

## Costica BEJINARIU

<https://www.webofscience.com/wos/author/rid/M-4148-2013>

Web of Science ResearcherID: [M-4148-2013](#)

Current affiliation:

- "Gheorghe Asachi" Technical University of Iasi, Romania from 1989

### Publication Metrics

For manuscripts published from date range April 1989 - April 2024

**20**

H-index

**138**

Total Publications

**811**

Sum of Times Cited

**100**

Web of Science Core Collection Publications

For all time

**20**

H-index

**149**

Total Publications

**811**

Sum of Times Cited

**100**

Web of Science Core Collection Publications

### Publishing Summary

For manuscripts published from date range April 1989 - April 2024

(21) IOP Conference Series: Material...	(18) Revista de Chimie
(11) Applied Mechanics and Materials	(8) MATEC Web of Conferences
(8) Industrial Applications of Green ...	(7) Quality - Access to Success
(5) Coatings	(5) Materials
(4) Advanced Materials Research	(4) Materiale Plastice
(4) Archives of Metallurgy and Mater...	(4) Key Engineering Materials
(3) Sustainability	(3) Journal of Physics: Conference S...
(3) Journal of Computational and Th...	(2) Journal of Optoelectronics and A...

(2) AIP Conference Proceedings	(2) Applied Sciences
(2) MODTECH 2011: NEW FACE OF T...	(2) Environmental Engineering and ...
(2) Materials Today: Proceedings	(2) Materials Science Forum
(1) UPB Scientific Bulletin, Series A: ...	(1) Risk Minimization By Experiment...
(1) Surface and Coatings Technology	(1) International Journal of Nonlinea...
(1) EUROMAT 97 - PROCEEDINGS OF ...	(1) Euromat 97 - Proceedings of the ...
(1) EUROINVENT ICIR	(1) Surface Engineering and Applied...
(1) Microscopy Research and Techni...	(1) Japanese Journal of Applied Phys...
(1) Powder Technology	(1) Nanomaterials
(1) Welding - Modern Topics	(1) Acta Universitatis Cibiniensis. Tec...
(1) INTERNATIONAL CONFERENCE O...	(1) Journal of Applied Mathematics

## Publications

For manuscripts published from date range April 1989 - April 2024 (138)

Times Cited  
(All time)

Microstructural and Mechanical Properties Analysis of Phosphate Layers Deposited on Steel Rebars for Civil Constructions

0

Authors (11): Lazar, Petru; Cimpoesu, Nicanor ... Bejinariu, Costica

Published: Feb 2024 in Coatings

DOI: 10.3390/COATINGS14020182

Web of Science accession number: WOS:001172369600001

Ca-Zn Phosphate Conversion Coatings Deposited on Ti6Al4V for Medical Applications

0

Authors (6): Burduhos-Nergis, Diana-Petronela; Cimpoesu, Nicanor ...

Bejinariu, Costica

Published: Jun 2023 in Coatings

DOI: 10.3390/COATINGS13061029

Web of Science accession number: WOS:001017029700001

Considerations Regarding the Application of the Occupational Injury and Illness Risk Assessment Method at Workplaces/Workstations, in Relation to the ISO 45001 Standard

0

Authors (5): Bejinariu, Costica; Darabont, Doru-Costin ... Chiriac-Moruzzi, Cristiana

Published: Feb 2023 in Sustainability

DOI: 10.3390/SU15032121

Web of Science accession number: WOS:000930875800001

<p><b>CONSTITUTIVE MATERIAL LAWS IN THE MULTIFRACTAL THEORY OF MOTION (PART I)</b></p> <p>Authors (10): Rotundu, Ana; Agop, Stefana ... Paun, Viorel-Puiu  Published: 2023 in UPB Scientific Bulletin, Series A: Applied Mathematics and Physics  Web of Science accession number: WOS:001133100100001</p>	0
<p><b>XRD and STA Characterization of Phosphate Layers Deposited on the Carbon Steel Surface</b></p> <p>Authors (5): Burduhos-Nergis, D. -P.; Bejinariu, C. ... Vizureanu, P.  Published: 2023 in Archives of Metallurgy and Materials  DOI: 10.24425/AMM.2023.145459  Web of Science accession number: WOS:001106664500006</p>	0
<p><b>PHOSPHATE CONVERSION COATING - A SHORT REVIEW</b></p> <p>Authors (5): Burduhos-Nergis, D. -P.; Sandu, A. V. ... Bejinariu, C.  Published: 2023 in Archives of Metallurgy and Materials  DOI: 10.24425/AMM.2023.145471  Web of Science accession number: WOS:001106664500019</p>	1
<p><b>Structural and mechanical characterization of as-cast CuAlBe alloy</b></p> <p>Authors (8): Romeo Gabriel CHELARIU; Marcelin BENCHEA ... Costică BEJINARIU  Published: 2023 in Materials Today: Proceedings  DOI: 10.1016/J.MATPR.2022.10.106</p>	<div style="border: 1px solid black; background-color: #333; color: white; padding: 5px; display: inline-block;">Not indexed in the Web of Science</div>
<p><b>Microstructural, Corrosion Resistance, and Tribological Properties of Al<sub>2</sub>O<sub>3</sub> Coatings Prepared by Atmospheric Plasma Spraying</b></p> <p>Authors (10): Bejinariu, Costica; Paleu, Viorel ... Cimpoesu, Nicanor  Published: Dec 2022 in Materials  DOI: 10.3390/MA15249013  Web of Science accession number: WOS:000906867300001</p>	2
<p><b>Convective Heat Transfer in Magneto-Hydrodynamic Carreau Fluid with Temperature Dependent Viscosity and Thermal Conductivity</b></p> <p>Authors (8): Shah, Syed Amir Ghazi Ali; Hassan, Ali ... Bejinariu, Costica  Published: Nov 2022 in Nanomaterials  DOI: 10.3390/NANO12224084  Web of Science accession number: WOS:000887621900001</p>	3
<p><b>Mechanical Behavior of Crushed Waste Glass as Replacement of Aggregates</b></p> <p>Authors (8): Celik, Ali Ihsan; Ozkilic, Yasin Onuralp ... Bejinariu, Costica  Published: Nov 2022 in Materials  DOI: 10.3390/MA15228093  Web of Science accession number: WOS:000887381300001</p>	65

<p>Analysis of the Physical-Mechanical Properties of the Zinc Phosphate Layer Deposited on a Nodular Cast Iron Substrate</p> <p>Authors (5): Nejneru, Carmen; Burduhos-Nergis, Diana-Petronela ... Bejinariu, Costica</p> <p>Published: Oct 2022 in Coatings</p> <p>DOI: 10.3390/COATINGS12101384</p> <p>Web of Science accession number: WOS:000872654800001</p>	1
<p>Corrosion Behaviour of Nodular Cast Iron Used for Rotor Manufacturing in Different Wastewaters</p> <p>Authors (5): Nejneru, Carmen; Burduhos-Nergis, Diana-Petronela ... Bejinariu, Costica</p> <p>Published: Jul 2022 in Coatings</p> <p>DOI: 10.3390/COATINGS12070911</p> <p>Web of Science accession number: WOS:000831664600001</p>	2
<p>XRD and TG-DTA Study of New Phosphate-Based Geopolymers with Coal Ash or Metakaolin as Aluminosilicate Source and Mine Tailings Addition</p> <p>Authors (5): Burduhos Nergis, Dumitru Doru; Vizureanu, Petrica ... Bejinariu, Costica</p> <p>Published: Jan 2022 in Materials</p> <p>DOI: 10.3390/MA15010202</p> <p>Web of Science accession number: WOS:000751038100001</p>	28
<p>OBTAINING AND ANALYSIS OF A NEW ALUMINIUM BRONZE MATERIAL USING INDUCTION FURNACE</p> <p>Authors (6): Chelariu, R. G.; Cimpoesu, N. ... Bejinariu, C.</p> <p>Published: 2022 in Archives of Metallurgy and Materials</p> <p>DOI: 10.24425/AMM.2022.141049</p> <p>Web of Science accession number: WOS:000890623500007</p>	0
<p>COMPARATIVE ROLLING CONTACT BEHAVIOR OF TWO APS COATINGS WITH DIFFERENT MATRIX</p> <p>Authors (4): Chicet, D.; Toma, S. ... Bejinariu, C.</p> <p>Published: 2022 in Archives of Metallurgy and Materials</p> <p>DOI: 10.24425/AMM.2022.139677</p> <p>Web of Science accession number: WOS:000849223500008</p>	1
<p>Galvanic Corrosion Behaviour of Different Types of Coatings Used in Safety Systems Manufacturing</p> <p>Authors (3): Burduhos-Nergis, Diana-Petronela; Burduhos-Nergis, Dumitru-Doru; Bejinariu, Costica</p> <p>Published: Dec 2021 in Coatings</p> <p>DOI: 10.3390/COATINGS11121542</p> <p>Web of Science accession number: WOS:000736371900001</p>	6

