

# Andrei Victor Sandu

## List of Publications by Year in descending order

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Version: 2024-02-01

208  
papers

2,094  
citations

257450

24  
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212  
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212  
docs citations

212  
times ranked

1586  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Effect of Solids-To-Liquids, Na <sub>2</sub> SiO <sub>3</sub> -To-NaOH and Curing Temperature on the Palm Oil Boiler Ash (Si +) Tj ETQq1 1.0.784314.rgBT /Over                                       | 2.9 | 163       |
| 2  | Strength development of solely ground granulated blast furnace slag geopolymers. Construction and Building Materials, 2020, 250, 118720.   | 7.2 | 82        |
| 3  | XRD and TG-DTA Study of New Alkali Activated Materials Based on Fly Ash with Sand and Glass Powder. Materials, 2020, 13, 343.  | 2.9 | 63        |
| 4  | In situ preparation of CoFe <sub>2</sub> O <sub>4</sub> â€“Pb(ZrTi)O <sub>3</sub> multiferroic composites by gel-combustion technique. Journal of the European Ceramic Society, 2009, 29, 2807-2813. | 5.7 | 55        |
| 5  | Relation between Density and Compressive Strength of Foamed Concrete. Materials, 2021, 14, 2967.   | 2.9 | 47        |
| 6  | Potential of Soil Stabilization Using Ground Granulated Blast Furnace Slag (GGBFS) and Fly Ash via Geopolymerization Method: A Review. Materials, 2022, 15, 375.                                     | 2.9 | 46        |
| 7  | Characterization and Mechanical Proprieties of New TiMo Alloys Used for Medical Applications. Materials, 2019, 12, 2973.   | 2.9 | 44        |
| 8  | Biocompatible Titanium Alloys used in Medical Applications. Revista De Chimie (discontinued), 2019, 70, 1302-1306.   | 0.4 | 43        |
| 9  | Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature. Materials, 2020, 13, 1015.  | 2.9 | 42        |
| 10 | A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment. Materials, 2021, 14, 7456.  | 2.9 | 42        |
| 11 | XRD and TG-DTA Study of New Phosphate-Based Geopolymers with Coal Ash or Metakaolin as Aluminosilicate Source and Mine Tailings Addition. Materials, 2022, 15, 202.                                  | 2.9 | 38        |
| 12 | Self-Cleaning Technology in Fabric: A Review. IOP Conference Series: Materials Science and Engineering, 2016, 133, 012028.   | 0.6 | 36        |
| 13 | Design of Experiment on Concrete Mechanical Properties Prediction: A Critical Review. Materials, 2021, 14, 1866.   | 2.9 | 35        |
| 14 | Evaluation of the Corrosion Resistance of Phosphate Coatings Deposited on the Surface of the Carbon Steel Used for Carabiners Manufacturing. Applied Sciences (Switzerland), 2020, 10, 2753.         | 2.5 | 34        |
| 15 | New Titanium Alloys, Promising Materials for Medical Devices. Materials, 2021, 14, 5934.   | 2.9 | 33        |
| 16 | Revealing the Influence of Microparticles on Geopolymersâ€™™ Synthesis and Porosity. Materials, 2020, 13, 3211.  | 2.9 | 32        |
| 17 | Assessment of the Suitability of Ceramic Waste in Geopolymer Composites: An Appraisal. Materials, 2021, 14, 3279.  | 2.9 | 32        |
| 18 | New Tiâ€“Moâ€“Si materials for bone prosthesis applications. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 113, 104198.  | 3.1 | 31        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Complementary cross-section based protocol of investigation of polychrome samples of a 16th century Moravian Sculpture by optical, vibrational and mass spectrometric techniques. <i>Microchemical Journal</i> , 2013, 110, 538-544.   | 4.5 | 30        |
| 20 | SEM and EDX studies of bioactive hydroxyapatite coatings on titanium implants. <i>Micron</i> , 2009, 40, 143-146.  | 2.2 | 28        |
