

hanlin Liao

List of Publications by Year in descending order

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248
times ranked

5234
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Bonding behavior of Bi-metal-deposits produced by hybrid cold spray additive manufacturing. Journal of Materials Processing Technology, 2022, 299, 117375. | 6.3 | 11 |
| 2 | On the role of volumetric energy density in the microstructure and mechanical properties of laser powder bed fusion Ti-6Al-4V alloy. Additive Manufacturing, 2022, 51, 102605. | 3.0 | 6 |
| 3 | Effects of laser scanning speed and building direction on the microstructure and mechanical properties of selective laser melted Inconel 718 superalloy. Materials Today Communications, 2022, 30, 103095. | 1.9 | 4 |
| 4 | Microstructure evolution and mechanical properties of laser additive manufactured Ti6Al4V alloy under nitrogen-argon reactive atmosphere. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 841, 143076. | 5.6 | 6 |
| 5 | Enhanced mechanical properties of Ti6Al4V alloy fabricated by laser additive manufacturing under static magnetic field. Materials Research Letters, 2022, 10, 530-538. | 8.7 | 31 |
| 6 | Dynamic self-optimization of hierarchical NiAl architecture catalysing oxygen evolution reaction in alkaline water electrolysis. Applied Materials Today, 2022, 28, 101526. | 4.3 | 3 |
| 7 | Effect of building directions on the surface roughness, microstructure, and tribological properties of selective laser melted Inconel 625. Journal of Materials Processing Technology, 2021, 288, 116878. | 6.3 | 49 |
| 8 | Selective laser melting (SLM) of CX stainless steel: Theoretical calculation, process optimization and strengthening mechanism. Journal of Materials Science and Technology, 2021, 73, 151-164. | 10.7 | 61 |
| 9 | Influence of spray trajectories on characteristics of cold-sprayed copper deposits. Surface and Coatings Technology, 2021, 405, 126703. | 4.8 | 21 |
| 10 | Oxygen-deficient Co ₃ O ₄ submicron porous sphere films as highly active supercapacitor electrodes. Surface and Coatings Technology, 2021, 405, 126513. | 4.8 | 5 |
| 11 | Synthesis of carbon nanotube reinforced Al matrix composite coatings via cold spray deposition. Surface and Coatings Technology, 2021, 405, 126676. | 4.8 | 11 |
| 12 | Effect of environmental pressure on the microstructure of YSZ thermal barrier coating via suspension plasma spraying. Journal of the European Ceramic Society, 2021, 41, 535-543. | 5.7 | 22 |
| 13 | Cold spray additive manufacturing of Invar 36 alloy: microstructure, thermal expansion and mechanical properties. Journal of Materials Science and Technology, 2021, 72, 39-51. | 10.7 | 37 |
| 14 | Novel liquid fuel HVOF torches fueled with ethanol: relationships between in-flight particle characteristics and properties of WC-10Co-4Cr coatings. Surface and Coatings Technology, 2021, 408, 126805. | 4.8 | 6 |
| 15 | Effect of Laser Energy Density on Surface Morphology, Microstructure, and Magnetic Properties of Selective Laser Melted Fe-3wt.% Si Alloys. Journal of Materials Engineering and Performance, 2021, 30, 5020-5030. | 2.5 | 13 |
| 16 | New Process Implementation to Enhance Cold Spray-Based Additive Manufacturing. Journal of Thermal Spray Technology, 2021, 30, 1284-1293. | 3.1 | 13 |
| 17 | Implementation of Artificial Neural Networks for Forecasting the HVOF Spray Process and HVOF Sprayed Coatings. Journal of Thermal Spray Technology, 2021, 30, 1329-1343. | 3.1 | 9 |
| 18 | Microstructure and magnetic properties of FeSiBCrC soft magnetic alloy manufactured by selective laser melting. Materials Letters, 2021, 290, 129469. | 2.6 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Microstructure, interface characteristics and tribological properties of laser clad NiCrBSi-WC coatings on PH 13-8 Mo steel. Tribology International, 2021, 157, 106873. | 5.9 | 39 |
| 20 | Dense nanostructured YSZ coating prepared by low-pressure suspension plasma spraying: Atmosphere control and deposition mechanism. Surface and Coatings Technology, 2021, 416, 127175. | 4.8 | 5 |