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Phosphate Coatings: EIS and SEM Applied to Evaluate the Corrosion Behavior of Steel in Fire Extinguishing Solution

8

Authors (5): Burduhos-Nergis, Diana-Petronela; Vasilescu, Gabriel Dragos ... Bejinariu, Costica

Published: Sep 2021 in Applied Sciences

DOI: 10.3390/APP11177802

Web of Science accession number: WOS:000694140300001

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Phosphating Depositions for Equipment's Used in Explosive Atmospheres

Authors (6): Diana-Petronela Burduhos-Nergis; Adrian-Marius Jurca ... Costica Bejinariu

Published: Aug 2021 in MATEC Web of Conferences

DOI: 10.1051/MATECCONF/202134310011

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Not indexed in  
the Web of  
Science

Analysis of non-sparking metallic materials for potentially explosive atmospheres

Authors (6): Romeo Gabriel Chelariu; Costica Bejinariu ... Nicanor Cimpoesu

Published: Aug 2021 in MATEC Web of Conferences

DOI: 10.1051/MATECCONF/202134310014

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Not indexed in  
the Web of  
Science

The influence of economic factors in the management of health and safety specific to SMEs

Authors (4): Gabriela Caldarescu; George Daniel Tanasievici ... Mihai-Adrian Bernevig

Published: Jul 2021 in MATEC Web of Conferences

DOI: 10.1051/MATECCONF/202134201019

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Not indexed in  
the Web of  
Science

Automotive Brake Disc Materials

Authors (4): Costel FLOREA; Costica BEJINARIU ... Ramona CIMPOESU

Published: Jul 2021 in Industrial Applications of Green Solvents, Vol I

DOI: 10.21741/9781644901458

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Not indexed in  
the Web of  
Science

Phosphate coatings for the protection of steels reinforcement for concrete

Authors (6): P Lazar; C Bejinariu ... D P Burduhos-Nergis

Published: Jun 2021 in Journal of Physics: Conference Series

DOI: 10.1088/1742-6596/1960/1/012013

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Not indexed in  
the Web of  
Science

Protection against mechanical risks provided by gloves used by firefighters in intervention actions

Authors (7): C Arvinte; L Hristian ... C Bejinariu

Published: Jun 2021 in Journal of Physics: Conference Series

DOI: 10.1088/1742-6596/1960/1/012016

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Not indexed in  
the Web of  
Science

Phosphate Coatings Suitable for Personal Protective Equipment

Published: Feb 2021 in Industrial Applications of Green Solvents, Vol I

DOI: 10.21741/9781644901113

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Not indexed in  
the Web of  
Science

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Methodology for Assessing the Degree of Occupational Safety Specific to Hydrotechnical Construction Activities, in Order to Increase Their Sustainability 1  
Authors (8): Vasilescu, Gabriel Dragos; Petrilean, Codrut Dan ... Bejinariu, Costica  
Published: Feb 2021 in Sustainability  
DOI: 10.3390/SU13031105  
Web of Science accession number: WOS:000615650700001

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Hard Alloys with High Content of WC and TiC—Deposited by Arc Spraying Process  
Authors (5): Stefan Lucian Toma; Radu Armand Haraga ... Costica Bejinariu  
Published: Jan 2021 in Welding - Modern Topics  
DOI: 10.5772/INTECHOPEN.94605

Not indexed in  
the Web of  
Science

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Immersion Behavior of Carbon Steel, Phosphate Carbon Steel and Phosphate and Painted Carbon Steel in Saltwater 15  
Authors (3): Bejinariu, Costica; Burduhos-Nergis, Diana-Petronela; Cimpoesu, Nicanor  
Published: Jan 2021 in Materials  
DOI: 10.3390/MA14010188  
Web of Science accession number: WOS:000606063000001

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Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing 23  
Authors (4): Burduhos-Nergis, Diana-Petronela; Vizureanu, Petrica ... Bejinariu, Costica  
Published: Aug 2020 in Materials  
DOI: 10.3390/MA13153410  
Web of Science accession number: WOS:000559047800001

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Characterization of Zinc and Manganese Phosphate Layers Deposited on the Carbon Steel Surface  
Authors (5): D P Burduhos-Nergis; A M Cazac ... C Bejinariu  
Published: Jul 2020 in IOP Conference Series: Materials Science and Engineering  
DOI: 10.1088/1757-899X/877/1/012012

Not indexed in  
the Web of  
Science

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Influence of the Stand-off Distance and of the Layers Thickness on the Adhesion and Porosity of the 97MXC Deposits Obtained by Arc Spraying Process  
Authors (5): R A Haraga; D L Chicet ... C Bejinariu  
Published: Jun 2020 in IOP Conference Series: Materials Science and Engineering  
DOI: 10.1088/1757-899X/877/1/012020

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Science

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Evaluation of the Corrosion Resistance of Phosphate Coatings Deposited on the Surface of the Carbon Steel Used for Carabiners Manufacturing  
Authors (4): Burduhos-Nergis, Diana-Petronela; Vizureanu, Petrica ... Bejinariu, Costica  
Published: Apr 2020 in Applied Sciences  
DOI: 10.3390/APP10082753  
Web of Science accession number: WOS:000533352100117

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Carbon steel carabiners improvements for use in potentially explosive atmospheres  
Authors (5): Diana-Petronela Burduhos-Nergis; Costica Bejinariu ... Elena-Raluca Baci  
Published: Jan 2020 in MATEC Web of Conferences  
DOI: 10.1051/MATECCONF/202030500015

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Not indexed in  
the Web of  
Science

Why do the psycho-social conditions in the field of mining require changes to occupational health and safety legislation?  
Authors (5): Andrei-George Albulescu; Costică Bejinariu ... Mihai-Adrian Bernevig-Sava  
Published: Jan 2020 in MATEC Web of Conferences  
DOI: 10.1051/MATECCONF/202030500091

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Not indexed in  
the Web of  
Science

MEVA - a new method of occupational health and safety risk assessment  
Authors (8): Darabont, Doru-Costin; Smidu, Eduard ... Bernevig-Sava, Mihai-Adrian  
Published: Aug 2019 in MATEC Web of Conferences  
DOI: 10.1051/MATECCONF/201929012008  
Web of Science accession number: WOS:000569367700137

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Shock Resistance Improvement of Carbon Steel Carabiners Used at PPE  
Authors (6): Burduhos-Nergis, Diana-Petronela; Sandu, Andrei-Victor ... Bejinariu, Costica  
Published: Aug 2019 in MATEC Web of Conferences  
DOI: 10.1051/MATECCONF/201929012004  
Web of Science accession number: WOS:000569367700133

