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Publication Metrics

For manuscripts published from date range January 1990 - January 2026

21

H-index

1076

Sum of Times Cited

167

Total Publications

114

Web of Science Core Collection Publications

For all time

21

H-index

1076

Sum of Times Cited

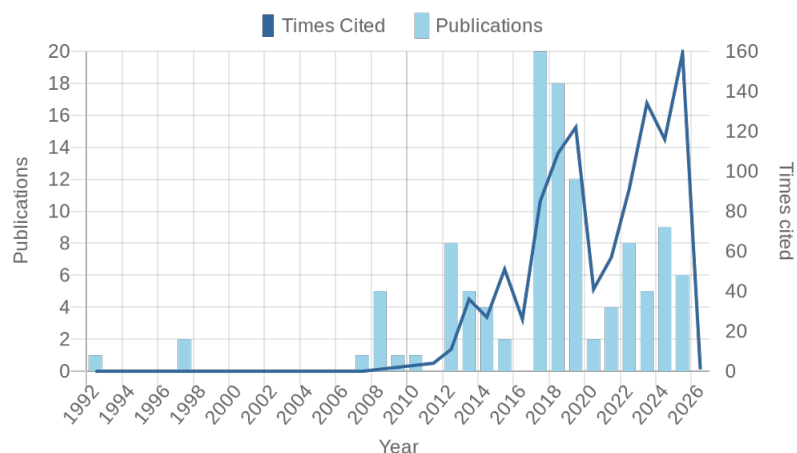
178

Total Publications

114

Web of Science Core Collection Publications

Publication Impact Over Time



Publishing Summary

For manuscripts published from date range January 1990 - January 2026

(22) IOP Conference Series: Material...	(18) Revista de Chimie
(11) Applied Mechanics and Materials	(10) MATEC Web of Conferences
(10) Industrial Applications of Green...	(8) Materials
(7) Quality - Access to Success	(6) Sustainability
(6) Archives of Metallurgy and Mate...	(5) Coatings
(4) Advanced Materials Research	(4) Materiale Plastice
(4) Applied Sciences	(4) Springer Proceedings in Materials
(4) Key Engineering Materials	(3) Journal of Physics: Conference S...
(3) Annals of the Academy of Roma...	(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) Thermec: International Conferen...
(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) Acta Universitatis Cibiniensis. Te...
(1) Journal of Applied Mathematics	(1) Energy

Publications

For manuscripts published from date range January 1990 - January 2026
(166)

Times Cited
(All time)

Research trends in polymer matrix composites used for personal protective equipment: A bibliometric analysis

Authors (5): Cristian-Stefan Bunduc; Mihai-Adrian Bernevig ... Costică Bejinariu

Published: Dec 2025 in MATEC Web of Conferences

DOI: 10.1051/MATECCONF/202541800012

Not indexed in
the Web of
Science

WORK SAFETY SELF-ASSESSMENT (PART III). APPLICATIONS: Work Means / Work Equipment; Work Environment by Workplaces / Workstations

Authors (6): Gheorghe Asachi Technical University of Iasi; Academy of Romanian Scientists; Costică Bejinariu ... Lucian Blaga University of Sibiu; Academy of Romanian Scientists

Published: Dec 2025 in Annals of the Academy of Romanian Scientists Series on Engineering Sciences

DOI: 10.56082/ANNALSARSCIENG.2025.2.149

Not indexed in
the Web of
Science

Micromorphology and properties of novel phosphate conversion coatings based on zinc-magnesium and zinc-zirconium deposited on Ti6Al4V

Authors (8): Burduhos-Nergis, Diana-Petronela; Munteanu, Corneliu ... Burduhos-Nergis, Dumitru-Doru

Published: Nov 2025 in Surfaces and Interfaces

DOI: 10.1016/J.SURFIN.2025.107884

Accession Number: WOS:001607891900003

0

Tribological Characterization of Zn-Zr-Sr Conversion Coatings Deposited on Ti6Al4V

