

2- Listă cu lucrări reprezentative (selecție)

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1. Nascov, V., Samoilă, C., Ursuțiu, U., **"CORROSION MONITORING BY OPTICAL INSPECTION WITH COHERENT AND INCOHERENT LIGHT"** Revista JOAM-Journal of Optometry and Advanced Materials -OAM-RC nr. 11-12/**2014**. ISSN 1937 – 7375,
2. Cotfas, D.T., Cotfas, P.A., Kaplani, E., Samoila, C., **"MONTHLY AVERAGE DAILY GLOBAL AND DIFFUSE SOLAR RADIATION BASED ON SUNSHINE DURATION AND CLEARNESS INDEX FOR BRASOV, ROMANIA"** Revista Journal of Renewable and Sustainable Energy **6**, 053106 (2014); E-ISSN: 1941-7012, DOI: 10.1063/1.4896596, AIP Publishing-**2014**, pp. 053106-1 -053106-16
3. Ursuțiu, D., Samoilă, C., Balteș, L.S., Țierean, M.H., Vekas, L., Jinga, V., **"LABVIEW IN ULTRASOUND PLASTIC MATERIALS MEASUREMENT"** Revista JOAM (Journal of Optoelectronics and Advanced Materials) Vol.15 No.7-8 July-August pp.750-754-**2013**
4. Jinga, V., Dudiță, M., Nascov, V., Samoilă, C., Ursuțiu, C., **"APPLICATION OF NANOSTRUCTURED TECHNOLOGY FOR ACCURACY INCREASING IN A GAS FLOW METER CASE"** -Revista Metalurgia International Vol.18–nr.5/**2013** pp.152 – 158- ISSN – 1582 - 2214
5. Oancea, L., Vețeleanu, A., Nascov, V., Chichernea, F., Ursuțiu, D., Samoilă, C., **"CORROSION BEHAVIOR IN RINGER SOLUTION BIOCOMPATIBLE ALLOYS- 316L AND Ti6Al4V"** -Revista Metalurgia International –nr.5/**2013** Vol.18-pp. 121 – 125, ISSN – 1582 – 2214;
6. Cotfas, P., Cotfas, D., Samoilă, C., Varga, B., Ursuțiu, D., Zamfira, S., Vitureanu, P., **"INDIRECT MEASUREMENT OF TRANSFORMATION TEMPERATURES AT SHAPE MEMORY ALLOYS OF CuZnAl CATEGORY"** BRAMAT Revista Metalurgia International –nr.6/**2013**, ISSN – 1582 - 2214
7. Jinga, V., Monescu, V., Samoila, C., Ursutiu, D., Cotfas, P – **"EXPERIMENTAL METHOD FOR SOLVING A THERMAL FLOW METER MATHEMATICAL MODEL"**- Rev. Metalurgia International, Vol.18, Nr. 1/ **2013**, pp.- 81-84, ISSN – 1582 – 2214;
1. Jinga, V., Dudita, M., Samoila, C., Ursutiu, D., - **"NANOSTRUCTURED COPPER OXIDES OBTAINED VIA ELECTRODEPOSITION FOR GAS SENSOR APPLICATION"** – ROCAM-Conference 2012- Aug. **2012**, Brasov-Romania- Journal of Optoelectronics and Advanced Materials– ISSN 1937 – 7375
8. Cotfas, D., Cotfas, P., Borza, P., Ursutiu, D., Samoila, C. **"WIRELESS SYSTEM FOR MONITORING THE SOLAR RADIATION"** Rev.Environmental Engineering and Management Journal-Aug.**2011**, Vol.10, No.8 –pp.1133 – 1137, ISSN-1582-9596;
9. Olaru, I., Almasan, V., Samoila, C., Ursutiu, D., Cotfas, P., Cotfas, D. **"THE CHARACTERIZATION OF THE CATALYTIC MATERIALS USING THE KINETIC TRANSIENT STAGE"** Rev. Metalurgia International Vo.XVI No.4-**2011**, pp.49 – 52, ISSN 1582-2214;