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6

Technical requirements and materials used in firefighters gloves manufacturing  
Authors (5): C Arvinte; A V Sandu ... C Bejinariu  
Published: Jul 2019 in IOP Conference Series: Materials Science and Engineering  
DOI: 10.1088/1757-899X/572/1/012070

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Not indexed in  
the Web of  
Science

Materials types and selection for carabiners manufacturing: a review  
Authors (5): D P Burduhos-Nergis; C Baci ... C Bejinariu  
Published: Jul 2019 in IOP Conference Series: Materials Science and Engineering  
DOI: 10.1088/1757-899X/572/1/012027

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Not indexed in  
the Web of  
Science

<p>Influence of surface roughness and current intensity on the adhesion of high alloyed steel deposits - obtained by thermal spraying in electric arc          Authors (6): R A Haraga; C Bejinariu ... S L Toma          Published: Jul 2019 in IOP Conference Series: Materials Science and Engineering          DOI: 10.1088/1757-899X/572/1/012056</p>	<p>Not indexed in the Web of Science</p>
<p>Influence of process parameters for Selective Laser Melting on the roughness of 3D printed surfaces in Co-Cr dental alloy powder          Authors (7): A M Baciuc; C Bejinariu ... E R Baciuc          Published: Jul 2019 in IOP Conference Series: Materials Science and Engineering          DOI: 10.1088/1757-899X/572/1/012054</p>	<p>Not indexed in the Web of Science</p>
<p>Electrical and thermal characteristics of nitinol wires for linear heat detectors          Authors (6): C A Micu; P Ciubotariu-Ana ... C Bejinariu          Published: Jul 2019 in IOP Conference Series: Materials Science and Engineering          DOI: 10.1088/1757-899X/572/1/012072</p>	<p>Not indexed in the Web of Science</p>
<p>Studies on galvanic corrosion of metallic materials in marine medium          Authors (6): C Nejnaru; C Savin ... C Bejinariu          Published: Jul 2019 in IOP Conference Series: Materials Science and Engineering          DOI: 10.1088/1757-899X/572/1/012106</p>	<p>Not indexed in the Web of Science</p>
<p>Investigations of thermal degradation and electrical properties of polyamide materials versus polybismaleimide materials for fire-fighters helmets          Authors (5): P Ciubotariu-Ana; N-M Lohan ... C Bejinariu          Published: Jul 2019 in IOP Conference Series: Materials Science and Engineering          DOI: 10.1088/1757-899X/572/1/012031</p>	<p>Not indexed in the Web of Science</p>
<p>Galvanic Corrosion of Ductile Cast Iron Coupled with Different Alloys in Synthetic Domestic Waste Water          Authors (6): Savin, Cristian; Nejnaru, Carmen ... Sandu, Andrei Victor          Published: Feb 2019 in Revista de Chimie          DOI: 10.37358/RC.19.2.6945          Web of Science accession number: WOS:000461982200030</p>	<p>3</p>
<p>Modern approaches in integrated management systems of quality, environmental and occupational health and safety          Authors (4): Darabont, Doru-Costin; Bejinariu, Costica ... Bernevig-Sava, Mihai-Adrian          Published: Jan 2019 in Quality - Access to Success          Web of Science accession number: WOS:000459686300018</p>	<p>4</p>

<p>The Galvanic Corrosion Behavior of Phosphated Carbon Steel Used at Carabiners Manufacturing</p> <p>Authors (7): Burduhos-Nergis, Diana Petronela; Nejneru, Carmen ... Bejinariu, Costica</p> <p>Published: Jan 2019 in Revista de Chimie</p> <p>DOI: 10.37358/RC.19.1.6885</p> <p>Web of Science accession number: WOS:000460428100047</p>	4
<p>Selection and verification of personal protective equipment in the context of current legal requirements</p> <p>Authors (5): Bernevig-Sava, Mihai-Adrian; Darabont, Doru Costin ... Bejinariu, Costica</p> <p>Published: Jan 2019 in Quality - Access to Success</p> <p>Web of Science accession number: WOS:000459686300019</p>	5
<p>Analysis of Chemically Deposited Phosphate Layer on the Carabiners Steel Surface Used at Personal Protective Equipments</p> <p>Authors (7): Burduhos-Nergis, Diana-Petronela; Nejneru, Carmen ... Bejinariu, Costica</p> <p>Published: Jan 2019 in Quality - Access to Success</p> <p>Web of Science accession number: WOS:000459686300013</p>	3
<p>Study on the anticorrosive phosphated steel carabiners used at personal protective equipment</p> <p>Authors (7): Bejinariu, Costica; Burduhos-Nergis, Diana-Petronela ... Baciu, Constantin</p> <p>Published: Jan 2019 in Quality - Access to Success</p> <p>Web of Science accession number: WOS:000459686300012</p>	8
<p>Occupational safety and health audit between theory, legal requirements and practice</p> <p>Authors (5): Baciu, Constantin; Bejinariu, Costica ... Bernevig-Sava, Mihai-Adrian</p> <p>Published: Jan 2019 in Quality - Access to Success</p> <p>Web of Science accession number: WOS:000459686300020</p>	2
<p>Tribological characterization of phosphate conversion coating and rubber paint coating deposited on carbon steel carabiners surfaces</p> <p>Authors (5): Nergis, Diana Petronela Burduhos; Cimpoesu, Nicanor ... Bejinariu, Costica</p> <p>Published: 2019 in Materials Today: Proceedings</p> <p>DOI: 10.1016/J.MATPR.2019.08.009</p> <p>Web of Science accession number: WOS:000496428200010</p>	8
<p>Analysis of Contact Angle for Metallic Materials in Wastewater Pumps</p> <p>Authors (6): Savin, Cristian; Nejneru, Carmen ... Bejinariu, Costica</p> <p>Published: 2019 in Revista de Chimie</p> <p>Web of Science accession number: WOS:000489685600022</p>	2

Galvanic Corrosion Behaviour of Phosphate Nodular Cast Iron in Different Types of Residual Waters and Couplings Authors (5): Nejneru, Carmen; Perju, Manuela Cristina ... Bejinariu, Costica Published: 2019 in Revista de Chimie Web of Science accession number: WOS:000500795900031	5
Electro-chemical Corrosion of a Cast Iron Protected with a Al <sub>2</sub> O <sub>3</sub> Ceramic Layer Authors (7): Bejinariu, Costica; Munteanu, Corneliu ... Sandu, Andrei Victor Published: Dec 2018 in Revista de Chimie Web of Science accession number: WOS:000458533800054	6
CONSIDERATIONS ON IMPROVING OCCUPATIONAL HEALTH AND SAFETY PERFORMANCE IN COMPANIES USING ISO 45001 STANDARD Authors (6): Darabont, Doru Costin; Bejinariu, Costica ... Baci, Elena-Raluca Published: Nov 2018 in Environmental Engineering and Management Journal DOI: 10.30638/EEMJ.2018.270 Web of Science accession number: WOS:000455236000021	10
Influence of nanostructuration on the sound velocity in copper Cu <sub>99.75</sub> Authors (6): Cazac, A. M.; Alexandru, A. ... Bejinariu, C. Published: Sep 2018 in IOP Conference Series: Materials Science and Engineering DOI: 10.1088/1757-899X/400/7/072002 Web of Science accession number: WOS:000461147400176	0
Monitoring the Anthropogenic Toxicity of Spontaneous Flora in Neamt County through Studies of the Honey Bee Chemical Characteristics Authors (5): Bodescu, Dan; Ungureanu, George ... Bejinariu, Costica Published: Aug 2018 in Revista de Chimie DOI: 10.37358/RC.18.8.6490 Web of Science accession number: WOS:000444602300044	5
Influence of Nanostructuration on the Sound Velocity in Aluminum Al <sub>99.50</sub> Authors (5): Cazac, A. M.; Alexandru, A. ... Bejinariu, C. Published: Jun 2018 in EUROINVENT ICIR DOI: 10.1088/1757-899X/374/1/012038 Web of Science accession number: WOS:000446775900038	0
Corrosion Resistance of a Cast-Iron Material Coated With a Ceramic Layer Using Thermal Spray Method Authors (7): Florea, C. D.; Bejinariu, C. ... Cimpoesu, R. Published: Jun 2018 in IOP Conference Series: Materials Science and Engineering DOI: 10.1088/1757-899X/374/1/012028 Web of Science accession number: WOS:000446775900028	0