Authors (5): Diana-Petronela Burduhos-Nergis; Anca Cazac ... Costica Bejinariu

Published: Oct 2025 in Springer Proceedings in Materials

DOI: 10.1007/978-3-032-08769-0_4

Not indexed in
the Web of
Science

Strontium Phosphate Used in Biomedical Applications: A Short Review

Authors (5): Anca Cazac; Diana-Petronela Burduhos-Nergis ... Costica Bejinariu

Published: Oct 2025 in Springer Proceedings in Materials

DOI: 10.1007/978-3-032-08769-0_1

Not indexed in
the Web of
Science

Obtaining and Characterization of Phosphate Layers on the Surface of Steels for Reinforced Concrete

Authors (3): Petru LAZAR; Alin-Marian CAZAC; Costica BEJINARIU

Published: Oct 2025 in Industrial Applications of Green Solvents, Vol I

DOI: 10.21741/9781644903810

Not indexed in
the Web of
Science

Assessment of steam turbine performance degradation in long-term operation

1

Authors (9): Dosa, Ion; Petrilean, Dan Codrut ... Bejinariu, Costica

Published: Jul 2025 in Energy

DOI: 10.1016/J.ENERGY.2025.136491

Accession Number: WOS:001491390700004

Effect of Zinc, Magnesium, and Manganese Phosphate Coatings on the Corrosion Behaviour of Steel

0

Authors (11): Cazac, Alin-Marian; Cioca, Lucian-Ionel ... Milea (Parvu), Adriana

Published: Jul 2025 in Materials

DOI: 10.3390/MA18133126

Accession Number: WOS:001527264500001

Sustainability Management Through the Assessment of Instability and Insecurity Risk Scenarios in Romania's Energy Critical Infrastructures

2

Authors (11): Petrilean, Dan Codrut; Fita, Nicolae Daniel ... Bejinariu, Costica

Published: Mar 2025 in Sustainability

DOI: 10.3390/SU17072932

Accession Number: WOS:001465626500001

New Shock-Resistant Materials for Work Equipment used in Potentially Explosive Atmospheres

Not indexed in
the Web of
Science

Authors (1): Romeo-Gabriel CHELARIU

Published: Jan 2025 in Industrial Applications of Green Solvents, Vol I

DOI: 10.21741/9781644903872

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

1

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

Published: Jan 2025 in Materials

DOI: 10.3390/MA18020400

Accession Number: WOS:001404250000001

Strontium phosphate conversion coatings: A short review

Not indexed in
the Web of
Science

Authors (5): Anca Cazac; Diana-Petronela Burduhos-Nergis ... Costica Bejinariu

Published: 2025 in Proceedings - International October Conference on Mining and Metallurgy, Borsko Jezero, 22-25.10.

DOI: 10.5937/IOC25343C

Investigation of CuTi Alloy for Applications as Non-Sparking Material

3

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

Published: Dec 2024 in Applied Sciences

DOI: 10.3390/APP142411574

Electrochemical Corrosion Resistance of Al₂O₃-YSZ Coatings on Steel Substrates 4

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

Published: Dec 2024 in Applied Sciences

DOI: 10.3390/APP142310877

Accession Number: WOS:001376235400001

Impact of Personal Protective Equipment Use on Stress and Psychological Well-Being Among Firefighters: Systematic Review and Meta-Analysis 2

Authors (6): Darabont, Doru Costin; Cioca, Lucian-Ionel ... Chis, Timur Vasile

Published: Nov 2024 in Sustainability

DOI: 10.3390/SU16229666

Accession Number: WOS:001366118200001

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

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the Web of
Science

Mechanical Properties and Wear Resistance of Biodegradable ZnMgY Alloy 3

Authors (11): Cimpoesu, Nicanor; Paleu, Viorel ... Zegan, Georgeta

Published: Jul 2024 in Metals

DOI: 10.3390/MET14070836

Accession Number: WOS:001277266300001

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

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the Web of
Science

MICROHARDNESS AND ELASTIC PROPERTIES EVALUATION OF WC-TiC COATINGS OBTAINED BY ARC SPRAYING PROCESS 1

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

Analysis of Chemical, Microstructural and Mechanical Properties of a CuAlBe Material Regarding Its Role as a Non-Sparking Material 1

