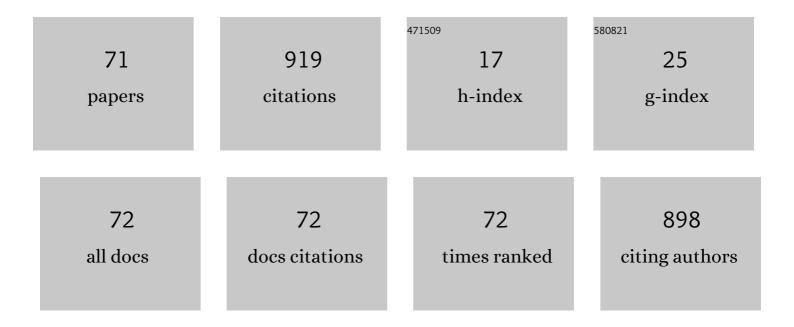
List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Microstructure and sliding wear properties of HVOF sprayed, laser remelted and laser clad Stellite 6 coatings. Surface and Coatings Technology, 2017, 318, 129-141. | 4.8 | 68 |
| 2 | Effect of Heat Treatment on the Microstructure and Properties of HVOF-Sprayed Co-Cr-W Coating. Journal of Thermal Spray Technology, 2016, 25, 546-557. | 3.1 | 41 |
| 3 | Microstructure and phase stability of suspension high velocity oxy-fuel sprayed yttria stabilised zirconia coatings from aqueous and ethanol based suspensions. Journal of the European Ceramic Society, 2018, 38, 1878-1887. | 5.7 | 40 |
| 4 | Influence of Microstructure on Thermal Properties of Axial Suspension Plasma-Sprayed YSZ Thermal Barrier Coatings. Journal of Thermal Spray Technology, 2016, 25, 202-212. | 3.1 | 35 |
| 5 | Plasma sprayed manganese–cobalt spinel coatings: Process sensitivity on phase, electrical and protective performance. Journal of Power Sources, 2016, 304, 234-243. | 7.8 | 33 |
| 6 | Gas and liquid-fuelled HVOF spraying of Ni50Cr coating: Microstructure and high temperature oxidation. Surface and Coatings Technology, 2017, 318, 224-232. | 4.8 | 33 |
| 7 | Development of suspension plasma sprayed alumina coatings with high enthalpy plasma torch. Surface and Coatings Technology, 2017, 325, 277-288. | 4.8 | 31 |
| 8 | On the dielectric strengths of atmospheric plasma sprayed Al2O3, Y2O3, ZrO2–7% Y2O3 and (Ba,Sr)TiO3 coatings. Ceramics International, 2015, 41, 11169-11176. | 4.8 | 27 |
| 9 | Suspension High Velocity Oxy-Fuel (SHVOF)-Sprayed Alumina Coatings: Microstructure, Nanoindentation and Wear. Journal of Thermal Spray Technology, 2016, 25, 1700-1710. | 3.1 | 26 |
| 10 | Structure and properties of plasma sprayed BaTiO3 coatings: Spray parameters versus structure and photocatalytic activity. Ceramics International, 2011, 37, 2561-2567. | 4.8 | 23 |
| 11 | Impact of Impurity Content on the Sintering Resistance and Phase Stability of Dysprosia- and Yttria-Stabilized Zirconia Thermal Barrier Coatings. Journal of Thermal Spray Technology, 2014, 23, 160-169. | 3.1 | 23 |
| 12 | Laser Clad and HVOF-Sprayed Stellite 6 Coating in Chlorine-Rich Environment with KCl at 700°C. Oxidation of Metals, 2017, 88, 749-771. | 2.1 | 23 |
| 13 | Suspension high velocity oxy-fuel spraying of TiO 2 : A quantitative approach to phase composition. Journal of the European Ceramic Society, 2017, 37, 801-810. | 5.7 | 22 |
| 14 | Phase stabilization in plasma sprayed BaTiO3. Ceramics International, 2013, 39, 5039-5048. | 4.8 | 20 |
| 15 | Microstructure and Properties of Plasma-Sprayed Mixture of Cr2O3 and TiO2. Journal of Thermal Spray Technology, 2013, 22, 1163-1169. | 3.1 | 19 |
| 16 | Post-treatment of Plasma-Sprayed Amorphous Ceramic Coatings by Spark Plasma Sintering. Journal of Thermal Spray Technology, 2015, 24, 637-643. | 3.1 | 19 |
| 17 | Abradable Coatings for Small Turboprop Engines: A Case Study of Nickel-Graphite Coating. Journal of Thermal Spray Technology, 2019, 28, 794-802. | 3.1 | 18 |
| 18 | Structure and properties of plasma sprayed BaTiO3 coatings after thermal posttreatment. Ceramics International, 2015, 41, 7453-7460. | 4.8 | 17 |

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|----|--|------|-----------|
| 19 | The influence of substrate temperature on properties of APS and VPS W coatings. Surface and Coatings Technology, 2015, 268, 7-14. | 4.8 | 17 |
| 20 | Titanium Dioxide Coatings Sprayed by a Water-Stabilized Plasma Gun (WSP) with Argon and Nitrogen as the Powder Feeding Gas: Differences in Structural, Mechanical and Photocatalytic Behavior. Journal of Thermal Spray Technology, 2012, 21, 425-434. | 3.1 | 16 |
| 21 | W–steel and W–WC–steel composites and FGMs produced by hot pressing. Fusion Engineering and Design, 2015, 100, 364-370. | 1.9 | 16 |
| 22 | Metallurgical bond between magnesium AZ91 alloy and aluminium plasma sprayed coatings. Surface and Coatings Technology, 2015, 282, 163-170. | 4.8 | 16 |
