

Costica BEJINARIU

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Current affiliation:

- "Gheorghe Asachi" Technical University of Iasi, Romania

Publication Metrics

For manuscripts published from date range February 1990 - February 2025

21

H-index

154

Total Publications

924

Sum of Times Cited

109

Web of Science Core Collection Publications

For all time

21

H-index

165

Total Publications

924

Sum of Times Cited

109

Web of Science Core Collection Publications

Publishing Summary

For manuscripts published from date range February 1990 - February 2025

(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) Materials
(7) Quality - Access to Success	(6) Archives of Metallurgy and Mater...
(5) Coatings	(4) Advanced Materials Research
(4) Materiale Plastice	(4) Sustainability
(4) Applied Sciences	(4) Key Engineering Materials
(3) Journal of Physics: Conference S...	(3) Journal of Computational and Th...

(2) UPB Scientific Bulletin, Series A: ...	(2) Journal of Optoelectronics and A...
(2) AIP Conference Proceedings	(2) MODTECH 2011: NEW FACE OF T...
(2) Environmental Engineering and ...	(2) Materials Today: Proceedings
(2) Occupational Health and Safety	(2) Springer Proceedings in Materials
(2) Annals of the Academy of Roma...	(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) TOWARDS AN INTELLIGENT LEAR...	(1) Welding - Modern Topics
(1) Thermec: International Conferen...	(1) Materials Science Forum
(1) Acta Universitatis Cibiniensis. Tec...	(1) Metals
(1) INTERNATIONAL CONFERENCE O...	(1) Journal of Applied Mathematics

Publications

For manuscripts published from date range February 1990 - February 2025
(154)

Times Cited
(All time)

Behavior of YSZ (High Y₂O₃ Content) Layer on Inconel to Electro-Chemical Corrosion

0

Authors (11): Adomnitei, Ionut; Cimpoesu, Ramona ... Cimpoesu, Nicanor

Published: Jan 2025 in Materials

DOI: 10.3390/MA18020400

Accession Number: WOS:001404250000001

Investigation of CuTi Alloy for Applications as Non-Sparking Material

0

Authors (12): Cazac, Alin-Marian; Chelariu, Romeo Gabriel ... Bejinariu, Costica

Published: Dec 2024 in Applied Sciences

DOI: 10.3390/APP142411574

Accession Number: WOS:001385553300001

Electrochemical Corrosion Resistance of Al₂O₃-YSZ Coatings on Steel Substrates

1

Authors (11): Cimpoesu, Ramona; Lutcanu, Marian ... Cimpoesu, Nicanor

Published: Dec 2024 in Applied Sciences

DOI: 10.3390/APP142310877

Accession Number: WOS:001376235400001

<p>Impact of Personal Protective Equipment Use on Stress and Psychological Well-Being Among Firefighters: Systematic Review and Meta-Analysis Authors (6): Darabont, Doru Costin; Cioca, Lucian-Ionel ... Chis, Timur Vasile Published: Nov 2024 in Sustainability DOI: 10.3390/SU16229666 Accession Number: WOS:001366118200001</p>	1
<p>Digitalization of the Occupational Health and Safety Management Processes Authors (2): Doru C. Darabont; Costică Bejinariu Published: Aug 2024 in TOWARDS AN INTELLIGENT LEARNING MANAGEMENT SYSTEM UNDER BLENDED LEARNING: TRENDS, PROFILES AND MODELING PERSPECTIVES DOI: 10.1007/978-3-031-63337-9_4</p>	<div style="background-color: #444; color: white; padding: 5px; border-radius: 5px; width: fit-content;">Not indexed in the Web of Science</div>
<p>Mechanical Properties and Wear Resistance of Biodegradable ZnMgY Alloy Authors (11): Cimpoesu, Nicanor; Paleu, Viorel ... Zegan, Georgeta Published: Jul 2024 in Metals DOI: 10.3390/MET14070836 Accession Number: WOS:001277266300001</p>	2
<p>WORK SAFETY SELF-ASSESSMENT. APPLICATION, WORK LOAD Authors (6): Gheorghe Asachi Technical University of Iasi; Costica Bejinariu ... Lucian Blaga University of Sibiu; Academy of Romanian Scientists Published: Jun 2024 in Annals of the Academy of Romanian Scientists Series on Engineering Sciences DOI: 10.56082/ANNALSARSCIENG.2024.1.5</p>	<div style="background-color: #444; color: white; padding: 5px; border-radius: 5px; width: fit-content;">Not indexed in the Web of Science</div>
<p>MICROHARDNESS AND ELASTIC PROPERTIES EVALUATION OF WC-TiC COATINGS OBTAINED BY ARC SPRAYING PROCESS Authors (5): Haraga, R.; Chicet, D. ... Bejinariu, C. Published: Jun 2024 in Archives of Metallurgy and Materials DOI: 10.24425/AMM.2024.149812 Accession Number: WOS:001296371200059</p>	0
<p>Analysis of Chemical, Microstructural and Mechanical Properties of a CuAlBe Material Regarding Its Role as a Non-Sparking Material Authors (12): Chelariu, Romeo Gabriel; Cimpoesu, Ramona ... Bejinariu, Costica Published: May 2024 in Materials DOI: 10.3390/MA17102220 Accession Number: WOS:001231779300001</p>	0
<p>STRUCTURAL AND MECHANICAL PROPERTIES OF HOT ROLLED CuAlBe NON-SPARK ALLOY Authors (9): Chelariu, G. R.; Cimpoesu, N. ... Bejinariu, C. Published: Apr 2024 in Archives of Metallurgy and Materials DOI: 10.24425/AMM.2024.147817 Accession Number: WOS:001220480900009</p>	1