| 21 | Microstructural Analysis and Tribological Behavior of Ti-Based Alloys with a Ceramic Layer Using the Thermal Spray Method. <i>Coatings</i> , 2020, 10, 1216.   | 2.6 | 27        |
| 22 | Functional properties of nickel cobalt oxide thin films. <i>Thin Solid Films</i> , 2011, 520, 651-655.   | 1.8 | 26        |
| 23 | The Effect of Various Waste Materials's Contents on the Attenuation Level of Anti-Radiation Shielding Concrete. <i>Materials</i> , 2013, 6, 4836-4846.   | 2.9 | 26        |
| 24 | Effect of Ta on the electrochemical behavior of new TiMoZrTa alloys in artificial physiological solution simulating in vitro inflammatory conditions. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2016, 67, 1314-1320. | 1.5 | 26        |
| 25 | Characterisation at the Bonding Zone between Fly Ash Based Geopolymer Repair Materials (GRM) and Ordinary Portland Cement Concrete (OPCC). <i>Materials</i> , 2021, 14, 56.  | 2.9 | 26        |
| 26 | Heat evolution of alkali-activated materials: A review on influence factors. <i>Construction and Building Materials</i> , 2022, 314, 125651.   | 7.2 | 26        |
| 27 | Influence of In doping on electro-optical properties of ZnO films. <i>Bulletin of Materials Science</i> , 2013, 36, 231-237.   | 1.7 | 25        |
| 28 | Effect Of Crumb Rubber On Compressive Strength Of Fly Ash Based Geopolymer Concrete. <i>MATEC Web of Conferences</i> , 2016, 78, 01063.  | 0.2 | 25        |
| 29 | Performance and Characterization of Geopolymer Concrete Reinforced with Short Steel Fiber. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 209, 012038.  | 0.6 | 24        |
| 30 | Biomimetic Deposition of Hydroxyapatite Layer on Titanium Alloys. <i>Micromachines</i> , 2021, 12, 1447.   | 2.9 | 24        |
| 31 | Phosphate Surface Treatment for Improving the Corrosion Resistance of the C45 Carbon Steel Used in Carabiners Manufacturing. <i>Materials</i> , 2020, 13, 3410.  | 2.9 | 23        |
| 32 | In-depth assessment of new Ti-based biocompatible materials. <i>Materials Chemistry and Physics</i> , 2021, 258, 123959.   | 4.0 | 23        |
| 33 | Self-cleaning geopolymer concrete - A review. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 133, 012026.   | 0.6 | 21        |
| 34 | Mechanical and Durability Analysis of Fly Ash Based Geopolymer with Various Compositions for Rigid Pavement Applications. <i>Materials</i> , 2022, 15, 3458.   | 2.9 | 21        |
| 35 | Preliminary Tests for Ti-Mo-Zr-Ta Alloys as Potential Biomaterials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 374, 012023.   | 0.6 | 20        |
| 36 | Assessment of the Effects of Si Addition to a New TiMoZrTa System. <i>Materials</i> , 2021, 14, 7610.  | 2.9 | 20        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | The Pozzoolanic Activity Level of Powder Waste Glass in Comparisons with other Powders. Key Engineering Materials, 0, 660, 237-243.                                | 0.4 | 18        |
| 38 | Microstructural Analysis and Tribological Behavior of AMDRY 1371 (Mo-NiCrFeBSiC) Atmospheric Plasma Spray Deposited Thin Coatings. Coatings, 2020, 10, 1186.       | 2.6 | 18        |
| 39 | Design, Synthesis, and Preliminary Evaluation for Ti-Mo-Zr-Ta-Si Alloys for Potential Implant Applications. Materials, 2021, 14, 6806.                             | 2.9 | 18        |
| 40 | A Review on Fly Ash as a Raw Cementitious Material for Geopolymer Concrete. Revista De Chimie (discontinued), 2018, 69, 1661-1667.                                 | 0.4 | 17        |
| 41 | Tool Wear and Surface Evaluation in Drilling Fly Ash Geopolymer Using HSS, HSS-Co, and HSS-TiN Cutting Tools. Materials, 2021, 14, 1628.                           | 2.9 | 16        |