<p><b>Researches on the Improvement of the Bioactivity of TiO<sub>2</sub> Deposits, Obtained by Magnetron Sputtering - DC</b></p> <p>Authors (8): Toma, B. F.; Baci, R. E. ... Timofte, D.  Published: Jun 2018 in IOP Conference Series: Materials Science and Engineering  DOI: 10.1088/1757-899X/374/1/012017  Web of Science accession number: WOS:000446775900017</p>	1
<p><b>Structural Analysis of Carabiners Materials Used at Personal Protective Equipments</b></p> <p>Authors (5): Burduhos-Nergis, D. P.; Nejneru, C. ... Bejinariu, C.  Published: Jun 2018 in IOP Conference Series: Materials Science and Engineering  DOI: 10.1088/1757-899X/374/1/012040  Web of Science accession number: WOS:000446775900040</p>	6
<p><b>Thermal Analysis of a New Glass Fiber-Reinforced Bismaleimide Composite Material Used for Firefighter Helmets</b></p> <p>Authors (6): Ciubotariu-Ana, P.; Micu, C. A. ... Bejinariu, C.  Published: Jun 2018 in IOP Conference Series: Materials Science and Engineering  DOI: 10.1088/1757-899X/374/1/012022  Web of Science accession number: WOS:000446775900022</p>	0
<p><b>Assessment of Hard Thin Layers Deposited by Plasma Spray on Hydroboration</b></p> <p>Authors (8): Tugui, C. A.; Vizureanu, P. ... Benchea, M.  Published: Jun 2018 in IOP Conference Series: Materials Science and Engineering  DOI: 10.1088/1757-899X/374/1/012029  Web of Science accession number: WOS:000446775900029</p>	0
<p><b>Aspects Regarding Instantaneous Corrosion of Nodular Iron in Household Wastewater</b></p> <p>Authors (6): Perju, M. C.; Savin, C. ... Bejinariu, C.  Published: Jun 2018 in IOP Conference Series: Materials Science and Engineering  DOI: 10.1088/1757-899X/374/1/012016  Web of Science accession number: WOS:000446775900016</p>	1
<p><b>Influence of Selective Laser Melting Processing Parameters of Co-Cr-W Powders on the Roughness of Exterior Surfaces</b></p> <p>Authors (6): Baci, M. A.; Baci, E. R. ... Baci, C.  Published: Jun 2018 in IOP Conference Series: Materials Science and Engineering  DOI: 10.1088/1757-899X/374/1/012010  Web of Science accession number: WOS:000446775900010</p>	3

Correlations Between Severe Plastic Deformations Processes and Acoustic Propagation Phenomena by Means of Fractal Analysis. Consequences on Biological Structures Dynamics

Authors (13): Costica Bejinariu; Alin Marian Cazac ... Gabriela Jimborean

Published: Mar 2018 in Journal of Computational and Theoretical Nanoscience

DOI: 10.1166/JCTN.2018.7174

Not indexed in  
the Web of  
Science

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Characterization of Thin Phosphate Films

1

Authors (4): Sandu, Andrei Victor; Bejinariu, Costica ... Abdullah, Mohd Mustafa Al Bakri

Published: 2018 in Industrial Applications of Green Solvents, Vol I

Web of Science accession number: WOS:000452924600005

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Known Phosphating Technologies

0

Authors (4): Sandu, Andrei Victor; Bejinariu, Costica ... Abdullah, Mohd Mustafa Al Bakri

Published: 2018 in Industrial Applications of Green Solvents, Vol I

Web of Science accession number: WOS:000452924600001

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Modern Procedures for the Creation of Thin Anticorrosive Lubricating Phosphate Films by Addition and Subtraction

0

Authors (4): Sandu, Andrei Victor; Bejinariu, Costica ... Abdullah, Mohd Mustafa Al Bakri

Published: 2018 in Industrial Applications of Green Solvents, Vol I

Web of Science accession number: WOS:000452924600003

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Modern Technologies of Thin Films Deposition: Chemical Phosphatation

0

Authors (4): Sandu, AV; Bejinariu, C ... Abdullah, MMA

Published: 2018 in Industrial Applications of Green Solvents, Vol I

Web of Science accession number: WOS:000452924600006

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Thin Phosphate Film Characterization Methods and Techniques

1

Authors (4): Sandu, Andrei Victor; Bejinariu, Costica ... Abdullah, Mohd Mustafa Al Bakri

Published: 2018 in Industrial Applications of Green Solvents, Vol I

Web of Science accession number: WOS:000452924600004

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Creation of Thin Phosphate Films in the Laboratory

0

Authors (4): Sandu, Andrei Victor; Bejinariu, Costica ... Abdullah, Mohd Mustafa Al Bakri

Published: 2018 in Industrial Applications of Green Solvents, Vol I

Web of Science accession number: WOS:000452924600002

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Characterization of Advanced Ceramic Materials Thin Films Deposited on Fe-C Substrate

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Authors (6): Florea, Costel Dorel; Munteanu, Corneliu ... Bejinariu, Costica

Published: Dec 2017 in Revista de Chimie

DOI: 10.37358/RC.17.11.5933

Web of Science accession number: WOS:000416751800024

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<p><b>Solid Waste Management on Romanian Households</b></p> <p>Authors (8): Ungureanu, George; Ignat, Gabriela ... Bejinariu, Costica  Published: Dec 2017 in Revista de Chimie  Web of Science accession number: WOS:000423261900045</p>	8
<p><b>Management of Maceration-Fermentation Technologies Regarding the Antioxidant Profiles of Some Wines from Iasi Vineyard</b></p> <p>Authors (8): Ignat, Gabriela; Colibaba, Cintia ... Bejinariu, Costica  Published: Dec 2017 in Revista de Chimie  DOI: 10.37358/RC.17.12.6007  Web of Science accession number: WOS:000423261900040</p>	1
<p><b>Experimental Analysis of Resistance to Electrocorosion of a High Chromium Cast Iron with Applications in the Vehicle Industry</b></p> <p>Authors (6): Florea, Costel Dorel; Carcea, Ioan ... Bejinariu, Costica  Published: Nov 2017 in Revista de Chimie  DOI: 10.37358/RC.17.10.5893  Web of Science accession number: WOS:000416750000038</p>	10
<p><b>Effect of Climate Change on Pedological Modifications and Soil Aridity Process in Vineyards</b></p> <p>Authors (7): Ungureanu, George; Boghita, Eduard ... Vintu, Catalin Razvan  Published: Nov 2017 in Revista de Chimie  DOI: 10.37358/RC.17.11.5950  Web of Science accession number: WOS:000416751800041</p>	3
<p><b>Good Management Practices in Managing the Most Important Factors to Ensure Durable Soil Quality</b></p> <p>Authors (7): Ungureanu, George; Ignat, Gabriela ... Bejinariu, Costica  Published: Oct 2017 in Revista de Chimie  Web of Science accession number: WOS:000416750000029</p>	0
<p><b>Studies Regarding the Efficiency of Grape Tannins Greening Plastics</b></p> <p>Authors (7): Ignat, Gabriela; Colibaba, Cintia ... Bejinariu, Costica  Published: Sep 2017 in Materiale Plastice  Web of Science accession number: WOS:000426412300042</p>	6
<p><b>Adhesion Characterisation of Complex Ceramics Thin Layers Deposited on Metallic Substrate</b></p> <p>Authors (6): Costel Florea; Costică Bejinariu ... Ramona Cimpoeşu  Published: Sep 2017 in Materials Science Forum  DOI: 10.4028/WWW.SCIENTIFIC.NET/MSF.907.126</p>	<div style="border: 1px solid black; background-color: #444; color: white; padding: 5px; text-align: center;"> Not indexed in  the Web of  Science </div>
<p><b>Key elements on implementing an occupational health and safety management system using ISO 45001 standard</b></p> <p>Authors (3): Darabont, Doru Costin; Antonov, Anca Elena; Bejinariu, Costica  Published: Aug 2017 in MATEC Web of Conferences  DOI: 10.1051/MATECCONF/201712111007  Web of Science accession number: WOS:000435283800126</p>	26