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

1

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

Published: Feb 2024 in Coatings

DOI: 10.3390/COATINGS14020182

Accession Number: WOS:001172369600001

INCDPM Method for Assessing the Risks of Occupational Injury and Illness at
Work

Not indexed in
the Web of
Science

Authors (3): Costica Bejinariu; Doru Costin Darabont; Diana-Petronela
Burduhos-Nergis

Published: Jan 2024 in Occupational Health and Safety

DOI: 10.2174/9789815165524124010010

Health and Safety Performance Monitoring and Measuring

Not indexed in
the Web of
Science

Authors (2): Doru Costin Darabont; Costica Bejinariu

Published: Jan 2024 in Occupational Health and Safety

DOI: 10.2174/9789815165524124010009

CONSTITUTIVE MATERIAL LAWS IN THE MULTIFRACTAL THEORY OF MOTION
(PART II)

0

Authors (11): Agop, Stefana; Paun, Maria-Alexandra ... Paun, Viorel-Puiu

Published: 2024 in UPB Scientific Bulletin, Series A: Applied Mathematics and
Physics

Accession Number: WOS:001310032700001

WORK SAFETY SELF-ASSESSMENT (PART II). APPLICATION, WORKER

Not indexed in
the Web of
Science

Authors (7): Gheorghe Asachi Technical University of Iasi, Iasi, Romania;
Costică BEJINARIU ... Lucian Blaga University of Sibiu, Romania; Academy of
Romanian Scientists, Romania

Published: 2024 in Annals of the Academy of Romanian Scientists Series on
Engineering Sciences

DOI: 10.56082/ANNALSARSCIENG.2024.2.119

Tribological Characterization of Phosphate Coatings Deposited on Ti6Al4V

Not indexed in
the Web of
Science

Authors (7): Diana-Petronela Burduhos-Nergis; Andrei Victor Sandu ... Costica
Bejinariu

Published: Oct 2023 in Springer Proceedings in Materials

DOI: 10.1007/978-3-031-45964-1_2

Phosphate Conversion Coatings for Biomaterials: A Bibliometric Analysis

Not indexed in
the Web of
Science

Authors (6): Diana-Petronela Burduhos-Nergis; Andrei Victor Sandu ... Costica
Bejinariu

Published: Oct 2023 in Springer Proceedings in Materials

DOI: 10.1007/978-3-031-45964-1_18

<p>Ca-Zn Phosphate Conversion Coatings Deposited on Ti6Al4V for Medical Applications</p> <p>Authors (6): Burduhos-Nergis, Diana-Petronela; Cimpoesu, Nicanor ... Bejinariu, Costica</p> <p>Published: Jun 2023 in Coatings</p> <p>DOI: 10.3390/COATINGS13061029</p> <p>Accession Number: WOS:001017029700001</p>	1
<p>Considerations Regarding the Application of the Occupational Injury and Illness Risk Assessment Method at Workplaces/Workstations, in Relation to the ISO 45001 Standard</p> <p>Authors (5): Bejinariu, Costica; Darabont, Doru-Costin ... Chiriac-Moruzzi, Cristiana</p> <p>Published: Feb 2023 in Sustainability</p> <p>DOI: 10.3390/SU15032121</p> <p>Accession Number: WOS:000930875800001</p>	0
<p>PHOSPHATE CONVERSION COATING - A SHORT REVIEW</p> <p>Authors (5): Burduhos-Nergis, D. -P.; Sandu, A. V. ... Bejinariu, C.</p> <p>Published: 2023 in Archives of Metallurgy and Materials</p> <p>DOI: 10.24425/AMM.2023.145471</p> <p>Accession Number: WOS:001106664500019</p>	3
<p>Structural and mechanical characterization of as-cast CuAlBe alloy</p> <p>Authors (8): Romeo Gabriel CHELARIU; Marcelin BENCHEA ... Costică BEJINARIU</p> <p>Published: 2023 in Materials Today: Proceedings</p> <p>DOI: 10.1016/J.MATPR.2022.10.106</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>XRD and STA Characterization of Phosphate Layers Deposited on the Carbon Steel Surface</p> <p>Authors (5): Burduhos-Nergis, D. -P.; Bejinariu, C. ... Vizureanu, P.</p> <p>Published: 2023 in Archives of Metallurgy and Materials</p> <p>DOI: 10.24425/AMM.2023.145459</p> <p>Accession Number: WOS:001106664500006</p>	1
<p>CONSTITUTIVE MATERIAL LAWS IN THE MULTIFRACTAL THEORY OF MOTION (PART I)</p> <p>Authors (10): Rotundu, Ana; Agop, Stefana ... Paun, Viorel-Puiu</p> <p>Published: 2023 in UPB Scientific Bulletin, Series A: Applied Mathematics and Physics</p> <p>Accession Number: WOS:001133100100001</p>	2
<p>Microstructural, Corrosion Resistance, and Tribological Properties of Al₂O₃ Coatings Prepared by Atmospheric Plasma Spraying</p> <p>Authors (10): Bejinariu, Costica; Paleu, Viorel ... Cimpoesu, Nicanor</p> <p>Published: Dec 2022 in Materials</p> <p>DOI: 10.3390/MA15249013</p> <p>Accession Number: WOS:000906867300001</p>	5