| 42 | Potential Applications of Geopolymer Cement-Based Composite as Self-Cleaning Coating: A Review. Coatings, 2022, 12, 133.   | 2.6 | 16        |
| 43 | Mechanical Characterization and In Vitro Assay of Biocompatible Titanium Alloys. Micromachines, 2022, 13, 430.   | 2.9 | 16        |
| 44 | The Influence of Sintering Temperature on the Pore Structure of an Alkali-Activated Kaolin-Based Geopolymer Ceramic. Materials, 2022, 15, 2667.                    | 2.9 | 16        |
| 45 | SEM-EDX and microftir studies on evaluation of protection capacity of some thin phosphate layers. Microscopy Research and Technique, 2012, 75, 1711-1716.          | 2.2 | 15        |
| 46 | Review on Characterization and Mechanical Performance of Self-cleaning Concrete. MATEC Web of Conferences, 2017, 97, 01022.  | 0.2 | 15        |
| 47 | Interrelationship of Kaolin, Alkaline Liquid Ratio and Strength of Kaolin Geopolymer. IOP Conference Series: Materials Science and Engineering, 2016, 133, 012004. | 0.6 | 14        |
| 48 | A Review on Fly Ash Based Geopolymer Rubberized Concrete. Key Engineering Materials, 0, 700, 183-196.  | 0.4 | 14        |
| 49 | Properties and Behavior of Geopolymer Concrete Subjected to Explosive Air Blast Loading: A Review. MATEC Web of Conferences, 2017, 97, 01019.                      | 0.2 | 14        |
| 50 | Design of Experiment in the Milling Process of Aluminum Alloys in the Aerospace Industry. Applied Sciences (Switzerland), 2020, 10, 6951.                          | 2.5 | 14        |
| 51 | Freeze-Thaw Effect on Road Concrete Containing Blast Furnace Slag: NMR Relaxometry Investigations. Materials, 2021, 14, 3288.                                      | 2.9 | 14        |
| 52 | Recent Developments in Steelmaking Industry and Potential Alkali Activated Based Steel Waste: A Comprehensive Review. Materials, 2022, 15, 1948.                   | 2.9 | 14        |
| 53 | Potential of Rapid Tooling in Rapid Heat Cycle Molding: A Review. Materials, 2022, 15, 3725.   | 2.9 | 14        |
| 54 | Low field permittivity of ferroelectric-ferrite ceramic composites: Experiment and modeling. Journal of Applied Physics, 2012, 112, .                              | 2.5 | 13        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Fly Ash Based Lightweight Geopolymer Concrete Using Foaming Agent Technology. <i>Applied Mechanics and Materials</i> , 0, 679, 20-24.   | 0.2 | 12        |
| 56 | The Electrical Resistivity of Geopolymer Paste by Using Wenner Four Probe Method. <i>Key Engineering Materials</i> , 0, 660, 28-33.   | 0.4 | 12        |
| 57 | Microstructural analysis of biodegradable Mg-0.9Ca-1.2Zr alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 147, 012033.  | 0.6 | 12        |
| 58 | Thermal Insulation Properties of Insulated Concrete. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 3027-3031.   | 0.4 | 12        |
| 59 | Microstructure Studies on Different Types of Geopolymer Materials. <i>Applied Mechanics and Materials</i> , 0, 421, 384-389.  | 0.2 | 11        |
| 60 | Improvement of the Turbine Blade Surface Phase Structure Recovered by Plasma Spraying. <i>Coatings</i> , 2020, 10, 62.  | 2.6 | 11        |
| 61 | The Galvanic Corrosion Behavior of Phosphated Carbon Steel Used at Carabiners Manufacturing. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 215-219.   | 0.4 | 11        |
| 62 | SEM, XPS Studies, and Magnetoresistance Properties of Co, Ni, Co <sup>16</sup> N, and Ni <sup>16</sup> N Thin Films Prepared by Electrodeposition. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 469-475. | 1.8 | 10        |
| 63 | Characterisation and understanding of Portland cement mortar with different sizes of bottom ash. <i>Advances in Cement Research</i> , 2018, 30, 66-74.  | 1.6 | 10        |