<p><b>Biochemical Effects of Some Tyrosine Kinase Inhibitors on Pro-B Cells-Induced Apoptosis</b></p> <p>Authors (8): Gentimir, Carmen; Tatarciuc, Diana ... Costuleanu, Marcel  Published: Aug 2017 in Revista de Chimie  Web of Science accession number: WOS:000410388000039</p>	9
<p><b>Considerations on Applying the Method for Assessing the Level of Safety at Work</b></p> <p>Authors (6): Bejinariu, Costica; Darabont, Doru-Costin ... Baci, Constantin  Published: Jul 2017 in Sustainability  DOI: 10.3390/SU9071263  Web of Science accession number: WOS:000406709500190</p>	20
<p><b>Influence of the Process Parameters on the Properties of Diamax Deposits Obtained by Flame Thermal Spray</b></p> <p>Authors (7): Baci, M. A.; Nanu, C. ... Toma, S. L.  Published: Jun 2017 in IOP Conference Series: Materials Science and Engineering  DOI: 10.1088/1757-899X/209/1/012072  Web of Science accession number: WOS:000423732100072</p>	0
<p><b>Obtaining of High Cr Content Cast Iron Materials</b></p> <p>Authors (6): Florea, C.; Bejinariu, C. ... Savin, C.  Published: Jun 2017 in IOP Conference Series: Materials Science and Engineering  DOI: 10.1088/1757-899X/209/1/012046  Web of Science accession number: WOS:000423732100046</p>	0
<p><b>Corrosion Evaluation of Some Phosphated Thin Layers on Reinforcing Steel</b></p> <p>Authors (7): Lazar, P.; Bejinariu, C. ... Perju, M. C.  Published: Jun 2017 in IOP Conference Series: Materials Science and Engineering  DOI: 10.1088/1757-899X/209/1/012025  Web of Science accession number: WOS:000423732100025</p>	8
<p><b>Morphological Analysis (SEM) of the Surface of a Non-Noble Dental Alloy Subjected to Electrocorrosion</b></p> <p>Authors (7): Baci, E. R.; Gradinaru, I. ... Bejinariu, C.  Published: Jun 2017 in INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT  DOI: 10.1088/1757-899X/209/1/012032  Web of Science accession number: WOS:000423732100032</p>	0
<p><b>CONSIDERATIONS ON THE METHOD FOR SELF ASSESSMENT OF SAFETY AT WORK</b></p> <p>Authors (6): Bejinariu, Costica; Darabont, Doru Costin ... Baci, Constantin  Published: Jun 2017 in Environmental Engineering and Management Journal  DOI: 10.30638/EEMJ.2017.151  Web of Science accession number: WOS:000409071500022</p>	16

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**Experimental and Theoretical Aspects of Nanostructuring by Multiaxial Forging**

Authors (10): Costica Bejinariu; Alin Marian Cazac ... Simona Constantinescu  
Published: Apr 2017 in Journal of Computational and Theoretical Nanoscience  
DOI: 10.1166/JCTN.2017.6498

Not indexed in  
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Science

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**Managing new and emerging risks in the context of ISO 45001 standard**

Authors (4): Darabont, Doru-Costin; Moraru, Roland Iosif ... Bejinariu, Costica  
Published: Jan 2017 in Quality - Access to Success  
Web of Science accession number: WOS:000417405000001

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**Improving safety in the workplace using checklists legal requirements**

Authors (7): Mihai-Adrian, Bernevig-Sava; Iulian, Ionita ... Costica, Bejinariu  
Published: Jan 2017 in Quality - Access to Success  
Web of Science accession number: WOS:000417405000005

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**Preliminary Results on Complex Ceramic Layers Deposition by Atmospheric Plasma Spraying**

Authors (4): Florea, Costel; Bejinariu, Costica ... Cimpoesu, Nicanor  
Published: 2017 in AIP Conference Proceedings  
DOI: 10.1063/1.4983793  
Web of Science accession number: WOS:000405780000053

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**Determination of Friction Coefficient between Copper Semi-finished and Plastic Deformation Tools**

Authors (6): Cazac, Alin Marian; Baci, Constantin ... Bejinariu, Costica  
Published: 2017 in AIP Conference Proceedings  
DOI: 10.1063/1.4983792  
Web of Science accession number: WOS:000405780000052

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**Microstructural Analysis of Ti-Based Shape Memory Alloys Following the Electrochemical Corrosion in Artificial Saliva**

Authors (7): Baci, C.; Baci, E. R. ... Bejinariu, C.  
Published: 2017 in IOP Conference Series: Materials Science and Engineering  
DOI: 10.1088/1757-899X/209/1/012033  
Web of Science accession number: WOS:000423732100033

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**Aluminum Flow Simulation to Severe Plastic Deformation by Multiaxial Forging**

Authors (4): Costica Bejinariu; Alin Marian Cazac ... Diana Antonia Gheorghiu  
Published: Nov 2015 in Applied Mechanics and Materials  
DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.809-810.271

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**Chromium Addition Effect on Wear Properties of Cast-Iron Material**

Authors (7): Costel Florea; Costică Bejinariu ... Nicanor Cimpoesu  
Published: Nov 2015 in Applied Mechanics and Materials  
DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.809-810.572

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The Behavior at Corrosion and Fatigue of the Aluminum Alloy, Coated with a Cobalt Base Alloy, Deposited by Thermal Spraying in Electric Arc  
Authors (6): Stefan Lucian Toma; Iulian Ionita ... Bogdan Florin Toma  
Published: Nov 2015 in Applied Mechanics and Materials  
DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.809-810.584

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Influence of Process Parameters on the Properties of TiO<sub>2</sub> Films Deposited by a D.C. Magnetron Sputtering System on Glass Support  
Authors (5): Stefan Lucian Toma; Costica Bejinariu ... Bogdan Florin Toma  
Published: Aug 2015 in Key Engineering Materials  
DOI: 10.4028/WWW.SCIENTIFIC.NET/KEM.660.86

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Copper Flow Simulation to Severe Plastic Deformation by Multiaxial Forging  
Authors (4): Costică Bejinariu; Alin Marian Cazac ... Stefan Lucian Toma  
Published: Aug 2015 in Key Engineering Materials  
DOI: 10.4028/WWW.SCIENTIFIC.NET/KEM.660.62

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Preliminary Results on Microstructural, Chemical and Wear Analyze of New Cast Iron with Chromium Addition  
Authors (6): Costel Florea; Costică Bejinariu ... Nicanor Cimpoescu  
Published: Aug 2015 in Key Engineering Materials  
DOI: 10.4028/WWW.SCIENTIFIC.NET/KEM.660.97

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Chemical Deposition of Thin Layers on Reinforcing Steel  
Authors (5): Petru Lazăr; Costică Bejinariu ... Ioan Gabriel Sandu  
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DOI: 10.4028/WWW.SCIENTIFIC.NET/KEM.660.213

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The Objective Identification Of Hazards – The Essential Condition To A Real Evaluation Of Occupational Injuries And Illnesses' Risks  
Authors (4): Mihai-Adrian Bernevig-Sava; Nicoleta Monica Lohan ... Costică Bejinariu  
Published: Jul 2015 in Acta Universitatis Cibiniensis. Technical Series  
DOI: 10.1515/AUCTS-2015-0018