<p>Convective Heat Transfer in Magneto-Hydrodynamic Carreau Fluid with Temperature Dependent Viscosity and Thermal Conductivity</p> <p>Authors (8): Shah, Syed Amir Ghazi Ali; Hassan, Ali ... Bejinariu, Costica</p> <p>Published: Nov 2022 in Nanomaterials</p> <p>DOI: 10.3390/NANO12224084</p> <p>Accession Number: WOS:000887621900001</p>	7
<p>Mechanical Behavior of Crushed Waste Glass as Replacement of Aggregates</p> <p>Authors (8): Celik, Ali Ihsan; Ozkilic, Yasin Onuralp ... Bejinariu, Costica</p> <p>Published: Nov 2022 in Materials</p> <p>DOI: 10.3390/MA15228093</p> <p>Accession Number: WOS:000887381300001</p>	100
<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>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>Accession Number: WOS:000831664600001</p>	3
<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>Accession Number: WOS:000751038100001</p>	35
<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>Accession Number: WOS:000890623500007</p>	1
<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>Accession Number: WOS:000849223500008</p>	1

<p>Galvanic Corrosion Behaviour of Different Types of Coatings Used in Safety Systems Manufacturing Authors (3): Burduhos-Nergis, Diana-Petronela; Burduhos-Nergis, Dumitru-Doru; Bejinariu, Costica Published: Dec 2021 in Coatings DOI: 10.3390/COATINGS11121542 Accession Number: WOS:000736371900001</p>	7
<p>Phosphate Coatings: EIS and SEM Applied to Evaluate the Corrosion Behavior of Steel in Fire Extinguishing Solution Authors (5): Burduhos-Nergis, Diana-Petronela; Vasilescu, Gabriel Dragos ... Bejinariu, Costica Published: Sep 2021 in Applied Sciences DOI: 10.3390/APP11177802 Accession Number: WOS:000694140300001</p>	9
<p>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</p>	<div style="background-color: #444; color: white; padding: 5px; text-align: center; font-size: 0.8em;">Not indexed in the Web of Science</div>
<p>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</p>	<div style="background-color: #444; color: white; padding: 5px; text-align: center; font-size: 0.8em;">Not indexed in the Web of Science</div>
<p>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</p>	<div style="background-color: #444; color: white; padding: 5px; text-align: center; font-size: 0.8em;">Not indexed in the Web of Science</div>
<p>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</p>	<div style="background-color: #444; color: white; padding: 5px; text-align: center; font-size: 0.8em;">Not indexed in the Web of Science</div>
<p>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</p>	<div style="background-color: #444; color: white; padding: 5px; text-align: center; font-size: 0.8em;">Not indexed in the Web of Science</div>
<p>Phosphate coatings for the protection of steels reinforcement for concrete Authors (6): Lazar, P.; Bejinariu, C. ... Burduhos-Nergis, D.P. Published: Jun 2021 in Journal of Physics: Conference Series DOI: 10.1088/1742-6596/1960/1/012013 Accession Number: INSPEC:20748331</p>	1

Phosphate Coatings Suitable for Personal Protective Equipment
Published: Feb 2021 in Industrial Applications of Green Solvents, Vol I
DOI: 10.21741/9781644901113

Not indexed in
the Web of
Science

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
Accession Number: WOS:000615650700001

Hard Alloys with High Content of WC and TiC—Deposited by Arc Spraying
Process

Not indexed in
the Web of
Science

Authors (5): Stefan Lucian Toma; Radu Armand Haraga ... Costica Bejinariu
Published: Jan 2021 in Welding - Modern Topics
DOI: 10.5772/INTECHOPEN.94605

Immersion Behavior of Carbon Steel, Phosphate Carbon Steel and Phosphate
and Painted Carbon Steel in Saltwater

23

Authors (3): Bejinariu, Costica; Burduhos-Nergis, Diana-Petronela; Cimpoesu,
Nicanor
Published: Jan 2021 in Materials
DOI: 10.3390/MA14010188
Accession Number: WOS:000606063000001

Phosphate Surface Treatment for Improving the Corrosion Resistance of the
C45 Carbon Steel Used in Carabiners Manufacturing

24

Authors (4): Burduhos-Nergis, Diana-Petronela; Vizureanu, Petrica ...
Bejinariu, Costica
Published: Aug 2020 in Materials
DOI: 10.3390/MA13153410
Accession Number: WOS:000559047800001

Characterization of Zinc and Manganese Phosphate Layers Deposited on the
Carbon Steel Surface

2

Authors (5): Burduhos-Nergis, D.P.; Cazac, A.M. ... Bejinariu, C.
Published: Jul 2020 in IOP Conference Series: Materials Science and
Engineering
DOI: 10.1088/1757-899X/877/1/012012
Accession Number: INSPEC:19785430

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

Not indexed in
the Web of
Science

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

Evaluation of the Corrosion Resistance of Phosphate Coatings Deposited on the Surface of the Carbon Steel Used for Carabiners Manufacturing 34
Authors (4): Burduhos-Nergis, Diana-Petronela; Vizureanu, Petrica ...
Bejinariu, Costica
Published: Apr 2020 in Applied Sciences
DOI: 10.3390/APP10082753
Accession Number: WOS:000533352100117

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

Not indexed in
the Web of
Science

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

Not indexed in
the Web of
Science

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

MEVA - a new method of occupational health and safety risk assessment 0
Authors (8): Darabont, Doru-Costin; Smidu, Eduard ... Bernevig-Sava, Mihai-Adrian
Published: Aug 2019 in MATEC Web of Conferences
DOI: 10.1051/MATECCONF/201929012008
Accession Number: WOS:000569367700137