| 21 | Description and Prediction of Multi-layer Profile in Cold Spray Using Artificial Neural Networks. Journal of Thermal Spray Technology, 2021, 30, 1453-1463. | 3.1 | 8 |
| 22 | Al matrix composites fabricated by solid-state cold spray deposition: A critical review. Journal of Materials Science and Technology, 2021, 86, 20-55. | 10.7 | 48 |
| 23 | In-situ nitrogen strengthening of selective laser melted Ti6Al4V with superior mechanical performance. Additive Manufacturing, 2021, 46, 102142. | 3.0 | 6 |
| 24 | Effect of annealing treatment on microstructure and mechanical properties of cold sprayed TiB ₂ /AlSi10Mg composites. Surfaces and Interfaces, 2021, 26, 101341. | 3.0 | 5 |
| 25 | Nitrogen species in a thermal plasma under very low pressure (150 Pa): Application to reactive plasma spraying. Ceramics International, 2021, 47, 30030-30038. | 4.8 | 1 |
| 26 | Effects of Static Magnetic Field on the Microstructure of Selective Laser Melted Inconel 625 Superalloy: Numerical and Experiment Investigations. Metals, 2021, 11, 1846. | 2.3 | 7 |
| 27 | Effect of heat treatment on residual stress and wear resistance of CX stainless steel manufactured by Selective Laser Melting. Procedia CIRP, 2021, 104, 738-743. | 1.9 | 11 |
| 28 | Influence of the pore size and porosity of selective laser melted Ti6Al4V ELI porous scaffold on cell proliferation, osteogenesis and bone ingrowth. Materials Science and Engineering C, 2020, 106, 110289. | 7.3 | 158 |
| 29 | Deposition of hollow sphere In ₂ O ₃ coatings by liquid flame spray. Surface Engineering, 2020, 36, 1121-1127. | 2.2 | 3 |
| 30 | Performance of plasma-sprayed CuNiIn coatings and Mo coatings subjected to fretting fatigue. Nano Materials Science, 2020, 2, 140-150. | 8.8 | 5 |
| 31 | A new approach to simulate coating thickness in cold spray. Surface and Coatings Technology, 2020, 382, 125151. | 4.8 | 32 |
| 32 | Cold spray additive manufacturing of metal matrix composites (MMCs) using a novel nano-TiB ₂ -reinforced 7075Al powder. Journal of Alloys and Compounds, 2020, 819, 152962. | 5.5 | 34 |
| 33 | Parametric Analysis and Modeling for the Porosity Prediction in Suspension Plasma-Sprayed Coatings. Journal of Thermal Spray Technology, 2020, 29, 51-59. | 3.1 | 8 |
| 34 | Influence of laminated architectures of heterostructured CeO ₂ -ZnO and Fe ₂ O ₃ -ZnO films on photodegradation performances. Surface and Coatings Technology, 2020, 403, 126367. | 4.8 | 9 |
| 35 | Corrosion behavior of cold sprayed 7075Al composite coating reinforced with TiB ₂ nanoparticles. Surface and Coatings Technology, 2020, 404, 126460. | 4.8 | 20 |
| 36 | Microstructure and mechanical deformation behavior of selective laser melted Ti6Al4V ELI alloy porous structures. Materials Letters, 2020, 277, 128366. | 2.6 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Study of the microstructure and mechanical performance of C-X stainless steel processed by selective laser melting (SLM). Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 781, 139227. | 5.6 | 57 |
| 38 | Highly sensitive ZnO nanoparticles-loaded In ₂ O ₃ hollow microsphere for detecting ppb-level NO ₂ at low working temperature. Progress in Natural Science: Materials International, 2020, 30, 469-476. | 4.4 | 17 |
| 39 | Micro-nano structured functional coatings deposited by liquid plasma spraying. Journal of Advanced Ceramics, 2020, 9, 517-534. | 17.4 | 39 |
| 40 | Effect of Static Magnetic Field on the Evolution of Residual Stress and Microstructure of Laser Remelted Inconel 718 Superalloy. Journal of Thermal Spray Technology, 2020, 29, 1410-1423. | 3.1 | 9 |
| 41 | Effect of heat treatment on the corrosion resistance behavior of selective laser melted Ti6Al4V ELI. Surface and Coatings Technology, 2020, 396, 125955. | 4.8 | 25 |
| 42 | Stable layer-building strategy to enhance cold-spray-based additive manufacturing. Additive Manufacturing, 2020, 35, 101356. | 3.0 | 19 |