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Influence of Process Parameters and Geometry of the Spraying Nozzle on the Properties of Titanium Deposits Obtained in Wire Arc Spraying  
Authors (6): Bogdan Florin Toma; Iulian Ionita ... Stefan Lucian Toma  
Published: Jul 2015 in Advanced Materials Research  
DOI: 10.4028/WWW.SCIENTIFIC.NET/AMR.1111.211

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Enhancing Properties of Reinforcing Steel by Chemical Phosphatation  
Authors (6): Costică Bejinariu; Petru Lazăr ... Ofelia Corbu  
Published: Apr 2015 in Applied Mechanics and Materials  
DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.754-755.310

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Experimental Determination of Stress and Deformation Pressure in Nanostructuring Copper by Multiaxial Forging Method  
Authors (5): Costică Bejinariu; Alin Marian Cazac ... Petru Lazar  
Published: Apr 2015 in Applied Mechanics and Materials  
DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.754-755.784

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<p>The Role of Functional Polymers in the Optimization of the Acrylic Biomaterials Used in Removable Prosthetic Restoration II. Assessment of traction test and antifungal activity</p> <p>Authors (8): Earar, Kamel; Cerghizan, Diana ... Coman, Malina</p> <p>Published: 2015 in Materiale Plastice</p> <p>Web of Science accession number: WOS:000368971900014</p>	33
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<p>Experimental Studies on Adherence Resistance of Thermally Sprayed Metallic Coatings</p> <p>Authors (6): Georgescu, Iuliana-Silvia; Cazac, Alin-Marian ... Toma, Stefan-Lucian</p> <p>Published: Oct 2014 in Applied Mechanics and Materials</p> <p>DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.657.271</p> <p>Web of Science accession number: WOS:000348898000053</p>	0
<p>Experimental Determination of the Yield Stress for Copper, Cu_99.75</p> <p>Authors (6): Alin Marian Cazac; Diana Antonia Gheorghiu ... Costică Bejinariu</p> <p>Published: Oct 2014 in Applied Mechanics and Materials</p> <p>DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.659.40</p>	<div style="border: 1px solid black; background-color: #444; color: white; padding: 5px; text-align: center;">           Not indexed in the Web of Science         </div>
<p>Studies on the Corrosion Behavior of Deposits Carried out by Thermal Spraying in Electric ARC - Thermal Activated</p> <p>Authors (6): Toma, Stefan Lucian; Baci, Constantin ... Cimpoesu, Nicanor</p> <p>Published: Oct 2014 in Applied Mechanics and Materials</p> <p>DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.657.261</p> <p>Web of Science accession number: WOS:000348898000051</p>	0

<p>The Effect of Silicon Content into the Aluminum Matrix on the Microstructure and Mechanical Properties of TIG/FSW Welds            Authors (4): Diana Antonia Gheorghiu; Stefan Lucian Toma ... Mihai Bernevig            Published: Sep 2014 in Advanced Materials Research            DOI: 10.4028/WWW.SCIENTIFIC.NET/AMR.1029.106</p>	<p>Not indexed in the Web of Science</p>
<p>The Increasing of Corrosion Resistance of Low Alloy Carbon Steels Used in Petroleum Industry through Coating with Alloys Based on Fe-Ni-Cr by Thermal Spray            Authors (6): Stefan Lucian Toma; Margareta Peneoasu ... Bogdan Toma            Published: Sep 2014 in Advanced Materials Research            DOI: 10.4028/WWW.SCIENTIFIC.NET/AMR.1029.158</p>	<p>Not indexed in the Web of Science</p>
<p>The Experimental Determination of the Friction Stress between the Semi-Product and the Active Plate at the Multiaxial Forging of Copper            Authors (5): Alin Marian Cazac; Mohd Mustafa Al Bakri Abdullah ... Costică Bejinariu            Published: Aug 2014 in Materials Science Forum            DOI: 10.4028/WWW.SCIENTIFIC.NET/MSF.803.216</p>	<p>Not indexed in the Web of Science</p>
<p>The Influence of the Diffusion on Adherence of the 60T Deposits Obtained through Thermal Spraying in Electric Arc            Authors (4): Toma, Stefan Lucian; Gheorghiu, Diana Antonia ... Bejinariu, Costica            Published: Aug 2013 in Applied Mechanics and Materials            DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.371.270            Web of Science accession number: WOS:000334556900053</p>	2
<p>New Anticorrosion Layers Obtained by Chemical Phosphatation            Authors (7): Sandu, Andrei Victor; Bejinariu, Costica ... Baciuc, Constantin            Published: Aug 2013 in Revista de Chimie            Web of Science accession number: WOS:000330329400007</p>	26
<p>The effect of frontal nozzle geometry and gas pressure on the steel coating properties obtained by wire arc spraying            Authors (4): Toma, Stefan Lucian; Bejinariu, Costica ... Radu, Steluta            Published: Apr 2013 in Surface and Coatings Technology            DOI: 10.1016/J.SURFCOAT.2012.11.011            Web of Science accession number: WOS:000317875800044</p>	28
<p>Generalized lift force for complex fluid            Authors (4): Nedeff, Valentin; Bejenariu, Constantin ... Agop, Maricel            Published: Feb 2013 in Powder Technology            DOI: 10.1016/J.POWTEC.2012.11.027            Web of Science accession number: WOS:000316039400085</p>	20

<p>The improvement of the physical and mechanical properties of steel deposits obtained by thermal spraying in electric arc</p> <p>Authors (4): Toma, Stefan-Lucian; Bejinariu, Costica ... Baci, Constantin</p> <p>Published: 2013 in Advanced Materials Research</p> <p>DOI: 10.4028/WWW.SCIENTIFIC.NET/AMR.814.173</p> <p>Web of Science accession number: WOS:000336634500025</p>	10
<p>SEM-EDX and microftir studies on evaluation of protection capacity of some thin phosphate layers</p> <p>Authors (5): Sandu, Andrei Victor; Ciomaga, Alexandra ... Sandu, Ion</p> <p>Published: Dec 2012 in Microscopy Research and Technique</p> <p>DOI: 10.1002/JEMT.22120</p> <p>Web of Science accession number: WOS:000311414300014</p>	33
<p>Characterization of Aluminum Laser Produced Plasma by Target Current Measurements</p> <p>Authors (5): Nica, Petru-Edward; Agop, Maricel ... Focsa, Cristian</p> <p>Published: Oct 2012 in Japanese Journal of Applied Physics</p> <p>DOI: 10.1143/JJAP.51.106102</p> <p>Web of Science accession number: WOS:000310705700049</p>	22
<p>Nonlinearities in Drug Release Process from Polymeric Microparticles: Long-Time-Scale Behaviour</p> <p>Authors (8): Baca, Elena Simona; Bejinariu, Costica ... Agop, Maricel</p> <p>Published: 2012 in Journal of Applied Mathematics</p> <p>DOI: 10.1155/2012/653720</p> <p>Web of Science accession number: WOS:000309003300001</p>	20
<p>Study on the chemical deposition on steel of zinc phosphate with other metallic cations and hexamethilen tetramine. II. Evaluation of corrosion resistance</p> <p>Authors (5): Sandu, A. V.; Ciomaga, A. ... Sandu, I.</p> <p>Published: 2012 in Journal of Optoelectronics and Advanced Materials</p> <p>Web of Science accession number: WOS:000308718300022</p>	23
<p>MECHANICAL CHARACTERISTICS OF TIG/MIG WELDED JOINTS ON 4XXX CAST ALUMINUM ALLOYS</p> <p>Authors (5): Mihordea, Traian; Bejinariu, Costica ... Mihordea, Sorin</p> <p>Published: 2012 in MODTECH 2011: NEW FACE OF T.M.C.R. VOL I AND II</p> <p>Web of Science accession number: WOS:000392261800142</p>	0
<p>A Comparative Study on Surface Structure of Thin Zinc Phosphates Layers Obtained Using Different Deposition Procedures on Steel</p> <p>Authors (3): Sandu, Andrei Victor; Coddet, Christian; Bejinariu, Costica</p> <p>Published: 2012 in Revista de Chimie</p> <p>Web of Science accession number: WOS:000304292600012</p>	32

