

Rebeka Rudolf

List of Publications by Year in descending order

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71
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docs citations

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times ranked

1000
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Biomimetic Superhydrophobic Concrete with Enhanced Anticorrosive, Freeze Thaw, and Deicing Resistance. <i>Advanced Engineering Materials</i> , 2022, 24, 2101445. | 1.6 | 11 |
| 2 | Multivariate Regression Analysis of the NiTi Alloys™ Surface Corrosion Depending on the Measured Oxygen Value: Tests in Three Different Marine Environments. <i>Crystals</i> , 2022, 12, 183. | 1.0 | 1 |
| 3 | Dispersion strengthening of copper by internal oxidation of rapidly solidified Cu-RE alloys. <i>International Journal of Materials Research</i> , 2022, 94, 993-1000. | 0.1 | 0 |
| 4 | Oxidation Behaviour of Microstructurally Highly Metastable Ag-La Alloy. <i>Materials</i> , 2022, 15, 2295. | 1.3 | 2 |
| 5 | Dental Gold Alloys and Gold Nanoparticles for Biomedical Applications. <i>SpringerBriefs in Materials</i> , 2022, , . | 0.1 | 2 |
| 6 | Corrosion of NiTiDiscs in Different Seawater Environments. <i>Materials</i> , 2022, 15, 2841. | 1.3 | 0 |
| 7 | Synthesis of Ni/Y2O3 Nanocomposite through USP and Lyophilisation for Possible Use as Coating. <i>Materials</i> , 2022, 15, 2856. | 1.3 | 3 |
| 8 | The Analyses of the Rate of Pitting Corrosion of a NiTi Rod in a Natural Marine Environment. <i>Journal of Maritime & Transportation Science</i> , 2022, Special edition 4, 87-99. | 0.2 | 1 |
| 9 | A Nonlinear Probabilistic Pitting Corrosion Model of NiTi Alloy Immersed in Shallow Seawater. <i>Micromachines</i> , 2022, 13, 1031. | 1.4 | 0 |
| 10 | Cast Microstructure of a Complex Concentrated Noble Alloy Ag20Pd20Pt20Cu20Ni20. <i>Materials</i> , 2022, 15, 4788. | 1.3 | 4 |
| 11 | Fused filament fabrication of Nd-Fe-B bonded magnets: Comparison of PA12 and TPU matrices. <i>Additive Manufacturing</i> , 2021, 38, 101745. | 1.7 | 12 |
| 12 | Bacterial Adhesion of Streptococcus mutans to Dental Material Surfaces. <i>Molecules</i> , 2021, 26, 1152. | 1.7 | 27 |
| 13 | Gold Inks for Inkjet Printing on Photo Paper: Complementary Characterisation. <i>Nanomaterials</i> , 2021, 11, 599. | 1.9 | 10 |
| 14 | A Probabilistic Method for Estimating the Influence of Corrosion on the CuAlNi Shape Memory Alloy in Different Marine Environments. <i>Crystals</i> , 2021, 11, 274. | 1.0 | 8 |
| 15 | Atomic Layer Deposition of aTiO2 Layer on Nitinol and Its Corrosion Resistance in a Simulated Body Fluid. <i>Metals</i> , 2021, 11, 659. | 1.0 | 10 |
| 16 | Electrochemical testing of noble metal dental alloys: The influence of their chemical composition on the corrosion resistance. <i>Corrosion Science</i> , 2021, 184, 109412. | 3.0 | 11 |
| 17 | Investigation of CoCr Dental Alloy: Example from a Casting Workflow Standpoint. <i>Crystals</i> , 2021, 11, 849. | 1.0 | 4 |
| 18 | Statistical Approach to the Analysis of the Corrosive Behaviour of NiTi Alloys under the Influence of Different Seawater Environments. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8825. | 1.3 | 6 |