| 43 | Characterization of Optical Fibers Directly Embedded on Metal Using a Particle Spray-Based Method. IEEE Sensors Journal, 2020, 20, 6414-6421. | 4.7 | 3 |
| 44 | Tribological properties of Al/diamond composites produced by cold spray additive manufacturing. Additive Manufacturing, 2020, 36, 101434. | 3.0 | 12 |
| 45 | Porous architecture and thermal properties of thermal barrier coatings deposited by suspension plasma spray. Surface and Coatings Technology, 2020, 386, 125462. | 4.8 | 27 |
| 46 | Selective laser melting of elemental powder blends for fabrication of homogeneous bulk material of near-eutectic Ni–Sn composition. Additive Manufacturing, 2020, 34, 101261. | 3.0 | 6 |
| 47 | SiCp/Al5056 Composite Coatings Applied to A Magnesium Substrate by Cold Gas Dynamic Spray Method for Corrosion Protection. Coatings, 2020, 10, 325. | 2.6 | 7 |
| 48 | Microstructure and tribological property of selective laser melted Fe-Mn-Al-C alloy. Materials Letters, 2020, 270, 127699. | 2.6 | 12 |
| 49 | Microstructure and mechanical properties of pure copper manufactured by selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 789, 139615. | 5.6 | 76 |
| 50 | Pure copper components fabricated by cold spray (CS) and selective laser melting (SLM) technology. Surface and Coatings Technology, 2020, 395, 125936. | 4.8 | 61 |
| 51 | Heterostructured metal oxides-ZnO nanorods films prepared by SPPS route for photodegradation applications. Surface and Coatings Technology, 2019, 375, 670-680. | 4.8 | 27 |
| 52 | Preparation and characterization of aluminum-based coatings deposited by very low-pressure plasma spray. Surface and Coatings Technology, 2019, 380, 125034. | 4.8 | 6 |
| 53 | Wear and corrosion resistant performance of thermal-sprayed Fe-based amorphous coatings: A review. Surface and Coatings Technology, 2019, 377, 124896. | 4.8 | 133 |
| 54 | Prediction and analysis of high velocity oxy fuel (HVOF) sprayed coating using artificial neural network. Surface and Coatings Technology, 2019, 378, 124988. | 4.8 | 27 |

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| 55 | Cold sprayed WC reinforced maraging steel 300 composites: Microstructure characterization and mechanical properties. Journal of Alloys and Compounds, 2019, 785, 499-511. | 5.5 | 23 |
| 56 | A novel approach for fabricating a CNT/AlSi composite with the self-aligned nacre-like architecture by cold spraying. Nano Materials Science, 2019, 1, 137-141. | 8.8 | 13 |
| 57 | Influence of annealing treatment on microstructure and magnetic properties of cold sprayed Ni-coated FeSiAl soft magnetic composite coating. Surface and Coatings Technology, 2019, 374, 476-484. | 4.8 | 20 |
| 58 | A spherical surface coating thickness model for a robotized thermal spray system. Robotics and Computer-Integrated Manufacturing, 2019, 59, 297-304. | 9.9 | 17 |
| 59 | Fatigue strength improvement of selective laser melted Ti6Al4V using ultrasonic surface mechanical attrition. Materials Research Letters, 2019, 7, 327-333. | 8.7 | 60 |
| 60 | Effects of substrate heat accumulation on the cold sprayed Ni coating quality: Microstructure evolution and tribological performance. Surface and Coatings Technology, 2019, 371, 185-193. | 4.8 | 7 |
| 61 | Numerical simulation and experimental study of Ar-H ₂ DC atmospheric plasma spraying. Surface and Coatings Technology, 2019, 371, 312-321. | 4.8 | 11 |
| 62 | Strengthened Peening Effect on Metallurgical Bonding Formation in Cold Spray Additive Manufacturing. Journal of Thermal Spray Technology, 2019, 28, 769-779. | 3.1 | 32 |
| 63 | Three dimensional dendritic morphology and orientation transition induced by high static magnetic field in directionally solidified Al-10wt.%Zn alloy. Journal of Materials Science and Technology, 2019, 35, 1587-1592. | 10.7 | 18 |
| 64 | Effect of hot isostatic pressing (HIP) on microstructure and mechanical properties of Ti6Al4V alloy fabricated by cold spray additive manufacturing. Additive Manufacturing, 2019, 27, 595-605. | 3.0 | 82 |