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

Not indexed in
the Web of
Science

Influence of surface roughness and current intensity on the adhesion of high alloyed steel deposits - obtained by thermal spraying in electric arc 3
Authors (6): Haraga, R.A.; Bejinariu, C. ... Toma, S.L.
Published: Jul 2019 in IOP Conference Series: Materials Science and Engineering
DOI: 10.1088/1757-899X/572/1/012056
Accession Number: INSPEC:18919994

<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>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</p>	<p>Not indexed in the Web of Science</p>
<p>Studies on galvanic corrosion of metallic materials in marine medium Authors (6): C Nejneru; 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>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>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>Galvanic Corrosion of Ductile Cast Iron Coupled with Different Alloys in Synthetic Domestic Waste Water Authors (6): Savin, Cristian; Nejneru, Carmen ... Sandu, Andrei Victor Published: Feb 2019 in Revista de Chimie DOI: 10.37358/RC.19.2.6945 Accession Number: WOS:000461982200030</p>	<p>3</p>
<p>Selection and verification of personal protective equipment in the context of current legal requirements Authors (5): Bernevig-Sava, Mihai-Adrian; Darabont, Doru Costin ... Bejinariu, Costica Published: Jan 2019 in Quality - Access to Success Accession Number: WOS:000459686300019</p>	<p>6</p>

Occupational safety and health audit between theory, legal requirements and practice Authors (5): Baciú, Constantin; Bejinariu, Costica ... Bernevig-Sava, Mihai-Adrian Published: Jan 2019 in Quality - Access to Success Accession Number: WOS:000459686300020	2
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 Accession Number: WOS:000459686300018	4
The Galvanic Corrosion Behavior of Phosphated Carbon Steel Used at Carabiners Manufacturing Authors (7): Burduhos-Nergis, Diana Petronela; Nejneru, Carmen ... Bejinariu, Costica Published: Jan 2019 in Revista de Chimie DOI: 10.37358/RC.19.1.6885 Accession Number: WOS:000460428100047	4
Analysis of Chemically Deposited Phosphate Layer on the Carabiners Steel Surface Used at Personal Protective Equipments Authors (7): Burduhos-Nergis, Diana-Petronela; Nejneru, Carmen ... Bejinariu, Costica Published: Jan 2019 in Quality - Access to Success Accession Number: WOS:000459686300013	3
Study on the anticorrosive phosphated steel carabiners used at personal protective equipment Authors (7): Bejinariu, Costica; Burduhos-Nergis, Diana-Petronela ... Baciú, Constantin Published: Jan 2019 in Quality - Access to Success Accession Number: WOS:000459686300012	9
Tribological characterization of phosphate conversion coating and rubber paint coating deposited on carbon steel carabiners surfaces Authors (5): Nergis, Diana Petronela Burduhos; Cimpoesu, Nicanor ... Bejinariu, Costica Published: 2019 in Materials Today: Proceedings DOI: 10.1016/J.MATPR.2019.08.009 Accession Number: WOS:000496428200010	9
Analysis of Contact Angle for Metallic Materials in Wastewater Pumps Authors (6): Savin, Cristian; Nejneru, Carmen ... Bejinariu, Costica Published: 2019 in Revista de Chimie Accession Number: WOS:000489685600022	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 Accession Number: WOS:000500795900031	5
Electro-chemical Corrosion of a Cast Iron Protected with a Al ₂ O ₃ Ceramic Layer Authors (7): Bejinariu, Costica; Munteanu, Corneliu ... Sandu, Andrei Victor Published: Dec 2018 in Revista de Chimie 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 Accession Number: WOS:000455236000021	14
Influence of nanostructuration on the sound velocity in copper Cu _{99.75} 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 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 Accession Number: WOS:000444602300044	5
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 Accession Number: WOS:000446775900028	0
Influence of Nanostructuration on the Sound Velocity in Aluminum Al _{99.50} Authors (5): Cazac, A. M.; Alexandru, A. ... Bejinariu, C. Published: Jun 2018 in EUROINVENT ICIR DOI: 10.1088/1757-899X/374/1/012038 Accession Number: WOS:000446775900038	0

<p>Structural Analysis of Carabiners Materials Used at Personal Protective Equipments</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 Accession Number: WOS:000446775900040</p>	6
<p>Thermal Analysis of a New Glass Fiber-Reinforced Bismaleimide Composite Material Used for Firefighter Helmets</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 Accession Number: WOS:000446775900022</p>	0
<p>Aspects Regarding Instantaneous Corrosion of Nodular Iron in Household Wastewater</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 Accession Number: WOS:000446775900016</p>	1
<p>Influence of Selective Laser Melting Processing Parameters of Co-Cr-W Powders on the Roughness of Exterior Surfaces</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 Accession Number: WOS:000446775900010</p>	4
<p>Assessment of Hard Thin Layers Deposited by Plasma Spray on Hydroboration</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 Accession Number: WOS:000446775900029</p>	0
<p>Researches on the Improvement of the Bioactivity of TiO₂ Deposits, Obtained by Magnetron Sputtering - DC</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 Accession Number: WOS:000446775900017</p>	2