Authors (12): Chelariu, Romeo Gabriel; Cimpoesu, Ramona ... Bejinariu, Costica

Published: May 2024 in Materials

DOI: 10.3390/MA17102220

Accession Number: WOS:001231779300001

<p>STRUCTURAL AND MECHANICAL PROPERTIES OF HOT ROLLED CuAlBe NON-SPARK ALLOY</p> <p>Authors (9): Chelariu, G. R.; Cimpoesu, N. ... Bejinariu, C.</p> <p>Published: Apr 2024 in Archives of Metallurgy and Materials</p> <p>DOI: 10.24425/AMM.2024.147817</p> <p>Accession Number: WOS:001220480900009</p>	1
<p>Microstructural and Mechanical Properties Analysis of Phosphate Layers Deposited on Steel Rebars for Civil Constructions</p> <p>Authors (11): Lazar, Petru; Cimpoesu, Nicanor ... Bejinariu, Costica</p> <p>Published: Feb 2024 in Coatings</p> <p>DOI: 10.3390/COATINGS14020182</p> <p>Accession Number: WOS:001172369600001</p>	2
<p>INCDPM Method for Assessing the Risks of Occupational Injury and Illness at Work</p> <p>Authors (3): Costica Bejinariu; Doru Costin Darabont; Diana-Petronela Burduhos-Nergis</p> <p>Published: Jan 2024 in Occupational Health and Safety</p> <p>DOI: 10.2174/9789815165524124010010</p>	Not indexed in the Web of Science
<p>Health and Safety Performance Monitoring and Measuring</p> <p>Authors (2): Doru Costin Darabont; Costica Bejinariu</p> <p>Published: Jan 2024 in Occupational Health and Safety</p> <p>DOI: 10.2174/9789815165524124010009</p>	Not indexed in the Web of Science
<p>WORK SAFETY SELF-ASSESSMENT (PART II). APPLICATION, WORKER</p> <p>Authors (7): Gheorghe Asachi Technical University of Iasi, Iasi, Romania; Costică BEJINARIU ... Lucian Blaga University of Sibiu, Romania; Academy of Romanian Scientists, Romania</p> <p>Published: 2024 in Annals of the Academy of Romanian Scientists Series on Engineering Sciences</p> <p>DOI: 10.56082/ANNALSARSCIENG.2024.2.119</p>	Not indexed in the Web of Science
<p>Optical evaluation of the surfaces of the CuAlBe samples after the test of resistance to harsh wear stresses in an explosive atmosphere</p> <p>Authors (5): Chelariu, R.G.; Cimpoesu, N. ... Bejinariu, C.</p> <p>Published: 2024 in MATEC Web of Conferences</p> <p>DOI: 10.1051/MATECCONF/202438900067</p> <p>Accession Number: INSPEC:25340872</p>	1
<p>CONSTITUTIVE MATERIAL LAWS IN THE MULTIFRACTAL THEORY OF MOTION (PART II)</p> <p>Authors (11): Agop, Stefana; Paun, Maria-Alexandra ... Paun, Viorel-Puiu</p> <p>Published: 2024 in UPB Scientific Bulletin, Series A: Applied Mathematics and Physics</p> <p>Accession Number: WOS:001310032700001</p>	0
<p>Phosphate Conversion Coatings for Biomaterials: A Bibliometric Analysis</p> <p>Authors (6): Diana-Petronela Burduhos-Nergis; Andrei Victor Sandu ... Costica Bejinariu</p> <p>Published: Oct 2023 in Springer Proceedings in Materials</p>	Not indexed in the Web of Science

Tribological Characterization of Phosphate Coatings Deposited on Ti6Al4V
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

Not indexed in
the Web of
Science

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

4

Authors (6): Burduhos-Nergis, Diana-Petronela; Cimpoesu, Nicanor ... Bejinariu, Costica
Published: Jun 2023 in Coatings
DOI: 10.3390/COATINGS13061029
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