| 65 | Deposition of binder-free oxygen-vacancies NiCo ₂ O ₄ based films with hollow microspheres via solution precursor thermal spray for supercapacitors. Ceramics International, 2019, 45, 10722-10732. | 4.8 | 20 |
| 66 | Development of photocatalytically active heterostructured MnO/ZnO and CuO/ZnO films via solution precursor plasma spray process. Surface and Coatings Technology, 2019, 371, 107-116. | 4.8 | 14 |
| 67 | In Situ Electrochemical Activation of a Codoped Heterogeneous System as a Highly Efficient Catalyst for the Oxygen Evolution Reaction in Alkaline Water Electrolysis. ACS Applied Energy Materials, 2019, 2, 8809-8817. | 5.1 | 11 |
| 68 | Evaluation of nano/submicro pores in suspension plasma sprayed YSZ coatings. Surface and Coatings Technology, 2019, 378, 125001. | 4.8 | 7 |
| 69 | Experiments, Statistical Analysis, and Modeling to Evaluate the Porosity Influence in SPS Coatings. Journal of Thermal Spray Technology, 2019, 28, 76-86. | 3.1 | 6 |
| 70 | Mechanical and inÂvitro study of an isotropic Ti6Al4V lattice structure fabricated using selective laser melting. Journal of Alloys and Compounds, 2019, 782, 209-223. | 5.5 | 112 |
| 71 | Selective laser melting of WC reinforced maraging steel 300: Microstructure characterization and tribological performance. Surface and Coatings Technology, 2019, 371, 355-365. | 4.8 | 44 |
| 72 | VLPPS: An Emerging Process to Create Well-Defined Components by Additive Manufacturing. Journal of Thermal Spray Technology, 2019, 28, 255-264. | 3.1 | 2 |

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| 73 | Microstructure evolution and mechanical properties of maraging steel 300 fabricated by cold spraying. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 743, 482-493. | 5.6 | 29 |
| 74 | A novel structured suspension plasma sprayed YSZ-PTFE composite coating with tribological performance improvement. <i>Surface and Coatings Technology</i> , 2019, 358, 108-113. | 4.8 | 15 |
| 75 | Comparative investigation of microstructure and properties of Ni-coated FeSiAl soft magnetic composite coatings produced by cold spraying and HVOF. <i>Surface and Coatings Technology</i> , 2019, 371, 224-234. | 4.8 | 15 |
| 76 | 3D time-dependent numerical simulation for atmospheric plasma spraying. <i>Surface and Coatings Technology</i> , 2019, 371, 344-354. | 4.8 | 10 |
| 77 | Characterizations of Composite Titanium Nitride Coatings Deposited by Very Low-Pressure Plasma Spraying. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 265-272. | 3.1 | 5 |
| 78 | Experimental and numerical investigation of cavitation-induced erosion in thermal sprayed single splats. <i>Ultrasonics Sonochemistry</i> , 2019, 52, 336-343. | 8.2 | 19 |
| 79 | Oxygen-defective ZnO films with various nanostructures prepared via a rapid one-step process and corresponding photocatalytic degradation applications. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 637-648. | 9.4 | 25 |
| 80 | Additive manufacturing of WC reinforced maraging steel 300 composites by cold spraying and selective laser melting. <i>Surface and Coatings Technology</i> , 2019, 371, 161-171. | 4.8 | 58 |
| 81 | Metallization of polyether ether ketone (PEEK) by copper coating via cold spray. <i>Surface and Coatings Technology</i> , 2018, 342, 209-219. | 4.8 | 59 |
| 82 | Cold spray additive manufacturing and repair: Fundamentals and applications. <i>Additive Manufacturing</i> , 2018, 21, 628-650. | 3.0 | 269 |
| 83 | A novel approach for fabricating Ni-coated FeSiAl soft magnetic composite via cold spraying. <i>Journal of Alloys and Compounds</i> , 2018, 749, 523-533. | 5.5 | 23 |
| 84 | Influence of Substrate Properties on the Formation of Suspension Plasma Sprayed Coatings. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 73-83. | 3.1 | 17 |
| 85 | Selective laser melting of tungsten carbide reinforced maraging steel composite. <i>Additive Manufacturing</i> , 2018, 22, 104-110. | 3.0 | 48 |
| 86 | Microstructure and wear properties of selective laser melted WC reinforced 18Ni-300 steel matrix composite. <i>Vacuum</i> , 2018, 154, 69-74. | 3.5 | 47 |