| 23 | Microstructure and Properties of Plasma Sprayed Lead Zirconate Titanate (PZT) Ceramics. Coatings, 2012, 2, 64-75. | 2.6 | 15 |
| 24 | Optimization of High Porosity Thermal Barrier Coatings Generated with a Porosity Former. Journal of Thermal Spray Technology, 2015, 24, 622-628. | 3.1 | 15 |
| 25 | Controlling Microstructure of Yttria-Stabilized Zirconia Prepared from Suspensions and Solutions by Plasma Spraying with High Feed Rates. Journal of Thermal Spray Technology, 2017, 26, 1787-1803. | 3.1 | 15 |
| 26 | Photocatalytic activity of visible-light-active iron-doped coatings prepared by plasma spraying. Ceramics International, 2014, 40, 2365-2372. | 4.8 | 14 |
| 27 | Feasibility of suspension spraying of yttria-stabilized zirconia with water-stabilized plasma torch. Surface and Coatings Technology, 2015, 268, 58-62. | 4.8 | 14 |
| 28 | Structural and photocatalytic characteristics of TiO2 coatings produced by various thermal spray techniques. Journal of Advanced Ceramics, 2013, 2, 218-226. | 17.4 | 13 |
| 29 | Calcium titanate (CaTiO 3) dielectrics prepared by plasma spray and post-deposition thermal treatment. Materials Research Bulletin, 2015, 72, 123-132. | 5.2 | 13 |
| 30 | Photocatalytic and electrochemical properties of single- and multi-layer sub-stoichiometric titanium oxide coatings prepared by atmospheric plasma spraying. Journal of Advanced Ceramics, 2016, 5, 126-136. | 17.4 | 13 |
| 31 | Failure analysis of thermally cycled columnar thermal barrier coatings produced by high-velocity-air fuel and axial-suspension-plasma spraying: A design perspective. Ceramics International, 2018, 44, 3161-3172. | 4.8 | 13 |
| 32 | Splat formation and microstructure of solution precursor thermal sprayed Nb-doped titanium oxide coatings. Ceramics International, 2020, 46, 5098-5108. | 4.8 | 13 |
| 33 | Resonance bending fatigue testing with simultaneous damping measurement and its application on layered coatings. International Journal of Fatigue, 2016, 82, 300-309. | 5.7 | 12 |
| 34 | Suspensions Plasma Spraying of Ceramics with Hybrid Water-Stabilized Plasma Technology. Journal of Thermal Spray Technology, 2017, 26, 37-46. | 3.1 | 12 |
| 35 | Suspension high velocity oxy-fuel (SHVOF) spray of delta-theta alumina suspension: Phase transformation and tribology. Surface and Coatings Technology, 2019, 371, 97-106. | 4.8 | 12 |
| 36 | Dielectric properties of CaTiO ₃ coatings prepared by plasma spraying. Surface Engineering, 2013, 29, 384-389. | 2.2 | 10 |

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|----|--|-----|-----------|
| 37 | Optimizing Thermoelectric Properties of In Situ Plasma-Spray-Synthesized Sub-stoichiometric TiO2â^'x Deposits. Journal of Thermal Spray Technology, 2018, 27, 968-982. | 3.1 | 10 |
| 38 | YAG thermal barrier coatings deposited by suspension and solution precursor thermal spray. Ceramics International, 2021, 47, 23803-23813. | 4.8 | 10 |
| 39 | The impact of various cooling environments on the distribution of macroscopic residual stresses in near-surface layers of ground steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 497, 200-205. | 5.6 | 9 |
| 40 | The influence of plasma sprayed multilayers of Cr2O3 and Ni10wt%Al on fatigue resistance. Surface and Coatings Technology, 2014, 251, 143-150. | 4.8 | 9 |
| 41 | Improving dielectric properties of plasma sprayed calcium titanate (CaTiO3) coatings by thermal annealing. Ceramics International, 2014, 40, 13049-13055. | 4.8 | 9 |
| 42 | Small punch creep testing of thermally sprayed Stellite 6 coating: A comparative study of as-received vs post-heat treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 749, 137-147. | 5.6 | 8 |
| 43 | Study of Residual Stress Surface Distribution on Laser Welded Steel Sheets. Applied Mechanics and Materials, 0, 486, 3-8. | 0.2 | 7 |
| 44 | Study on the plasma sprayed amorphous diopside and annealed fine-grained crystalline diopside. Ceramics International, 2015, 41, 10578-10586. | 4.8 | 7 |
