, M., Plotog, I., <i>NEW APPROACH FOR MEASURING THE SURFACE TENSION OF SNAGCU305 MOLTEN ALLOY</i>, (2012) 2012 IEEE 18th International Symposium for Design and Technology of Electronics Packages, SIITME 2012 – Conference Proceedings, art. No. 6384367, pp. 157-161., DOI: 10.1109/SIITME.2012.6384367 Document Type: Conference Paper, Source: Scopus</p>

A.2.4 Granturi/proiecte de cercetare câştigate prin competitie/2012-2019

1) PN-III-P2-2.1-BG-2016-0338, Tehnologie Spectrala Pentru Securizarea Avansata A Documentelor, 2016-2018, Buget 460.000 lei, Director proiect

2. POC-G-A1.2.3. CF 130/23,09,16 ID P-40-253, Eco Nano tehnologii de depoluare a apelor si valorificarea deseurilor, Contract subsidiar nr. 25036/11.12.2018, Valorificare aluminotermica a deseurilor 2018-2019, Buget 90.000 lei, Responabil contract

3) POC-G-A1.2.3. CF 130/23,09,16 ID P-40-253, Eco Nano tehnologii de depoluare a apelor si valorificarea deseurilor, 2016-2020, Buget 13.800.000 lei **membru**