| 87 | Effect of spray angle on Ni particle deposition behaviour in cold spray. <i>Surface Engineering</i> , 2018, 34, 352-360. | 2.2 | 17 |
| 88 | On the role of oxide film's cleaning effect into the metallurgical bonding during cold spray. <i>Materials Letters</i> , 2018, 210, 199-202. | 2.6 | 53 |
| 89 | Formation mechanisms of in-situ Al based intermetallic coatings manufactured by very-low pressure plasma spraying. <i>Surface and Coatings Technology</i> , 2018, 334, 300-304. | 4.8 | 5 |
| 90 | Solution precursor plasma spray process as an alternative rapid one-step route for the development of hierarchical ZnO films for improved photocatalytic degradation. <i>Ceramics International</i> , 2018, 44, 2085-2092. | 4.8 | 22 |

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| 91 | Effect of heat treatment on the phase transformation and mechanical properties of Ti6Al4V fabricated by selective laser melting. <i>Journal of Alloys and Compounds</i> , 2018, 764, 1056-1071. | 5.5 | 219 |
| 92 | Deep deoxidization from liquid iron by hydrogen plasma arc melting. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 12153-12157. | 7.1 | 6 |
| 93 | Cold-Sprayed AZ91D Coating and SiC/AZ91D Composite Coatings. <i>Coatings</i> , 2018, 8, 122. | 2.6 | 8 |
| 94 | Microstructural, mechanical and tribological properties of suspension plasma sprayed YSZ/h-BN composite coating. <i>Journal of the European Ceramic Society</i> , 2018, 38, 4512-4522. | 5.7 | 33 |
| 95 | Tunable morphologies of ZnO films via the solution precursor plasma spray process for improved photocatalytic degradation performance. <i>Applied Surface Science</i> , 2018, 455, 970-979. | 6.1 | 21 |
| 96 | In-situ formation of Ni-Al intermetallics-coated graphite/Al composite in a cold-sprayed coating and its high temperature tribological behaviors. <i>Journal of Materials Science and Technology</i> , 2017, 33, 507-515. | 10.7 | 29 |
| 97 | Effects of laser remelting process on the microstructure, roughness and microhardness of in-situ cold sprayed hypoeutectic Al-Si coating. <i>Surface and Coatings Technology</i> , 2017, 318, 355-359. | 4.8 | 31 |
| 98 | Microstructural evolution and mechanical properties enhancement of a cold-sprayed Cu Zn alloy coating with friction stir processing. <i>Materials Characterization</i> , 2017, 125, 76-82. | 4.4 | 64 |
| 99 | Influence of Laser Glazing on the Characterization of Plasma-Sprayed YSZ Coatings. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 93-99. | 3.1 | 3 |
| 100 | Light assisted room-temperature NO ₂ sensors with enhanced performance based on black SnO _{1-1±} @ZnO 1-1± @SnO 2-1± nanocomposite coatings deposited by solution precursor plasma spray. <i>Ceramics International</i> , 2017, 43, 5990-5998. | 4.8 | 18 |
| 101 | Effects of ceramic particle size on microstructure and the corrosion behavior of cold sprayed SiCp/Al 5056 composite coatings. <i>Surface and Coatings Technology</i> , 2017, 315, 314-325. | 4.8 | 48 |
| 102 | APS prepared NiCrBSi-YSZ composite coatings for protection against cavitation erosion. <i>Journal of Alloys and Compounds</i> , 2017, 699, 1095-1103. | 5.5 | 45 |
| 103 | Ultrasonic cavitation erosion of as-sprayed and laser-remelted yttria stabilized zirconia coatings. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3623-3630. | 5.7 | 24 |
| 104 | A novel approach to in-situ produce functionally graded silicon matrix composite materials by selective laser melting. <i>Composite Structures</i> , 2017, 172, 251-258. | 5.8 | 23 |
| 105 | Cavitation erosion of plasma sprayed YSZ coatings produced by feedstocks with different initial sizes. <i>Tribology International</i> , 2017, 111, 226-233. | 5.9 | 14 |
| 106 | An investigation on selective laser melting of Al-Cu-Fe-Cr quasicrystal: From single layer to multilayers. <i>Intermetallics</i> , 2017, 86, 51-58. | 3.9 | 29 |
| 107 | Significance of in-situ dry-ice blasting on the microstructure, crystallinity and bonding strength of plasma-sprayed hydroxyapatite coatings. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 71, 136-147. | 3.1 | 12 |