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

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

Accession Number: WOS:000452924600002

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

Accession Number: WOS:000452924600004

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

Accession Number: WOS:000452924600005

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

Accession Number: WOS:000452924600003

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

Accession Number: WOS:000452924600006

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

Accession Number: WOS:000452924600001

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

10

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

Published: Dec 2017 in Revista de Chimie

DOI: 10.37358/RC.17.11.5933

Accession Number: WOS:000416751800024

<p>Management of Maceration-Fermentation Technologies Regarding the Antioxidant Profiles of Some Wines from Iasi Vineyard</p> <p>Authors (8): Ignat, Gabriela; Colibaba, Cintia ... Bejinariu, Costica Published: Dec 2017 in Revista de Chimie DOI: 10.37358/RC.17.12.6007 Accession Number: WOS:000423261900040</p>	1
<p>Solid Waste Management on Romanian Households</p> <p>Authors (8): Ungureanu, George; Ignat, Gabriela ... Bejinariu, Costica Published: Dec 2017 in Revista de Chimie Accession Number: WOS:000423261900045</p>	8
<p>Experimental Analysis of Resistance to Electrocorosion of a High Chromium Cast Iron with Applications in the Vehicle Industry</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 Accession Number: WOS:000416750000038</p>	10
<p>Effect of Climate Change on Pedological Modifications and Soil Aridity Process in Vineyards</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 Accession Number: WOS:000416751800041</p>	3
<p>Good Management Practices in Managing the Most Important Factors to Ensure Durable Soil Quality</p> <p>Authors (7): Ungureanu, George; Ignat, Gabriela ... Bejinariu, Costica Published: Oct 2017 in Revista de Chimie DOI: 10.37358/RC.17.10.5884 Accession Number: WOS:000416750000029</p>	0
<p>Studies Regarding the Efficiency of Grape Tannins Greening Plastics</p> <p>Authors (7): Ignat, Gabriela; Colibaba, Cintia ... Bejinariu, Costica Published: Sep 2017 in Materiale Plastice DOI: 10.37358/MP.17.3.4902 Accession Number: WOS:000426412300042</p>	6
<p>Adhesion Characterisation of Complex Ceramics Thin Layers Deposited on Metallic Substrate</p> <p>Authors (6): Costel Florea; Costică Bejinariu ... Ramona Cimpoeșu 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>Key elements on implementing an occupational health and safety management system using ISO 45001 standard</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 Accession Number: WOS:000435283800126</p>	31

<p>Biochemical Effects of Some Tyrosine Kinase Inhibitors on Pro-B Cells-Induced Apoptosis</p> <p>Authors (8): Gentimir, Carmen; Tatarciuc, Diana ... Costuleanu, Marcel Published: Aug 2017 in Revista de Chimie Accession Number: WOS:000410388000039</p>	9
<p>Considerations on Applying the Method for Assessing the Level of Safety at Work</p> <p>Authors (6): Bejinariu, Costica; Darabont, Doru-Costin ... Baci, Constantin Published: Jul 2017 in Sustainability DOI: 10.3390/SU9071263 Accession Number: WOS:000406709500190</p>	21
<p>Obtaining of High Cr Content Cast Iron Materials</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 Accession Number: WOS:000423732100046</p>	0
<p>Corrosion Evaluation of Some Phosphated Thin Layers on Reinforcing Steel</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 Accession Number: WOS:000423732100025</p>	8
<p>Influence of the Process Parameters on the Properties of Diamax Deposits Obtained by Flame Thermal Spray</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 Accession Number: WOS:000423732100072</p>	0
<p>Morphological Analysis (SEM) of the Surface of a Non-Noble Dental Alloy Subjected to Electrocorrosion</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 Accession Number: WOS:000423732100032</p>	0
<p>CONSIDERATIONS ON THE METHOD FOR SELF ASSESSMENT OF SAFETY AT WORK</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 Accession Number: WOS:000409071500022</p>	18

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
the Web of
Science

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
Accession Number: WOS:000417405000005

9

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
Accession Number: WOS:000417405000001

21

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
Accession Number: WOS:000423732100033

1

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
Accession Number: WOS:000405780000052

0

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
Accession Number: WOS:000405780000053

5

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

Authors (8): Earar, Kamel; Cerghizan, Diana ... Coman, Malina
Published: Dec 2015 in Materiale Plastice
Accession Number: WOS:000368971900014

33

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

Not indexed in
the Web of
Science

<p>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</p>	<p>Not indexed in the Web of Science</p>
<p>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</p>	<p>Not indexed in the Web of Science</p>
<p>Copper flow simulation to severe plastic deformation by multiaxial forging Authors (4): Bejinariu, C.; Cazac, A.M. ... Toma, S.L. Published: Aug 2015 in Key Engineering Materials DOI: 10.4028/WWW.SCIENTIFIC.NET/KEM.660.62 Accession Number: INSPEC:15566165</p>	<p>1</p>
<p>Chemical Deposition of Thin Layers on Reinforcing Steel Authors (5): Lazar, P.; Bejinariu, C. ... Sandu, I.G. Published: Aug 2015 in Key Engineering Materials DOI: 10.4028/WWW.SCIENTIFIC.NET/KEM.660.213 Accession Number: INSPEC:15566172</p>	<p>1</p>
<p>Influence of Process Parameters on the Properties of TiO₂ 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</p>	<p>Not indexed in the Web of Science</p>
<p>Preliminary Results on Microstructural, Chemical and Wear Analyze of New Cast Iron with Chromium Addition Authors (6): Costel Florea; Costică Bejinariu ... Nicanor Cimpoesu Published: Aug 2015 in Key Engineering Materials DOI: 10.4028/WWW.SCIENTIFIC.NET/KEM.660.97</p>	<p>Not indexed in the Web of Science</p>
<p>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</p>	<p>Not indexed in the Web of Science</p>
<p>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</p>	<p>Not indexed in the Web of Science</p>

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

Not indexed in
the Web of
Science

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

Not indexed in
the Web of
Science

The Role of Functional Polymers in the Optimisation of Acrylic Biomaterials
used in Amovable Prosthetic Restoration I. The experimental protocol using
the Iosipescu test

28

Authors (6): Earar, Kamel; Matei, Madalina Nicoleta ... Sandu, Ioan Gabriel

Published: Mar 2015 in Materiale Plastice

Accession Number: WOS:000351194900025

The Experimental Determination of the Friction Stress between the Semi-
Product and the Active Plate at the Multiaxial Forging of Copper

2

Authors (5): Cazac, A.M.; Al Bakri Abdullah, M.M. ... Bejinariu, C.