| 64 | Influence of Foaming Agent/Water Ratio and Foam/Geopolymer Paste Ratio to the Properties of Fly Ash-based Lightweight Geopolymer for Brick Application. <i>Revista De Chimie (discontinued)</i> , 2017, 68, 1978-1982.          | 0.4 | 10        |
| 65 | Compressive Strength and Thermal Conductivity of Fly Ash Geopolymer Concrete Incorporated with Lightweight Aggregate, Expanded Clay Aggregate and Foaming Agent. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 4021-4028. | 0.4 | 10        |
| 66 | Corrosion of Mild Steel by Urban River Water. <i>Instrumentation Science and Technology</i> , 2015, 43, 545-557.  | 1.8 | 9         |
| 67 | Effect of Mixing Temperature on Characteristics of Thermoplastic Potato Starch Film. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 374, 012083.   | 0.6 | 9         |
| 68 | Formation and Growth of Intermetallic Compounds in Lead-Free Solder Joints: A Review. <i>Materials</i> , 2022, 15, 1451.  | 2.9 | 9         |
| 69 | Colorimetric and microscopic study of the thermal behavior of new ceramic pigments. <i>Microscopy Research and Technique</i> , 2013, 76, 564-571.   | 2.2 | 8         |
| 70 | Authentication of a Painting by Nicolae Grigorescu Using Modern Multi-Analytical Methods. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3558.   | 2.5 | 8         |
| 71 | Performance of Sn-3.0Ag-0.5Cu Composite Solder with Kaolin Geopolymer Ceramic Reinforcement on Microstructure and Mechanical Properties under Isothermal Ageing. <i>Materials</i> , 2021, 14, 776.                              | 2.9 | 8         |
| 72 | Dynamic Mechanical Properties of Hybrid Layered Silicates/Kaolin Geopolymer Filler in Epoxy Composites. <i>Materiale Plastice</i> , 2017, 54, 543-545.  | 0.8 | 8         |

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|----|--|-----|-----------|
| 73 | Tunneling magnetoresistance in Co <sup>0.5</sup> Ni <sup>0.5</sup> /Al granular thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 167, 119-123.  | 3.5 | 7         |
| 74 | Effect of nitrogen addition on the morphology, magnetic and magnetoresistance properties of electrodeposited Co, Ni and Co <sup>0.5</sup> Ni <sup>0.5</sup> granular thin films onto aluminum substrates. <i>Materials Chemistry and Physics</i> , 2011, 130, 327-333.   | 4.0 | 7         |
| 75 | Obtaining and Mechanical Properties of Ti-Mo-Zr-Ta Alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 209, 012019.  | 0.6 | 7         |
| 76 | Noninvasive Evaluation of Special Alloys for Prostheses Using Complementary Methods. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 374, 012030.  | 0.6 | 7         |
| 77 | Shock Resistance Improvement of Carbon Steel Carabiners Used at PPE. <i>MATEC Web of Conferences</i> , 2019, 290, 12004.   | 0.2 | 7         |
| 78 | Influence of TiO <sub>2</sub> Nanoparticles Addition on the Hydrophilicity of Cementitious Composites Surfaces. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4501.  | 2.5 | 7         |
| 79 | Investigation into the Effect of Thermal Treatment on the Obtaining of Magnetic Phases: Fe <sub>5</sub> Y, Fe <sub>23</sub> B <sub>6</sub> , Y <sub>2</sub> Fe <sub>14</sub> B and $\text{I}\pm\text{Fe}$ within the Amorphous Matrix of Rapidly-Quenched Fe <sub>61+x</sub> Co <sub>10</sub> <sup>x</sup> W <sub>1</sub> Y <sub>8</sub> B <sub>20</sub> Alloys (Where x = 0, 1 or 2). <i>Materials</i> , 2020, 13, 835. | 2.9 | 7         |
| 80 | Effect of Electromigration and Thermal Ageing on the Tin Whiskers <sup>TM</sup> Formation in Thin Sn <sup>0.7</sup> Cu <sup>0.05</sup> Ga Lead (Pb)-Free Solder Joints. <i>Coatings</i> , 2021, 11, 935.   | 2.6 | 7         |
| 81 | Mechanism of Cement Paste with Different Particle Sizes of Bottom Ash as Partial Replacement in Portland Cement. <i>Revista De Chimie (discontinued)</i> , 2017, 68, 2367-2372.  | 0.4 | 7         |