<p><b>MICROSTRUCTURAL CHANGES IN TIG/MIG WELDED JOINTS ON 4XXX CAST ALUMINUM ALLOYS</b></p> <p>Authors (5): Mihordea, Traian; Bejinariu, Costica ... Mihordea, Sorin  Published: 2012 in MODTECH 2011: NEW FACE OF T.M.C.R. VOL I AND II  Web of Science accession number: WOS:000392261800143</p>	0
<p><b>Study on the chemical deposition on steel of zinc phosphate with other metallic cations and hexamethilen tetramine. I. Preparation and structural and chemical characterization</b></p> <p>Authors (3): Sandu, A. V.; Coddet, C.; Bejinariu, C.  Published: 2012 in Journal of Optoelectronics and Advanced Materials  Web of Science accession number: WOS:000308718300021</p>	23
<p><b>Water Treatment and Detoxification of the By-products Resulted from Lubricating Phosphatation of Iron-Based Metal Parts</b></p> <p>Authors (6): Bejinariu, Costica; Sandu, Andrei Victor ... Sandu, Ioan Gabriel  Published: 2010 in Revista de Chimie  Web of Science accession number: WOS:000284244800011</p>	26
<p><b>Motion of free particles in fractal space-time</b></p> <p>Authors (5): Buzea, C. Gh.; Bejinariu, C. ... Agop, M.  Published: Nov 2009 in International Journal of Nonlinear Sciences and Numerical Simulation  DOI: 10.1515/IJNSNS.2009.10.11-12.1399  Web of Science accession number: WOS:000276427900006</p>	20
<p><b>A Theoretical Approach of the Electrical Conductance in Nanostructures</b></p> <p>Authors (5): Abacioaie, Dan; Paun, Maria-Alexandra ... Agop, Maricel  Published: Aug 2008 in Revista de Chimie  Web of Science accession number: WOS:000260067700021</p>	2
<p><b>New theoretical approach of the physical processes in nanostructures</b></p> <p>Authors (4): Agop, M.; Forna, N. ... Bejenariu, C.  Published: Apr 2008 in Journal of Computational and Theoretical Nanoscience  DOI: 10.1166/JCTN.2008.2489  Web of Science accession number: WOS:000255548400006</p>	34
<p><b>Suggestions for classifying the fractals and their connections with the Cantor's cardinal numbers</b></p> <p>Authors (4): Gottlieb, I.; Agop, M. ... Bejenariu, C.  Published: Feb 2008 in Journal of Physics: Conference Series  DOI: 10.1088/1742-6596/96/1/012142  Web of Science accession number: WOS:000262613600143</p>	0
<p><b>Effects of nanoparticle clustering on the heat transport in nanofluids through fractal theories</b></p> <p>Authors (5): Girtu, Manuela; Agop, Maricel ... Popa, Camelia  Published: Feb 2008 in Revista de Chimie  DOI: 10.37358/RC.08.2.1732  Web of Science accession number: WOS:000254801400014</p>	1

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<p>Determining the force and pressure at the extrusion of union nuts from cylindrical semiproducts</p> <p>Authors (4): Bejinariu, C.; Susan, M. ... Toma, S. L.</p> <p>Published: Jun 2007 in Surface Engineering and Applied Electrochemistry</p> <p>DOI: 10.3103/S1068375507030155</p> <p>Web of Science accession number: WOS:000414013900015</p>	0
<p>The influence of drawing speed at the drawing made from bearings steels in supersounds field</p> <p>Authors (5): Susan, M; Rusu, I ... Bejinariu, C</p> <p>Published: 1997 in Euromat 97 - Proceedings of the European Conference on Advanced Materials and Processes and Applications: Materials, Functionality &amp; Design, Vol 1</p> <p>Web of Science accession number: WOS:A1997BJ43L00165</p>	0
<p>The diffractographic study of remaining stresses for drawn of wires made by RUL1V in supersounds field</p> <p>Authors (5): Susan, M; Munteanu, C ... Comaneci, R</p> <p>Published: 1997 in EUROMAT 97 - PROCEEDINGS OF THE EUROPEAN CONFERENCE ON ADVANCED MATERIALS AND PROCESSES AND APPLICATIONS: MATERIALS, FUNCTIONALITY &amp; DESIGN, VOL 4</p> <p>Web of Science accession number: WOS:A1997BJ43P00055</p>	0
<p>METHOD FOR THE TENSIOMETRICAL MEASUREMENT OF THE FORCES ON THE CHUCKS JAWS</p> <p>Published: 1992 in Risk Minimization By Experimental Mechanics: Imeko / Gesa Symposium</p> <p>Web of Science accession number: WOS:A1992BV96L00009</p>	0

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3 rounds from Oct 2022 to Nov 2022 for Coatings

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Investigations into Flux-Free Plasma Brazing of Aluminum in a Local XHV-Atmosphere

Reviewed: Nov 2022 for Materials

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The Effect of Initial Grain Size on the Nanocrystallization of AZ31 Mg Alloy during Rotary Swaging

Reviewed: Oct 2022 for Materials

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Combination of Electron Beam Surface Structuring and Plasma Electrolytic Oxidation for Advanced Surface Modification of Ti6Al4V Alloy

2 rounds from Sep 2022 to Oct 2022 for Coatings

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Effect of Oxidation Time on the Structure and Corrosion Resistance of Micro-arc Oxidation Coating of AZ91D Magnesium Alloy in  $(\text{NH}_4)_2\text{ZrF}_6$  Electrolyte System

2 rounds from Sep 2022 to Oct 2022 for Coatings

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Effect of Different Contents of WC on Microstructure and Properties of NiCrMo Coatings Prepared by PTA

2 rounds from Sep 2022 to Oct 2022 for Coatings

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Corrosion Resistance of Mg/Al Vacuum Diffusion Layers

2 rounds from Aug 2022 to Sep 2022 for Coatings

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Evaluation of Surface Treatment for Enhancing Adhesion at the Metal-Composite Interface in Fibre Metal-Laminates

2 rounds from Aug 2022 to Aug 2022 for Materials

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Effect of WC on Microstructure and Wear Resistance of Fe-based Coating Fabricated by Laser Cladding

2 rounds from Aug 2022 to Aug 2022 for Coatings

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Electroless Deposits of ZnO and Hybrid ZnO/Ag Nanoparticles on Mg-Ca<sub>0.3</sub> Alloy Surface: Multiscale Characterization

2 rounds from Jul 2022 to Jul 2022 for Coatings

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Biphenylene: a two-dimensional graphene-based coating with super anti-corrosion performance

Reviewed: Jul 2022 for Materials

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Numerical Study on the Effect of Low-Frequency Power Supply on Desulfurization in the Electroslag Remelting Process

2 rounds from Jul 2022 to Jul 2022 for Metals

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Influence of CeO<sub>2</sub> and TiO<sub>2</sub> particles on physic-chemical properties of composite nickel coatings electrodeposited at ambient temperature

2 rounds from Jun 2022 to Jul 2022 for Materials

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Effect of La<sub>2</sub>O<sub>3</sub> on microstructure and properties of laser cladding SMA/Nb coating on 304 ss

2 rounds from Jun 2022 to Jul 2022 for Coatings

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Bonding Performance of Steel Rebar Coating with Ultra High-Performance Concrete

2 rounds from May 2022 to Jun 2022 for Applied Sciences

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Investigation of the structure and corrosion resistance of novel high entropy alloys for potential biomedical applications