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|----|--|-----|-----------|
| 19 | Study of gold nanoparticlesâ€™™ preparation through ultrasonic spray pyrolysis and lyophilisation for possible use as markers in LFIA tests. <i>Nanotechnology Reviews</i> , 2021, 10, 1978-1992. | 2.6 | 15 |
| 20 | Optimisation of a Side Inlet for H2 Entry into an Ultrasonic Spray Pyrolysis Device. <i>Processes</i> , 2021, 9, 2256. | 1.3 | 0 |
| 21 | Characterization of AuNPs based ink for inkjet printing of low cost paper based sensors. <i>Materials Letters</i> , 2020, 264, 127332. | 1.3 | 14 |
| 22 | Advances in Ultrasonic Spray Pyrolysis Processing of Noble Metal Nanoparticlesâ€™™ Review. <i>Materials</i> , 2020, 13, 3485. | 1.3 | 41 |
| 23 | Experimental Continuous Casting of Nitinol. <i>Metals</i> , 2020, 10, 505. | 1.0 | 15 |
| 24 | The Influences of Moisture on the Mechanical, Morphological and Thermogravimetric Properties of Mineral Wool Made from Basalt Glass Fibers. <i>Materials</i> , 2020, 13, 2392. | 1.3 | 15 |
| 25 | Microstructure Characterisation and Identification of the Mechanical and Functional Properties of a New PMMA-ZnO Composite. <i>Materials</i> , 2020, 13, 2717. | 1.3 | 10 |
| 26 | Low-cost synthesis of AuNPs through ultrasonic spray pyrolysis. <i>Materials Research Express</i> , 2020, 7, 055017. | 0.8 | 11 |
| 27 | Novel Approach of Nanostructured Bainitic Steelsâ€™™ Production with Improved Toughness and Strength. <i>Materials</i> , 2020, 13, 1220. | 1.3 | 4 |
| 28 | A Study of the Possible Use of Materials With Shape Memory Effect in Shipbuilding. <i>Journal of Maritime & Transportation Science</i> , 2020, 3, 265-277. | 0.2 | 4 |
| 29 | Characterisation of NiTi Orthodontic Archwires Surface after the Simulation of Mechanical Loading in CACO2-2 Cell Culture. <i>Coatings</i> , 2019, 9, 440. | 1.2 | 8 |
| 30 | Plasmon enhanced luminescence in hierarchically structured Ag@ (Y0.95Eu0.05)2O3 nanocomposites synthesized by ultrasonic spray pyrolysis. <i>Advanced Powder Technology</i> , 2019, 30, 1409-1418. | 2.0 | 5 |
| 31 | Synthesis of Colloidal Au Nanoparticles through Ultrasonic Spray Pyrolysis and Their Use in the Preparation of Polyacrylate-AuNPsâ€™™ Composites. <i>Materials</i> , 2019, 12, 3775. | 1.3 | 15 |
| 32 | Morphology of Composite Fe@Au Submicron Particles, Produced with Ultrasonic Spray Pyrolysis and Potential for Synthesis of Fe@Au Coreâ€™™Shell Particles. <i>Materials</i> , 2019, 12, 3326. | 1.3 | 6 |
| 33 | The Effect of Stabilisation Agents on the Immunomodulatory Properties of Gold Nanoparticles Obtained by Ultrasonic Spray Pyrolysis. <i>Materials</i> , 2019, 12, 4121. | 1.3 | 8 |
| 34 | Additive Printing of Gold Nanoparticles on Paper Substrate Through Office Ink-Jet Printer. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 220-228. | 0.3 | 0 |
| 35 | Selective laser melting and sintering technique of the cobalt-chromium dental alloy. <i>Srpski Arhiv Za Celokupno Lekarstvo</i> , 2019, 147, 664-669. | 0.1 | 4 |
| 36 | Materials with Shape Memory Effect for Applications in Maritime. <i>Scientific Journal of Polish Naval Academy</i> , 2019, 218, 25-41. | 0.2 | 8 |

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|----|--|-----|-----------|
| 37 | Cytotoxicity of a titanium alloy coated with hydroxyapatite by plasma jet deposition. <i>Vojnosanitetski Pregled</i> , 2019, 76, 492-501. | 0.1 | 0 |
| 38 | Numerical and experimental analysis of the single droplet evaporation in a ultrasonic spray pyrolysis device. <i>Drying Technology</i> , 2018, 36, 11-20. | 1.7 | 5 |
| 39 | Synthesis of Gold Nanoparticles with the Ultrasonic Spray Pyrolysis and Estimation of their Usage in 3D Printing. <i>Micro and Nanosystems</i> , 2018, 10, . | 0.3 | 4 |
| 40 | Formation of Bimetallic Fe/Au Submicron Particles with Ultrasonic Spray Pyrolysis. <i>Metals</i> , 2018, 8, 278. | 1.0 | 11 |
| 41 | Tuning the Morphology of ZnO Nanostructures with the Ultrasonic Spray Pyrolysis Process. <i>Metals</i> , 2018, 8, 569. | 1.0 | 33 |
| 42 | Successful Synthesis of Gold Nanoparticles through Ultrasonic Spray Pyrolysis from a Gold(III) Nitrate Precursor and Their Interaction with a High Electron Beam. <i>ChemistryOpen</i> , 2018, 7, 533-542. | 0.9 | 28 |
| 43 | SYNTHESIS OF GOLD NANOPARTICLES THROUGH ULTRASONIC SPRAY PYROLYSIS AND ITS APPLICATION IN PRINTED ELECTRONICS. <i>Contemporary Materials</i> , 2018, 9, . | 0.0 | 5 |
| 44 | Fireworks: How to Simulate the Manufacture and Operation in the Atmosphere with the Substitution of Ultrasonic Spray Pyrolysis. <i>Current Nanoscience</i> , 2018, 15, 147-156. | 0.7 | 1 |
| 45 | Formation mechanisms for gold nanoparticles in a redesigned Ultrasonic Spray Pyrolysis. <i>Advanced Powder Technology</i> , 2017, 28, 876-883. | 2.0 | 26 |
| 46 | Application of Gold(III) Acetate as a New Precursor for the Synthesis of Gold Nanoparticles in PEG Through Ultrasonic Spray Pyrolysis. <i>Journal of Cluster Science</i> , 2017, 28, 1647-1665. | 1.7 | 21 |
| 47 | Why do some titanium-alloy total hip arthroplasty modular necks fail?. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 69, 107-114. | 1.5 | 26 |
| 48 | Structure and Formation Model of Ag/TiO ₂ and Au/TiO ₂ Nanoparticles Synthesized through Ultrasonic Spray Pyrolysis. <i>Metals</i> , 2017, 7, 389. | 1.0 | 16 |
| 49 | Morphology, Aggregation Properties, Cytocompatibility, and Anti-Inflammatory Potential of Citrate-Stabilized AuNPs Prepared by Modular Ultrasonic Spray Pyrolysis. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-17. | 1.5 | 12 |
| 50 | Titanium alloy femoral neck fracture—clinical and metallurgical analysis in 6 cases. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 87, 1-6. | 1.2 | 18 |
| 51 | Differences in cytocompatibility, dynamics of the oxide layers™ formation, and nickel release between superelastic and thermo-activated nickel™titanium archwires. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 128. | 1.7 | 8 |
| 52 | Continuous vertical casting of a NiTi alloy. <i>Materiali in Tehnologije</i> , 2016, 50, 981-988. | 0.3 | 5 |
| 53 | Enhanced Adhesion Properties, Structure and Sintering Mechanism of Hydroxyapatite Coatings Obtained by Plasma Jet Deposition. <i>Plasma Chemistry and Plasma Processing</i> , 2015, 35, 1-19. | 1.1 | 6 |
| 54 | Formation of Non-Toxic Au Nanoparticles with Bimodal Size Distribution by a Modular Redesign of Ultrasonic Spray Pyrolysis. <i>Nanoscience and Nanotechnology Letters</i> , 2015, 7, 920-929. | 0.4 | 13 |