Published: 2015 in Thermec: International Conference on Processing and
Manufacturing of Advanced Materials

DOI: 10.4028/WWW.SCIENTIFIC.NET/MSF.803.216

Accession Number: INSPEC:15406329

Experimental determination of the yield stress for copper, Cu_{99.75}

1

Authors (6): Cazac, A.M.; Gheorghiu, D.A. ... Bejinariu, C.

Published: Oct 2014 in Applied Mechanics and Materials

DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.659.40

Accession Number: INSPEC:15282271

Experimental Studies on Adherence Resistance of Thermally Sprayed
Metallic Coatings

0

Authors (6): Georgescu, Iuliana-Silvia; Cazac, Alin-Marian ... Toma, Stefan-
Lucian

Published: Oct 2014 in Applied Mechanics and Materials

DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.657.271

Accession Number: WOS:000348898000053

Design and Implementation of a Device for Nanostructuring of Metallic
Materials by Multiaxial Forging Method

3

Authors (5): Cazac, Alin Marian; Bejinariu, Costica ... Rodu, Cosmin

Published: Oct 2014 in Applied Mechanics and Materials

DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.657.193

Accession Number: WOS:000348898000038

<p>Experimental Determination of Force and Deformation Stress in Nanostructuring Aluminum by Multiaxial Forging Method Authors (5): Cazac, Alin Marian; Bejinariu, Costica ... Florea, Costel Dorel Published: Oct 2014 in Applied Mechanics and Materials DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.657.137 Accession Number: WOS:000348898000027</p>	7
<p>Studies on the Corrosion Behavior of Deposits Carried out by Thermal Spraying in Electric ARC - Thermal Activated Authors (6): Toma, Stefan Lucian; Baciu, Constantin ... Cimpoesu, Nicanor Published: Oct 2014 in Applied Mechanics and Materials DOI: 10.4028/WWW.SCIENTIFIC.NET/AMM.657.261 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>	<div style="background-color: #444; color: white; padding: 5px; text-align: center;">Not indexed in the Web of Science</div>
<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>	<div style="background-color: #444; color: white; padding: 5px; text-align: center;">Not indexed in the Web of Science</div>
<p>New Anticorrosion Layers Obtained by Chemical Phosphatation Authors (7): Sandu, Andrei Victor; Bejinariu, Costica ... Baciu, Constantin Published: Aug 2013 in Revista de Chimie Accession Number: WOS:000330329400007</p>	27
<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 Accession Number: WOS:000334556900053</p>	2
<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 Accession Number: WOS:000317875800044</p>	29

<p>Generalized lift force for complex fluid</p> <p>Authors (4): Nedeff, Valentin; Bejenariu, Constantin ... Agop, Maricel</p> <p>Published: Feb 2013 in Powder Technology</p> <p>DOI: 10.1016/J.POWTEC.2012.11.027</p> <p>Accession Number: WOS:000316039400085</p>	21
<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>Accession Number: WOS:000336634500025</p>	11
<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>Accession Number: WOS:000311414300014</p>	34
<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>Accession Number: WOS:000310705700049</p>	22
<p>Study on the chemical deposition on steel of zinc phosphate with other metallic cations and hexamethilen tetramine. I. Preparation and structural and chemical characterization</p> <p>Authors (3): Sandu, A. V.; Coddet, C.; Bejinariu, C.</p> <p>Published: 2012 in Journal of Optoelectronics and Advanced Materials</p> <p>Accession Number: WOS:000308718300021</p>	23
<p>MICROSTRUCTURAL CHANGES IN 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>Accession Number: WOS:000392261800143</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>Accession Number: WOS:000304292600012</p>	32
<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>Accession Number: WOS:000392261800142</p>	0