2 rounds from May 2022 to May 2022 for Materials

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Effect of Si Content on Deposition and High-Temperature Oxidation of Al-Si Coatings Obtained by Magnetron Sputtering PVD Method

Reviewed: May 2022 for Coatings

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Thermodynamics Analysis and Pilot Study of Reusing Medium and High Alloy Steel Scrap Using Induction Melting and Electroslag Remelting Process

Reviewed: May 2022 for Metals

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Microstructure and Corrosion Behavior of Laser Cladding Fe-CoNiCrBSi Based High-Entropy Alloy Coatings

2 rounds from Apr 2022 to Apr 2022 for Coatings

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Chloride adsorption behavior and mechanism study of MgAl layered double hydroxide (LDH) intercalated with nitrates

2 rounds from Mar 2022 to Apr 2022 for Applied Sciences

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The effect of magnesium hydroxide addition on the extinguishing efficiency of BC powders

Reviewed: Apr 2022 for Materials

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Influence of Plasma Arc Current on the Friction and Wear Properties of CoCrFeNiMn High Entropy Alloy Coatings Prepared on CGI through Plasma Transfer Arc Cladding

2 rounds from Apr 2022 to Apr 2022 for Coatings

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Improvement of Structures and Properties of Al<sub>2</sub>O<sub>3</sub> Coating Prepared by Cathode Plasma Electrolytic Deposition by Incorporating SiC Nanoparticles

2 rounds from Mar 2022 to Apr 2022 for Coatings

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Comparative study of tribological and corrosion characteristics of TiCN, TiCrCN and TiZrCN coatings

2 rounds from Mar 2022 to Apr 2022 for Coatings

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Research on the corrosion behaviors of an austenitic steel in molten aluminum alloy

2 rounds from Mar 2022 to Apr 2022 for Coatings

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The Effect of PVP on The Structure of Polyaniline Nanoparticles and Its Anticorrosion Performance in Water-based Coatings

Reviewed: Apr 2022 for Coatings

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Characteristics and Causes of Construction Accidents in a Large-Scale Development Project

Reviewed: Mar 2022 for Sustainability

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A Closer Look at Precision Hard Turning of AISI4340: Multi-Objective Optimization for Simultaneous Low Surface Roughness and High Productivity

Reviewed: Feb 2022 for Materials

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Effect of Natural Aging on Precipitation Strengthening Behaviors in Al-Mg-Si Alloy

2 rounds from Jan 2022 to Feb 2022 for Metals

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Cohesive Strength and Structural Stability of the Ni-Based Superalloys

2 rounds from Nov 2021 to Dec 2021 for Materials

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Evolution of Annealing Twins in a Hot Deformed Nickel-Based Superalloy

Reviewed: Nov 2021 for Materials

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High Temperature Deformation Behavior and Microstructure Evolution of a Low-density Steel Fe30mn11al1c Microalloyed with Nb and V

Reviewed: Oct 2021 for Materials

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Mechanical and Chemical Characterisation of TiN and AlTiSiN Coatings on a LPBF Processed IN718 Substrate

2 rounds from Jul 2021 to Aug 2021 for Materials

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MOCVD of Noble Metal Film Materials for Medical Implants: Microstructure and Biocompatibility of Ir and Au/Ir Coatings on TiNi

Reviewed: May 2021 for Coatings

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Mechanical Equilibrium Dynamics Controlling Wetting State Transition at Low-Temperature Superhydrophobic Array-Microstructure Surfaces

2 rounds from Apr 2021 to Apr 2021 for Coatings

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Further Development of Wear Calculation and Wear Reduction in Cold Forging Processes

Reviewed: Mar 2021 for Journal of Manufacturing and Materials Processing

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Quantitative Shape-classification of Misfitting Precipitates During Cubic to Tetragonal Transformations: Phase-field Simulations & Experiments

Reviewed: Feb 2021 for Materials

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Full - field strain measurement and numerical analysis of a microalloyed steel subjected to deformation with strain path change

Reviewed: Nov 2020 for Materials

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Comparative Evaluation of Surface Quality, Tool Wear and Specific Cutting Energy for Wiper and Conventional Inserts in Hard Turning of AISI 4340 Alloy Steel

Reviewed: Oct 2020 for Materials

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The Relationship between the Model of the Laser Biomimetic Strengthening of Gray Cast Iron and Matching between Different Brake Pads

Reviewed: Jan 2020 for Metals

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Structural, optical and surface properties of TiO<sub>2</sub>/Cu<sub>2</sub>O prepared by direct current sputtering

Reviewed: Jan 2019 for Materials Science in Semiconductor Processing

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Synthesis and Characterization of Bimodal Structured Cu- Fe<sub>3</sub>O<sub>4</sub> Nanocomposites

Reviewed: Oct 2018 for Powder Technology

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Study on wear property and wear resistance mechanism of high-speed electric arc spraying FeNiCrAl coating under high-temperature friction

Reviewed: Nov 2017 for Surface and Coatings Technology

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## Editor records

### Editor Summary

For manuscripts handled from date range April 1989 - April 2024

(15) Materials

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For manuscripts published from date range April 1989 - April 2024 (15)

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The Effect of a Duplex Surface Treatment on the Corrosion and Tribocorrosion Characteristics of Additively Manufactured Ti-6Al-4V

Decision date: 2023-02-24 for Materials

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Effects of K<sub>2</sub>TiF<sub>6</sub> and Electrolyte Temperatures on Energy Consumption and Properties of MAO Coatings on 6063 Aluminum Alloy

Decision date: 2023-02-20 for Materials

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Developing Improved Corrosion-Resistant AA5083-BN/WC Composites for Tribological Applications

Decision date: 2023-02-14 for Materials

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Effect of Temperature and Impurity Content to Control Corrosion of 316 Stainless Steel in Molten KCl-MgCl<sub>2</sub> Salt

Decision date: 2023-02-07 for Materials

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Corrosion Behavior of Aluminium-Coated Cans

Decision date: 2023-01-13 for Materials

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Experimental and Theoretical Tests on the Corrosion Protection of Mild Steel in Hydrochloric Acid Environment by the Use of Pyrazole Derivative

Decision date: 2022-12-30 for Materials

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Duplex Coating Combining Vanadate-Intercalated Layered Double Hydroxide and Ce-Doped Sol-Gel Layers on Aluminum Alloy for Active Corrosion Protection

Decision date: 2022-12-26 for Materials

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The Synergistic Inhibitions of Tungstate and Molybdate Anions on Pitting Corrosion Initiation for Q235 Carbon Steel in Chloride Solution

Decision date: 2022-12-09 for Materials

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CORPORATE SOCIAL RESPONSIBILITY IN EUROPEAN AND ASIAN COUNTRIES

Decision date: 2022-11-07 for Materials

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Morphology and Anti-Corrosive Performance of Cr(III) Passivated Zn-Fe Alloy Coating on NdFeB Substrate

Decision date: 2022-10-21 for Materials

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Corrosion Behavior of Ti<sub>3</sub>SiC<sub>2</sub> in Flowing Liquid Lead-Bismuth Eutectic at 500 °C

Decision date: 2022-10-17 for Materials

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The Failure Mechanism of the 316 SS Heat Exchanger Tube in the Geothermal Water Environment

Decision date: 2022-10-08 for Materials

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Reaction Mechanism of CA(6), Al<sub>2</sub>O<sub>3</sub> and CA(6)-Al<sub>2</sub>O<sub>3</sub> Refractories with Refining Slag

Decision date: 2022-09-22 for Materials

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Seismic Performance Evaluation of Corrosion-Damaged Reinforced Concrete Columns Controlled by Shear Based on Experiment and FEA

Decision date: 2022-09-07 for Materials

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# Curve-Fitting Algorithm for the Inspection of Subtle Feature Lines on Automotive Outer Panels

Decision date: 2022-09-07 for Materials

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