1

Authors (5): Bejinariu, Costica; Darabont, Doru-Costin ... Chiriac-Moruzzi, Cristiana
Published: Feb 2023 in Sustainability
DOI: 10.3390/SU15032121
Accession Number: WOS:000930875800001

Structural and mechanical characterization of as-cast CuAlBe alloy

2

Authors (8): Gabriel Chelariu, R.; Benchea, M. ... Bejinariu, C.
Published: Jan 2023 in Materials Today: Proceedings
DOI: 10.1016/J.MATPR.2022.10.106
Accession Number: INSPEC:23147407

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

3

Authors (10): Rotundu, Ana; Agop, Stefana ... Paun, Viorel-Puiu
Published: 2023 in UPB Scientific Bulletin, Series A: Applied Mathematics and Physics
Accession Number: WOS:001133100100001

XRD and STA Characterization of Phosphate Layers Deposited on the Carbon Steel Surface

1

Authors (5): Burduhos-Nergis, D. -P.; Bejinariu, C. ... Vizureanu, P.
Published: 2023 in Archives of Metallurgy and Materials
DOI: 10.24425/AMM.2023.145459
Accession Number: WOS:001106664500006

PHOSPHATE CONVERSION COATING - A SHORT REVIEW

8

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
Accession Number: WOS:001106664500019

<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>	10
<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>	167
<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>	2
<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>	6
<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>	50
<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>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>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>Accession Number: WOS:000736371900001</p>	8
<p>Phosphate Coatings: EIS and SEM Applied to Evaluate the Corrosion Behavior of Steel in Fire Extinguishing Solution</p> <p>Authors (5): Burduhos-Nergis, Diana-Petronela; Vasilescu, Gabriel Dragos ... Bejinariu, Costica</p> <p>Published: Sep 2021 in Applied Sciences</p> <p>DOI: 10.3390/APP11177802</p> <p>Accession Number: WOS:000694140300001</p>	9
<p>Phosphating Depositions for Equipment's Used in Explosive Atmospheres</p> <p>Authors (6): Diana-Petronela Burduhos-Nergis; Adrian-Marius Jurca ... Costica Bejinariu</p> <p>Published: Aug 2021 in MATEC Web of Conferences</p> <p>DOI: 10.1051/MATECCONF/202134310011</p>	Not indexed in the Web of Science
<p>Analysis of non-sparking metallic materials for potentially explosive atmospheres</p> <p>Authors (6): Romeo Gabriel Chelariu; Costica Bejinariu ... Nicanor Cimpoesu</p> <p>Published: Aug 2021 in MATEC Web of Conferences</p> <p>DOI: 10.1051/MATECCONF/202134310014</p>	Not indexed in the Web of Science
<p>The influence of economic factors in the management of health and safety specific to SMEs</p> <p>Authors (4): Gabriela Caldarescu; George Daniel Tanasievici ... Mihai-Adrian Bernevig</p> <p>Published: Jul 2021 in MATEC Web of Conferences</p> <p>DOI: 10.1051/MATECCONF/202134201019</p>	Not indexed in the Web of Science
<p>Automotive Brake Disc Materials</p> <p>Authors (4): Costel FLOREA; Costica BEJINARIU ... Ramona CIMPOESU</p> <p>Published: Jul 2021 in Industrial Applications of Green Solvents, Vol I</p> <p>DOI: 10.21741/9781644901458</p>	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	Not indexed in the Web of Science
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	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 Authors (8): Vasilescu, Gabriel Dragos; Petrilean, Codrut Dan ... Bejinariu, Costica Published: Feb 2021 in Sustainability DOI: 10.3390/SU13031105 Accession Number: WOS:000615650700001	4
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
Immersion Behavior of Carbon Steel, Phosphate Carbon Steel and Phosphate and Painted Carbon Steel in Saltwater Authors (3): Bejinariu, Costica; Burduhos-Nergis, Diana-Petronela; Cimpoesu, Nicanor Published: Jan 2021 in Materials DOI: 10.3390/MA14010188 Accession Number: WOS:000606063000001	26
Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing Authors (4): Burduhos-Nergis, Diana-Petronela; Vizureanu, Petrica ... Bejinariu, Costica Published: Aug 2020 in Materials DOI: 10.3390/MA13153410 Accession Number: WOS:000559047800001	25
Characterization of Zinc and Manganese Phosphate Layers Deposited on the Carbon Steel Surface Authors (5): Burduhos-Nergis, D.P.; Cazac, A.M. ... Bejinariu, C.	3