<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>Accession Number: WOS:000308718300022</p>	23
<p>Nonlinearities in Drug Release Process from Polymeric Microparticles: Long-Time-Scale Behaviour</p> <p>Authors (8): Bacaita, Elena Simona; Bejinariu, Costica ... Agop, Maricel</p> <p>Published: 2012 in Journal of Applied Mathematics</p> <p>DOI: 10.1155/2012/653720</p> <p>Accession Number: WOS:000309003300001</p>	22
<p>Water Treatment and Detoxification of the By-products Resulted from Lubricating Phosphatation of Iron-Based Metal Parts</p> <p>Authors (6): Bejinariu, Costica; Sandu, Andrei Victor ... Sandu, Ioan Gabriel</p> <p>Published: 2010 in Revista de Chimie</p> <p>Accession Number: WOS:000284244800011</p>	26
<p>Motion of free particles in fractal space-time</p> <p>Authors (5): Buzea, C. Gh.; Bejinariu, C. ... Agop, M.</p> <p>Published: Nov 2009 in International Journal of Nonlinear Sciences and Numerical Simulation</p> <p>DOI: 10.1515/IJNSNS.2009.10.11-12.1399</p> <p>Accession Number: WOS:000276427900006</p>	21
<p>A Theoretical Approach of the Electrical Conductance in Nanostructures</p> <p>Authors (5): Abacioaie, Dan; Paun, Maria-Alexandra ... Agop, Maricel</p> <p>Published: Aug 2008 in Revista de Chimie</p> <p>Accession Number: WOS:000260067700021</p>	2
<p>New theoretical approach of the physical processes in nanostructures</p> <p>Authors (4): Agop, M.; Forna, N. ... Bejenariu, C.</p> <p>Published: Apr 2008 in Journal of Computational and Theoretical Nanoscience</p> <p>DOI: 10.1166/JCTN.2008.2489</p> <p>Accession Number: WOS:000255548400006</p>	37
<p>Suggestions for classifying the fractals and their connections with the Cantor's cardinal numbers</p> <p>Authors (4): Gottlieb, I.; Agop, M. ... Bejenariu, C.</p> <p>Published: Feb 2008 in Journal of Physics: Conference Series</p> <p>DOI: 10.1088/1742-6596/96/1/012142</p> <p>Accession Number: WOS:000262613600143</p>	0

Effects of nanoparticle clustering on the heat transport in nanofluids through fractal theories Authors (5): Girtu, Manuela; Agop, Maricel ... Popa, Camelia Published: Feb 2008 in Revista de Chimie DOI: 10.37358/RC.08.2.1732 Accession Number: WOS:000254801400014	1
The heat transport in nanofluids: a theoretical approach through the fractal theories Published: 2008 in Materiale Plastice Accession Number: WOS:000255295400020	2
Determining the force and pressure at the extrusion of union nuts from cylindrical semiproducts Authors (4): Bejinariu, C.; Susan, M. ... Toma, S. L. Published: Jun 2007 in Surface Engineering and Applied Electrochemistry DOI: 10.3103/S1068375507030155 Accession Number: WOS:000414013900015	0
The influence of drawing speed at the drawing made from bearings steels in supersounds field Authors (5): Susan, M; Rusu, I ... Bejinariu, C Published: 1997 in Euromat 97 - Proceedings of the European Conference on Advanced Materials and Processes and Applications: Materials, Functionality & Design, Vol 1 Accession Number: WOS:A1997BJ43L00165	0
The diffractographic study of remaining stresses for drawn of wires made by RUL1V in supersounds field Authors (5): Susan, M; Munteanu, C ... Comaneci, R Published: 1997 in EUROMAT 97 - PROCEEDINGS OF THE EUROPEAN CONFERENCE ON ADVANCED MATERIALS AND PROCESSES AND APPLICATIONS: MATERIALS, FUNCTIONALITY & DESIGN, VOL 4 Accession Number: WOS:A1997BJ43P00055	0
METHOD FOR THE TENSIOMETRICAL MEASUREMENT OF THE FORCES ON THE CHUCKS JAWS Published: 1992 in Risk Minimization By Experimental Mechanics: Imeko / Gesa Symposium Accession Number: WOS:A1992BV96L00009	0

Verified Reviews

Reviewer Summary

For manuscripts reviewed from date range February 1990 - February 2025

(36) Materials	(34) Coatings
(10) Metals	(4) Applied Sciences

(2) Standards	(2) International Journal of Molecula...
(1) Powder Technology	(1) Materials Science in Semiconduc...
(1) Surface and Coatings Technology	(1) Journal of Manufacturing and Ma...
(1) Sustainability	

93 REVIEWS OF 59 MANUSCRIPTS

For manuscripts published from date range February 1990 - February 2025

Application of laser-induced breakdown spectroscopy for analysis of multilayer, functionally graded and corroded materials

2 rounds from Sep 2023 to Oct 2023 for Materials

Mechanical and Corrosion Behavior of a Composite Gradient Structured Cu-Fe Alloy

2 rounds from Jul 2023 to Jul 2023 for Metals

Jet Electrodeposition of Corrosion Resistant Superhydrophobic Surface on Copper Substrate

Reviewed: May 2023 for Coatings

The Effect of Boron (B) on the Microstructure and Graphite Morphology of Spheroidal Graphite Cast Iron

2 rounds from May 2023 to May 2023 for Materials

Ultra-Low Cycle Fatigue Life Prediction Model-A Review

Reviewed: May 2023 for Metals

Electrochemical Corrosion Behaviour of Ti-N-O modified layer on the TC4 titanium alloy prepared by hollow cathodic plasma source oxynitriding

Reviewed: Apr 2023 for Metals

Corrosion effected bond behavior between PVA fiber reinforced concrete and steel rebar under chloride environment

2 rounds from Mar 2023 to Mar 2023 for Materials

The Cultivation Modality and Barrier Maturity Modulate the Toxicity of Industrial Zinc Oxide and Titanium Dioxide Nanoparticles on Nasal, Buccal, Bronchial, and Alveolar Mucosa Cell-Derived Barrier Models

2 rounds from Jan 2023 to Mar 2023 for International Journal of Molecular Sciences

Study on the influence of heat treatment process on corrosion resistance of micro-cutting machined surface

Reviewed: Mar 2023 for Coatings

Evaluation of the spark plasma sintering of titanium diboride-reinforced titanium matrix composites

2 rounds from Feb 2023 to Feb 2023 for Materials

Corrosion resistance of nickel-aluminum sinters produced by HPHT/SPS high-pressure method