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11. Vizureanu ,P., Samoilă, C., Cotfas, D., ***“MATERIALS PROCESSING USING SOLAR ENERGY”*** Revista: “Environmental Engineering and Management Journal”, March/April **2009**, Vol.8, No.2, 301-306, **ISSN-1582-9506**;
12. Cotfas, P., Samoila, C., Ursutiu, D., Cotfas, D.: ***“DECARBURIZATION STUDY FOR BEARING STEEL USING BARKHAUSEN NOISE”*** Revista “Metalurgia International”- Vol.XIV-nr.9/**2009**-pp. 50 – 54-**ISSN-1582-2214**;
13. Samoila C., Ursutiu D., Moisa S.”***TiC BASED FUNCTIONALLY GRADED MATERIALS BY HYBRID POWDER METALLURGY”***- pp5-10 Revista “Metalurgia International”-Special Issue-July **2008**-**ISSN-1582-2214**;
14. Vizureanu P.,Samoila C. ***“THE ANALYSIS OF HEATING PROCESS IN SOLAR FURNACES”***- Revista “Metalurgia International”-nr.2/**2008**-**ISSN-1582-2214**;
15. Bedo T., Samoila C. ***“EXPERIMENTAL RESEARCH ON THE BEHAVIOUR OF REFRACTORY CONCRETES WITH SILICON CARBIDE AGGREGATE IN CONTROLLED ATMOSPHERE”*** Revista “Metalurgia International”-vol XIII (**2008**) nr. 10 pp20-24-**ISSN-1582-2214**;
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18. Ursutiu, D., Samoila, C., Moga, M., Jinga, V., ***“ NEW HARDWARE (BETA TESTING)WITH POTENTIAL TO BE USED IN MEDICAL CARE USING WIRELESS TECHNOLOGY AND VIRTUAL INSTRUMENTATION”*** in Applied Mecanicas and Materials vol.656, (2014) pp.606-614, Monitoring, Controlling and Architecture of Cyber=Physical Systems, Trans Tech.Publications, Editor Adrian Olaru, ISI Proceedings I.F.= 0,
19. Mateescu, A.O., Mateescu, G., Craciun, L., Ionescu, C., Samoila, D. Ursutiu, D. Munteanu, D. Cristea, V. Jinga -***“MECHANICAL AND TRIBOLOGICAL BEHAVIOUR OF THE MULTILAYER DRY LUBRICANT COATINGS WITH TERNARY COMPOSITION FROM COMPOUND MATERIALS (TiCN; TiB₂/ TiCN; WC/ WCN)”*** - article presented at International Balcanic Workshop on Applied Physics (IBWAP)- Constanta, 2-4 July 2014 ISI Proceedings-F.I. =0
20. Mateescu, A.O., Mateescu, G., Samoilă, C., Ursuțiu, D., Munteanu, D., Cristea, D., V. Jinga ***“TRIBOLOGICAL TESTS FOR NANOSTRUCTURED DRY LUBRICANT MULTILAYER COATINGS”*** ROCAM-2014 5th International on Matyerials Science and Technology, 15 – 17 Oct. 2014-Bucharest, ISI Proceedings F.I. = 0;
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- 23. Cotfas, P., Cotfas, D., Ramona, O., Ursutiu, D., Samoila, C. “TEMPERATURE MONITORING AND CONTROL WITH CLOUD INSTRUMENTATION” Euromedia’2012 “Seventeenth Annual Scientific Conference on WEB Technology, New Media, Communications and Telematics Theory, Methods, Tools and Application” april 18 – 20, 2012-Bucharest, EUROSIS-ETI Publication-ISI Thompson and IET referenced- ISBN : 978-90-77381-69-4, EAN 978 – 90-77381-69-4;**
- 24. Vizureanu,P.,Samoila,C.,Achitei,D.C.,Perju,M.C.,Stefanica,R.G.“INTERDISCIPLINARY RESEARCHES OF THE POTENTIAL LIMITS FOR THE SOLAR ENERGY ON HEATING-MELTING RANGE”-4th \international Conference Modern Technology, Quality andInnovation, ModTech 2010-20-22 May-Slanic Moldova-Romania, ISI-Web of Knowledge, IDS Number BRF 28-ISSN 2066-3919**
- 25. Jinga,V., Oros,R., Samoila,C., Ursutiu,D. –“ MATHEMATIC MODEL OF HEAT TRANSFER IN THE PULSE SENSOR”- ISI-Proceedings of Anals of DAAAM-2011- ISSN 1726-9679 pp.1259 – 1261; Editor B.Katalinic;**
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- 27. Barb,R.,Oros,R.,Ursutiu,D.,Samoila,C.-“DESIGNING A NEW SYSTEM BASED ON NI-ELVIS FOR HALL CONSTANT MEASUREMENT” 20th DAMM International Symposium “Intelligent manufacturing &Automation:Focus Theory,Practice and Education 25-28th November 2009, Vienna, Austria,Vol.20, pp 963-965-ISSN-1726-9679;**
- 28. D. T. Cotfas, S. Kaplanis, P. A. Cotfas, D. Ursutiu, C. Samoila, “A NEW ALBEDOMETER BASED ON SOLAR CELLS,” In: Proc. World Renewable Energy Congress X. Glasgow, July 19–25, Editor A. Sayigh, 2008.**
- 29. Lupulescu N.,Samoila C.,Cotfas P. “E-LEARNING METHODOLOGY IN TAXONOMY”In Proceedings-ul ISI al 4th Balkan Region Conference on Engineering Education &MSE” pp74-79, 12-14 July 2007 Sibiu, Romania, cod ISI – IT W IH.**