| 45 | Dielectric and electrochemical properties through-thickness mapping on extremely thick plasma sprayed TiO 2. Ceramics International, 2016, 42, 7183-7191. | 4.8 | 7 |
| 46 | A suspension high velocity oxy-fuel thermal spray manufacturing route for silicon carbide – YAG composite coatings. Materials Letters, 2020, 281, 128601. | 2.6 | 6 |
| 47 | Plasma spraying of cerium-doped YAG. Journal of Materials Research, 2014, 29, 2344-2351. | 2.6 | 5 |
| 48 | High Temperature Resistance of Selected HVOF Coatings. Key Engineering Materials, 2015, 662, 111-114. | 0.4 | 5 |
| 49 | On reactive suspension plasma spraying of calcium titanate. Ceramics International, 2016, 42, 4607-4615. | 4.8 | 5 |
| 50 | Fatigue Performance of TBCs on Hastelloy X Substrate During Cyclic Bending. Journal of Thermal Spray Technology, 2016, 25, 231-243. | 3.1 | 5 |
| 51 | Non-Destructive Inspection of Surface Integrity in Milled Turbine Blades of Inconel 738LC. Applied Mechanics and Materials, 0, 486, 9-15. | 0.2 | 4 |
| 52 | The Research of the Surface Profile after Profiling of Inconel 738LC. Procedia Engineering, 2014, 69, 974-979. | 1.2 | 4 |
| 53 | The Influence of Spraying Parameters on Stresses and Mechanical Properties of HVOF-Sprayed Co-Cr-W-C Coatings. Key Engineering Materials, 0, 606, 171-174. | 0.4 | 4 |
| 54 | Combining XRD with Hole-Drilling Method in Residual Stress Gradient Analysis of Laser Hardened C45 Steel. Advanced Materials Research, 2014, 996, 277-282. | 0.3 | 4 |

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| 55 | Behavior and microstructural changes in different tungsten-based materials under pulsed plasma loading. Nuclear Materials and Energy, 2016, 9, 123-127. | 1.3 | 4 |
| 56 | Plasma-Sprayed Fine-grained Zirconium Silicate and Its Dielectric Properties. Journal of Materials Engineering and Performance, 2017, 26, 2388-2393. | 2.5 | 4 |
| 57 | Fabrication and microstrain evolution of Al-TiB2 composite coating by cold spray deposition. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 1044-1052. | 1.1 | 4 |
| 58 | Residual stresses determination in textured substrates for plasma sprayed coatings. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012112. | 0.6 | 3 |
| 59 | Structural characterization of semi-heusler/light metal composites prepared by spark plasma sintering. Scientific Reports, 2018, 8, 11133. | 3.3 | 3 |
| 60 | X-ray diffraction study of anisotropic state of residual stress after down-cut and up-cut face grinding. Powder Diffraction, 2009, 24, 99-101. | 0.2 | 2 |
| 61 | Real Structure of Milled Inconel 738LC Turbine Blades. Advanced Materials Research, 0, 996, 646-651. | 0.3 | 2 |
| 62 | Effect of Boriding Time on Microstructure and Residual Stresses in Borided Highly Alloyed X210CR12 Steel. Key Engineering Materials, 0, 606, 27-30. | 0.4 | 2 |
| 63 | Plasma Spraying of Silica-Rich Calcined Clay Shale. Journal of Thermal Spray Technology, 2014, 23, 732-741. | 3.1 | 2 |
| 64 | Study of residual stresses, microstructure, and hardness in FeB and Fe ₂ B ultra-hard layers. Powder Diffraction, 2015, 30, S83-S89. | 0.2 | 2 |
| 65 | Properties of Ultrafine-Grained Tungsten Prepared by Ball Milling and Spark Plasma Sintering. Applied Mechanics and Materials, 0, 821, 399-404. | 0.2 | 2 |
| 66 | Grinding of Inconel 713 Superalloy for Gas Turbines. Manufacturing Technology, 2016, 16, 38-45. | 1.4 | 2 |
| 67 | Surface Layers' Real Structure of Metals Exposed to Inhomogeneous Thermal Fields and Plastic Deformation. Solid State Phenomena, 0, 163, 59-63. | 0.3 | 1 |
| 68 | Effect of Grit-Blasting on Residual Stress Field. Key Engineering Materials, 2014, 606, 91-94. | 0.4 | 1 |
| 69 | Gradients of Parameters of the Real Structure in Steels Surface Layers after Mechanical Treatment. Solid State Phenomena, 2007, 130, 77-80. | 0.3 | 0 |
| 70 | The Influence of Mineralogical Composition Changes of Sandstone Cement on Physical-Mechanical Properties. Advanced Materials Research, 2014, 923, 71-74. | 0.3 | 0 |
| 71 | Influence of Beam Speed on Residual Stresses in the Vicinity of Laser Welds. Advanced Materials Research, 2014, 996, 463-468. | 0.3 | 0 |