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

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

Not indexed in
the Web of
Science

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

Accession Number: WOS:000533352100117

36

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

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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the Web of
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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

Accession Number: WOS:000569367700133

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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

Accession Number: WOS:000569367700137

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Technical requirements and materials used in firefighters gloves manufacturing

Authors (5): C Arvinte; A V Sandu ... C Bejinariu

Not indexed in
the Web of
Science

Published: Jul 2019 in IOP Conference Series: Materials Science and Engineering
DOI: 10.1088/1757-899X/572/1/012070

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

Not indexed in
the Web of
Science

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

Not indexed in
the Web of
Science

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

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the Web of
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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 Baci; C Bejinariu ... E R Baci

Published: Jul 2019 in IOP Conference Series: Materials Science and Engineering

DOI: 10.1088/1757-899X/572/1/012054

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

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

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

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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

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MICROSTRUCTURAL CHANGES IN TIG/MIG WELDED JOINTS ON 4XXX CAST ALUMINUM ALLOYS	0
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<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
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<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
<p>Effects of nanoparticle clustering on the heat transport in nanofluids through fractal theories</p> <p>Authors (5): Girtu, Manuela; Agop, Maricel ... Popa, Camelia</p> <p>Published: Feb 2008 in Revista de Chimie</p> <p>DOI: 10.37358/RC.08.2.1732</p> <p>Accession Number: WOS:000254801400014</p>	1
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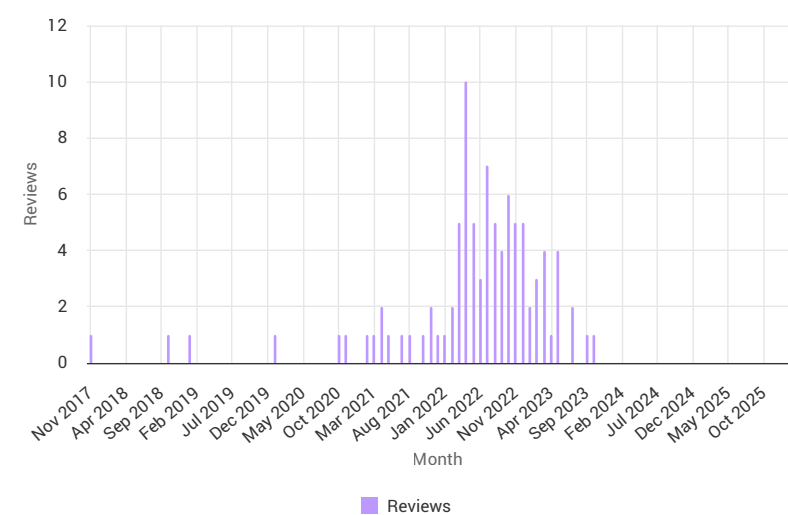
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The diffractographic study of remaining stresses for drawn of wires made by
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Authors (5): Susan, M; Munteanu, C ... Comaneci, R
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CONFERENCE ON ADVANCED MATERIALS AND PROCESSES AND
APPLICATIONS: MATERIALS, FUNCTIONALITY & DESIGN, VOL 4
Accession Number: WOS:A1997BJ43P00055

METHOD FOR THE TENSIOMETRICAL MEASUREMENT OF THE FORCES ON THE
CHUCKS JAWS 0
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Verified Reviews

Review Summary



Reviewer Summary

For manuscripts reviewed from date range January 1990 - January 2026

(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	

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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 (NH₄)₂ZrF₆ 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

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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

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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