| 82 | Study of the atypical formations in the corrosion bulks of an ancient bronze shield, by optical and electron microscopy. <i>Microscopy Research and Technique</i> , 2012, 75, 1467-1474.   | 2.2 | 6         |
| 83 | Preparation and magnetic properties of electrodeposited [Co/Zn] multilayer films. <i>Materials Chemistry and Physics</i> , 2012, 131, 561-568.   | 4.0 | 6         |
| 84 | Replacement of Lead by Green Tungsten-Brass Composites as a Radiation Shielding Material. <i>Applied Mechanics and Materials</i> , 0, 679, 39-44.  | 0.2 | 6         |
| 85 | Influence of type of precursors on the sol-gel synthesis of the LaCoO <sub>3</sub> nanoparticles. <i>Acta Chemica Iasi</i> , 2014, 22, 1-12.   | 0.1 | 6         |
| 86 | Durability of metakaolin geopolymers with various sodium silicate/sodium hydroxide ratios against seawater exposure. <i>AIP Conference Proceedings</i> , 2017, , .   | 0.4 | 6         |
| 87 | Image Analysis of Surface Porosity Mortar Containing Processed Spent Bleaching Earth. <i>Materials</i> , 2021, 14, 1658.   | 2.9 | 6         |
| 88 | The Magnetisation Process of Bulk Amorphous Alloys: Fe <sub>36+x</sub> Co <sub>36</sub> <sup>x</sup> Y <sub>8</sub> B <sub>20</sub> , Where: x = 0, 3, 7, or 12. <i>Materials</i> , 2020, 13, 846.   | 2.9 | 6         |
| 89 | Obtaining and Characterization of New Materials. <i>Materials</i> , 2021, 14, 6606.  | 2.9 | 6         |
| 90 | Establishing the archaeo-metallurgic ornamentation process of an axe from the bronze age by OM, SEM-EDX, and Micro-FTIR. <i>Microscopy Research and Technique</i> , 2014, 77, 918-927.   | 2.2 | 5         |

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|-----|--|-----|-----------|
| 91  | The influence of NaCl aerosols on weight and height development of children. Environmental Monitoring and Assessment, 2015, 187, 15.   | 2.7 | 5         |
| 92  | Analysis of the Thermal and Magnetic Properties of Amorphous Fe <sub>61</sub> Co <sub>10</sub> Zr <sub>2.5</sub> Hf <sub>2.5</sub> Me <sub>2</sub> W <sub>2</sub> B <sub>2</sub> O (Where) Tj ETQq0,0,0 rgBT <sub>5</sub> Overlock   | 0.6 | 5         |
| 93  | New Ecological Solutions Involved in the Cleaning of a 19th Century Icon. Applied Sciences (Switzerland), 2020, 10, 1175.  | 2.5 | 5         |
| 94  | Effect of Ni on the Suppression of Sn Whisker Formation in Sn-0.7Cu Solder Joint. Materials, 2021, 14, 738.  | 2.9 | 5         |
| 95  | Geopolymer coating paste on concrete for photocatalytic performance. AIP Conference Proceedings, 2021, , .   | 0.4 | 5         |
| 96  | RESEARCH ON NaCl SALINE AEROSOLS I. NATURAL AND ARTIFICIAL SOURCES AND THEIR IMPLICATIONS. Environmental Engineering and Management Journal, 2010, 9, 881-888.   | 0.6 | 5         |
| 97  | Experimental Study on the Influence of Zirconia Surface Preparation on Deposition of Hydroxyapatite. Revista De Chimie (discontinued), 2019, 70, 2273-2275.  | 0.4 | 5         |
| 98  | Improvement of Properties of Aluminum Bronze CuAl <sub>7</sub> Mn <sub>3</sub> by Heat Treatments. Applied Mechanics and Materials, 2014, 657, 412-416.  | 0.2 | 4         |
| 99  | The reactivity of Ti <sub>10</sub> Zr alloy in biological and electrochemical systems in the presence of chitosan. RSC Advances, 2017, 7, 13919-13927.   | 3.6 | 4         |
| 100 | Study on Fired Clay Bricks by Replacing Clay with Palm Oil Waste: Effects on Physical and Mechanical Properties. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012037.  | 0.6 | 4         |
| 101 | The Taguchi Method Application to Improve the Quality of a Sustainable Process. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012054.   | 0.6 | 4         |