| 108 | Deposition and characterization of WC-Co hard-metal coatings by high velocity oxy-fuel process combined with dry-ice blasting. <i>International Journal of Refractory Metals and Hard Materials</i> , 2017, 64, 151-159. | 3.8 | 8 |

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| 109 | Influence of preheating processes on the microstructure of laser glazed YSZ coatings. <i>Ceramics International</i> , 2017, 43, 4606-4611. | 4.8 | 22 |
| 110 | Role of Mo on tribological properties of atmospheric plasma-sprayed Mo-NiCrBSi composite coatings under dry and oil-lubricated conditions. <i>Journal of Alloys and Compounds</i> , 2017, 727, 841-850. | 5.5 | 47 |
| 111 | Oxidation Behavior of Titanium Carbonitride Coating Deposited by Atmospheric Plasma Spray Synthesis. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 1701-1707. | 3.1 | 6 |
| 112 | Numerical investigation of transient coating build-up and heat transfer in cold spray. <i>Surface and Coatings Technology</i> , 2017, 326, 355-365. | 4.8 | 24 |
| 113 | Characterization of the microstructure of a selective laser melting processed Al-50Si alloy: Effect of heat treatments. <i>Materials Characterization</i> , 2017, 130, 243-249. | 4.4 | 47 |
| 114 | Investigation of the crystallinity of suspension plasma sprayed hydroxyapatite coatings. <i>Journal of the European Ceramic Society</i> , 2017, 37, 5017-5021. | 5.7 | 51 |
| 115 | Room-temperature nitrogen-dioxide sensors based on ZnO λ^2 x coatings deposited by solution precursor plasma spray. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 102-111. | 7.8 | 65 |
| 116 | Effect of Substrate Type on Deposition Behavior and Wear Performance of Ni-Coated Graphite/Al Composite Coatings Deposited by Cold Spraying. <i>Journal of Materials Science and Technology</i> , 2017, 33, 338-346. | 10.7 | 40 |
| 117 | A novel spiral trajectory for damage component recovery with cold spray. <i>Surface and Coatings Technology</i> , 2017, 309, 719-728. | 4.8 | 44 |
| 118 | Microstructure and strength analysis of eutectic Al-Si alloy in-situ manufactured using selective laser melting from elemental powder mixture. <i>Journal of Alloys and Compounds</i> , 2017, 691, 316-322. | 5.5 | 110 |
| 119 | Investigation on the influence of particle preheating temperature on bonding of cold-sprayed nickel coatings. <i>Surface and Coatings Technology</i> , 2017, 318, 99-105. | 4.8 | 41 |
| 120 | On the texture, phase and tensile properties of commercially pure Ti produced via selective laser melting assisted by static magnetic field. <i>Materials Science and Engineering C</i> , 2017, 70, 405-407. | 7.3 | 53 |
| 121 | Cold gas dynamic spraying of a novel micro-alloyed copper: Microstructure, mechanical properties. <i>Journal of Alloys and Compounds</i> , 2016, 686, 399-406. | 5.5 | 21 |
| 122 | Wear behavior and microstructure of hypereutectic Al-Si alloys prepared by selective laser melting. <i>Applied Surface Science</i> , 2016, 378, 142-149. | 6.1 | 137 |
| 123 | In-situ TiB/near λ^2 Ti matrix composites manufactured by selective laser melting. <i>Additive Manufacturing</i> , 2016, 11, 1-6. | 3.0 | 50 |
| 124 | Gas Flow, Particle Acceleration, and Heat Transfer in Cold Spray: A review. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 874-896. | 3.1 | 111 |
| 125 | Modification of a cold sprayed SiC p /Al5056 composite coating by friction stir processing. <i>Surface and Coatings Technology</i> , 2016, 296, 69-75. | 4.8 | 75 |
| 126 | Effect of Tool Rotation Speed on Microstructure and Microhardness of Friction-Stir-Processed Cold-Sprayed SiCp/Al5056 Composite Coating. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 1357-1364. | 3.1 | 17 |

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| 127 | Nozzle Mounting Method Optimization Based on Robot Kinematic Analysis. Journal of Thermal Spray Technology, 2016, 25, 1138-1148. | 3.1 | 8 |