2 rounds from Jan 2023 to Feb 2023 for Materials

Asking about the risk: a new approach to learn the ISO 45001

2 rounds from Dec 2022 to Dec 2022 for Standards

Study on corrosion mechanism and low cycle fatigue behaviour of Q345R steel influenced by Thiobacillus ferrooxidans

Reviewed: Dec 2022 for Materials

Impact of the Initial Phase Composition of Alloys on the Effects Manifested by Yield Sites That Occur on Sheet Aluminum Alloys Subjected to Impact-Oscillatory Loading

2 rounds from Nov 2022 to Dec 2022 for Materials

Assessment of corrosion resistance of shot peened X5CrNi18-10 steel

2 rounds from Oct 2022 to Dec 2022 for Materials

Molecular dynamics study on crack propagation in Al containing Mg-Si clusters formed during natural aging

Reviewed: Nov 2022 for Materials

A novel protection method for the carbonate stone relics with gypsum weathering crust

3 rounds from Oct 2022 to Nov 2022 for Coatings

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

Reviewed: Nov 2022 for Materials

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

Reviewed: Oct 2022 for Materials

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

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

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

Corrosion Resistance of Mg/Al Vacuum Diffusion Layers

2 rounds from Aug 2022 to Sep 2022 for Coatings

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

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

Electroless Deposits of ZnO and Hybrid ZnO/Ag Nanoparticles on Mg-Ca_{0.3} Alloy Surface: Multiscale Characterization

2 rounds from Jul 2022 to Jul 2022 for Coatings

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

Reviewed: Jul 2022 for Materials

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

Influence of CeO₂ and TiO₂ particles on physic-chemical properties of composite nickel coatings electrodeposited at ambient temperature

2 rounds from Jun 2022 to Jul 2022 for Materials

Effect of La₂O₃ on microstructure and properties of laser cladding SMA/Nb coating on 304 ss
2 rounds from Jun 2022 to Jul 2022 for Coatings

Bonding Performance of Steel Rebar Coating with Ultra High-Performance Concrete
2 rounds from May 2022 to Jun 2022 for Applied Sciences

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

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

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

Microstructure and Corrosion Behavior of Laser Cladding Fe-CoNiCrBSi Based High-Entropy Alloy Coatings
2 rounds from Apr 2022 to Apr 2022 for Coatings

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

The effect of magnesium hydroxide addition on the extinguishing efficiency of BC powders
Reviewed: Apr 2022 for Materials

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

Improvement of Structures and Properties of Al₂O₃ Coating Prepared by Cathode Plasma Electrolytic Deposition by Incorporating SiC Nanoparticles
2 rounds from Mar 2022 to Apr 2022 for Coatings

Comparative study of tribological and corrosion characteristics of TiCN, TiCrCN and TiZrCN coatings
2 rounds from Mar 2022 to Apr 2022 for Coatings

Research on the corrosion behaviors of an austenitic steel in molten aluminum alloy
2 rounds from Mar 2022 to Apr 2022 for Coatings

The Effect of PVP on The Structure of Polyaniline Nanoparticles and Its Anticorrosion Performance in Water-based Coatings
Reviewed: Apr 2022 for Coatings

Characteristics and Causes of Construction Accidents in a Large-Scale Development Project
Reviewed: Mar 2022 for Sustainability

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

Effect of Natural Aging on Precipitation Strengthening Behaviors in Al-Mg-Si Alloy
2 rounds from Jan 2022 to Feb 2022 for Metals

Cohesive Strength and Structural Stability of the Ni-Based Superalloys

2 rounds from Nov 2021 to Dec 2021 for Materials

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

Reviewed: Nov 2021 for Materials

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

Reviewed: Oct 2021 for Materials

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

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

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

2 rounds from Apr 2021 to Apr 2021 for Coatings

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

Reviewed: Mar 2021 for Journal of Manufacturing and Materials Processing

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

Reviewed: Feb 2021 for Materials

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

Reviewed: Nov 2020 for Materials

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

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

Structural, optical and surface properties of TiO₂/Cu₂O prepared by direct current sputtering

Reviewed: Jan 2019 for Materials Science in Semiconductor Processing

Synthesis and Characterization of Bimodal Structured Cu- Fe₃O₄ Nanocomposites

Reviewed: Oct 2018 for Powder Technology

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

Editor records

Editor Summary

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(15) Materials

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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

Effects of K₂TiF₆ and Electrolyte Temperatures on Energy Consumption and Properties of MAO Coatings on 6063 Aluminum Alloy

Decision date: 2023-02-20 for Materials

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

Decision date: 2023-02-14 for Materials

Effect of Temperature and Impurity Content to Control Corrosion of 316 Stainless Steel in Molten KCl-MgCl₂ Salt

Decision date: 2023-02-07 for Materials

Corrosion Behavior of Aluminium-Coated Cans

Decision date: 2023-01-13 for Materials

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

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

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

CORPORATE SOCIAL RESPONSIBILITY IN EUROPEAN AND ASIAN COUNTRIES

Decision date: 2022-11-07 for Materials

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

Decision date: 2022-10-21 for Materials

Corrosion Behavior of Ti₃SiC₂ in Flowing Liquid Lead-Bismuth Eutectic at 500 °C

Decision date: 2022-10-17 for Materials

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

Decision date: 2022-10-08 for Materials

Reaction Mechanism of CA(6), Al₂O₃ and CA(6)-Al₂O₃ Refractories with Refining Slag

Decision date: 2022-09-22 for Materials

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

Decision date: 2022-09-07 for Materials

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

Decision date: 2022-09-07 for Materials