| 102 | Relationship between the shape of X-ray diffraction patterns and magnetic properties of bulk amorphous alloys Fe <sub>65</sub> Nb <sub>5</sub> Y <sub>5</sub> +xHf <sub>5</sub> -xB <sub>2</sub> O (where: xA= 0, 1,2, 3, 4, 5). Journal of Alloys and Compounds, 2020, 820, 153420. | 5.5 | 4         |
| 103 | Effect of Solid-to-Liquid Ratio on Thin Fly Ash Geopolymer. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012006.   | 0.6 | 4         |
| 104 | Sodium-Based Chitosan Polymer Embedded with Copper Selenide (CuSe) Flexible Film for High Electromagnetic Interference (EMI) Shielding Efficiency. Magnetochemistry, 2021, 7, 102.   | 2.4 | 4         |
| 105 | RESEARCH ON NaCl SALINE AEROSOLS II. NEW ARTIFICIAL HALOCHAMBER CHARACTERISTICS. Environmental Engineering and Management Journal, 2010, 9, 1105-1113.   | 0.6 | 4         |
| 106 | The Choice of Recycling Methods for Single-Polymer Polyester Composites. Materiale Plastice, 2018, 55, 658-665.  | 0.8 | 4         |
| 107 | Galvanic Corrosion Behaviour of Phosphate Nodular Cast Iron in Different Types of Residual Waters and Couplings. Revista De Chimie (discontinued), 2019, 70, 3597-3602.  | 0.4 | 4         |
| 108 | Behavior of Alkali-Activated Fly Ash through Underwater Placement. Materials, 2021, 14, 6865.  | 2.9 | 4         |

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|-----|---|-----|-----------|
| 109 | Investigation of Structural, Magnetic and Magnetotransport Properties of Electrodeposited Co/TiO <sub>2</sub> Nanocomposite Films. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2377-2387.                       | 1.8 | 3         |
| 110 | The Effects of the Thermal Treatment on the Structural and Magnetic Properties of Zn-Co Alloys Prepared by Electrochemical Deposition. Journal of Superconductivity and Novel Magnetism, 2012, 25, 469-474.                     | 1.8 | 3         |
| 111 | Magnetic Field Effects on Surface Morphology and Magnetic Properties of Co-Ni Thin Films Prepared by Electrodeposition. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2053-2057.                                  | 1.8 | 3         |
| 112 | Cu-SiC Composites as Advanced Electronic Packaging Materials. Key Engineering Materials, 2013, 594-595, 852-856.  | 0.4 | 3         |
| 113 | On the Fatigue of Shape Memory Alloys. Key Engineering Materials, 0, 594-595, 133-139.  | 0.4 | 3         |
| 114 | Study on structure and properties of CuZn40Pb alloy. IOP Conference Series: Materials Science and Engineering, 2016, 133, 012015.   | 0.6 | 3         |
| 115 | XRD and FTIR study of the effect of ultra high molecular weight polyethylene (UHMWPE) as binder on kaolin geopolymer ceramics. AIP Conference Proceedings, 2017, , .  | 0.4 | 3         |
| 116 | The Effect of Different Ratio Bottom Ash and Fly Ash Geopolymer Brick on Mechanical Properties for Non-loading Application. MATEC Web of Conferences, 2017, 97, 01017.  | 0.2 | 3         |
| 117 | Approaching on Colorimetric Change of Porous Calcareous Rocks Exposed in Urban Environmental Conditions from Iasi Romania. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012080.                         | 0.6 | 3         |
| 118 | Fabrication of Porous Ceramic-Geopolymer Based Material to Improve Water Absorption and Retention in Construction Materials: A Review. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012004.             | 0.6 | 3         |
| 119 | Effect of Solid to Liquid Ratio on Heavy Metal Removal by Geopolymer-Based Adsorbent. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012045.  | 0.6 | 3         |
| 120 | Contributions concerning the possibility of implementing the APQP concept in the aerospace industry. MATEC Web of Conferences, 2018, 178, 08013.  | 0.2 | 3         |