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|----|--|-----|-----------|
| 55 | Au-nanoparticle synthesis via ultrasonic spray pyrolysis with a separate evaporation zone. <i>Materiali in Tehnologije</i> , 2015, 49, 791-796. | 0.3 | 12 |
| 56 | Microstructure and biocompatibility of gold-lanthanum strips. <i>Gold Bulletin</i> , 2014, 47, 263-273. | 1.1 | 4 |
| 57 | Numerical analysis of temperature field during hardfacing process and comparison with experimental results. <i>Thermal Science</i> , 2014, 18, 113-120. | 0.5 | 15 |
| 58 | Stress dependent electrical resistivity of orthodontic wire from the shape memory alloy NiTi. <i>Materials & Design</i> , 2014, 55, 699-706. | 5.1 | 21 |
| 59 | Immunomodulatory effects of carbon nanotubes functionalized with a Toll-like receptor 7 agonist on human dendritic cells. <i>Carbon</i> , 2014, 67, 273-287. | 5.4 | 20 |
| 60 | Size-Dependent Effects of Gold Nanoparticles Uptake on Maturation and Antitumor Functions of Human Dendritic Cells In Vitro. <i>PLoS ONE</i> , 2014, 9, e96584. | 1.1 | 117 |
| 61 | BIOCOMPATIBILITY EVALUATION OF Cu-Al-Ni SHAPE MEMORY ALLOYS. <i>Contemporary Materials</i> , 2014, 5, . | 0.0 | 3 |
| 62 | Immunomodulatory Properties of Nanoparticles Obtained by Ultrasonic Spray Pyrolysis from Gold Scrap. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 528-538. | 0.5 | 16 |
| 63 | Characterisation of the surface microstructure of a melt-spun Ni-Ti shape memory ribbon. <i>Surface and Interface Analysis</i> , 2012, 44, 997-1000. | 0.8 | 1 |
| 64 | Characterisation of melt spun Ni-Ti shape memory Ribbons™ microstructure. <i>Metals and Materials International</i> , 2012, 18, 413-417. | 1.8 | 5 |
| 65 | Immunomodulatory properties of nanoparticles obtained by ultrasonic spray pyrolysis from gold scrap. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 528-38. | 0.5 | 4 |
| 66 | Bond behavior of carbon-fiber yarn embedded in cement mortar. <i>Science and Engineering of Composite Materials</i> , 2011, 18, . | 0.6 | 3 |
| 67 | Relationship between microstructure, cytotoxicity and corrosion properties of a Cu-Al-Ni shape memory alloy. <i>Acta Biomaterialia</i> , 2010, 6, 308-317. | 4.1 | 50 |
| 68 | The Response of Macrophages to a Cu-Al-Ni Shape Memory Alloy. <i>Journal of Biomaterials Applications</i> , 2010, 25, 269-286. | 1.2 | 7 |
| 69 | Internal oxidation phenomenon in pure copper. <i>Metals and Materials International</i> , 2009, 15, 259-264. | 1.8 | 4 |
| 70 | Thermal Stability of a Rapidly Solidified Cu-Zr. <i>Praktische Metallographie/Practical Metallography</i> , 2009, 46, 657-669. | 0.1 | 0 |
| 71 | Evaluation of the artificial tooth and polymer-base bond in removable dentures. <i>Serbian Dental Journal</i> , 2007, 54, 170-183. | 0.1 | 1 |