| 121 | Characterization of the Acid-Base Character of Burned Clay Ceramics Used for Water Decontamination. Materials, 2019, 12, 3836.  | 2.9 | 3         |
| 122 | Assessment of the quality of quaternary groundwater under the influence of anthropogenic activities in the low-income neighbourhoods of the Treichville municipality (Abidjan, CÔte d'Ivoire). SN Applied Sciences, 2020, 2, 1. | 2.9 | 3         |
| 123 | Authentication of an Old Violin by Multianalytical Methods. Applied Sciences (Switzerland), 2020, 10, 306.  | 2.5 | 3         |
| 124 | Study on the Durability of Road Concrete with Blast Furnace Slag Affected by the Corrosion Initiated by Chloride. Advances in Civil Engineering, 2021, 2021, 1-16.  | 0.7 | 3         |
| 125 | Study of the Spatial Distribution of Forces and Stresses on Wear Surfaces at Optimization of the Excavating Part of an Earthmoving Machine Transverse Profile. Coatings, 2021, 11, 182.   | 2.6 | 3         |
| 126 | Investigation of the Strength Parameters of Drilling Pumps during the Formation of Contact Stresses in Gears. Applied Sciences (Switzerland), 2021, 11, 7076.   | 2.5 | 3         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Influence of 1.5 wt.% Bi on the Microstructure, Hardness, and Shear Strength of Sn-0.7Cu Solder Joints after Isothermal Annealing. <i>Materials</i> , 2021, 14, 5134.              | 2.9 | 3         |
| 128 | Effect of Finishing Techniques on the Junction Between the Composite Restoration and the Dental Enamel. <i>Materiale Plastice</i> , 2017, 54, 375-379.                             | 0.8 | 3         |
| 129 | Structure and Magnetic Properties of Composite Toroids Powder Casted. <i>Materiale Plastice</i> , 2017, 54, 491-494.   | 0.8 | 3         |
| 130 | Flexural Strength of Single Polymer Polyester Composites as a Measure of Material Degradation. <i>Materiale Plastice</i> , 2017, 54, 539-542.                                      | 0.8 | 3         |
| 131 | Study on the Middle Bronze Age Disc-Butted Axe Ornament from Archaeometallurgical Point of View. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9814.                           | 2.5 | 3         |
| 132 | Study of Wear and Redistribution Dynamic Forces of Wheel Pairs Restored by a Wear-Resistant Coating 15Cr17Ni12V3F. <i>Coatings</i> , 2021, 11, 1441.                               | 2.6 | 3         |
| 133 | Contribution of Interfacial Bonding towards Geopolymers Properties in Geopolymers Reinforced Fibers: A Review. <i>Materials</i> , 2022, 15, 1496.                                  | 2.9 | 3         |
| 134 | Effect of Kaolin Geopolymer Ceramics Addition on the Microstructure and Shear Strength of Sn-3.0Ag-0.5Cu Solder Joints during Multiple Reflow. <i>Materials</i> , 2022, 15, 2758.  | 2.9 | 3         |
| 135 | Preparation of Fly Ash-Ladle Furnace Slag Blended Geopolymer Foam via Pre-Foaming Method with Polyoxyethylene Alkyether Sulphate Incorporation. <i>Materials</i> , 2022, 15, 4085. | 2.9 | 3         |
| 136 | Forecasting Daytime Ground-Level Ozone Concentration in Urbanized Areas of Malaysia Using Predictive Models. <i>Sustainability</i> , 2022, 14, 7936.                               | 3.2 | 3         |
| 137 | A structural-morphological study of a Cu 63 Al 26 Mn 11 shape memory alloy. <i>Proceedings of SPIE</i> , 2009, , .   | 0.8 | 2         |
| 138 | Influence of technological parameters on the dynamic behavior of a MEMS accelerometer. , 2010, , .   |     | 2         |
| 139 | A Review " Manufacturing on Rubberized Concrete Filled Recycled Tire Rubber. <i>Key Engineering Materials</i> , 2015, 660, 249-253.  | 0.4 | 2         |
| 140 | Chemical Deposition of Thin Layers on Reinforcing Steel. <i>Key Engineering Materials</i> , 2015, 660, 213-218.  | 0.4 | 2         |
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