| 128 | Cavitation erosion of plasma-sprayed CoMoCrSi coatings. Tribology International, 2016, 102, 429-435. | 5.9 | 56 |
| 129 | Effect of Substrate Preheating on Adhesive Strength of SS 316L Cold Spray Coatings. Journal of Thermal Spray Technology, 2016, 25, 123-130. | 3.1 | 41 |
| 130 | Evaluation of the interfacial bonding between particles and substrate in angular cold spray. Materials Letters, 2016, 173, 76-79. | 2.6 | 45 |
| 131 | Macrosegregation mechanism of primary silicon phase in selective laser melting hypereutectic Al-Si alloy. Journal of Alloys and Compounds, 2016, 662, 259-262. | 5.5 | 40 |
| 132 | THERMAL SHOCK PROPERTIES OF YTTRIA-STABILIZED ZIRCONIA COATINGS DEPOSITED USING LOW-ENERGY VERY LOW PRESSURE PLASMA SPRAYING. Surface Review and Letters, 2015, 22, 1550061. | 1.1 | 4 |
| 133 | Effect of high-temperature preheating on the selective laser melting of yttria-stabilized zirconia ceramic. Journal of Materials Processing Technology, 2015, 222, 61-74. | 6.3 | 101 |
| 134 | Microstructure and properties of nanostructured YSZ coating prepared by suspension plasma spraying at low pressure. Surface and Coatings Technology, 2015, 261, 318-326. | 4.8 | 13 |
| 135 | Effect of the deviation of the current density profile center on the three-dimensional non-transferred arc plasma torch. Computers and Fluids, 2015, 114, 163-171. | 2.5 | 7 |
| 136 | Effect of dry-ice blasting on the deposition behavior of molybdenum particles onto aluminum and stainless steel substrates using plasma spraying: From single splat to coating. Surface and Coatings Technology, 2015, 268, 46-51. | 4.8 | 9 |
| 137 | Dielectric properties of Al ₂ O ₃ coatings deposited via atmospheric plasma spraying and dry-ice blasting correlated with microstructural characteristics. Applied Physics A: Materials Science and Processing, 2015, 118, 283-290. | 2.3 | 5 |
| 138 | Deposition features of cold sprayed copper particles on preheated substrate. Surface and Coatings Technology, 2015, 268, 252-256. | 4.8 | 41 |
| 139 | The effect of heat treatment on microstructure and tensile properties of cold spray Zr base metal glass/Cu composite. Surface and Coatings Technology, 2015, 280, 64-71. | 4.8 | 31 |
| 140 | Interfacial bonding features of Ni coating on Al substrate with different surface pretreatments in cold spray. Materials Letters, 2015, 138, 143-147. | 2.6 | 48 |
| 141 | Steel coating application for engine block bores by Plasma Transferred Wire Arc spraying process. Surface and Coatings Technology, 2015, 268, 115-122. | 4.8 | 35 |
| 142 | Microstructure and gas sensing properties of solution precursor plasma-sprayed zinc oxide coatings. Materials Research Bulletin, 2015, 63, 67-71. | 5.2 | 30 |
| 143 | Strong effect of carrier gas species on particle velocity during cold spray processes. Surface and Coatings Technology, 2015, 268, 90-93. | 4.8 | 49 |
| 144 | A study on the microstructure and tribological behavior of cold-sprayed metal matrix composites reinforced by particulate quasicrystal. Surface and Coatings Technology, 2015, 268, 94-98. | 4.8 | 46 |

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|-----|---|-----|-----------|
| 145 | Three-dimensional simulation of an argon-hydrogen DC non-transferred arc plasma torch. International Journal of Heat and Mass Transfer, 2015, 80, 644-652. | 4.8 | 28 |
| 146 | Microstructure and wear resistance of FeAl/Al ₂ O ₃ intermetallic composite coating prepared by atmospheric plasma spraying. Surface and Coatings Technology, 2015, 268, 24-29. | 4.8 | 41 |
| 147 | Deposition of NiCrBSi coatings by atmospheric plasma spraying and dry-ice blasting: Microstructure and wear resistance. Surface and Coatings Technology, 2015, 268, 36-45. | 4.8 | 19 |
| 148 | Effect of injection pressure on particle acceleration, dispersion and deposition in cold spray. Computational Materials Science, 2014, 90, 7-15. | 3.0 | 47 |
| 149 | Investigation of high temperature oxidation behavior and tribological performance on cold sprayed nickel-alumina composite coating. Surface and Coatings Technology, 2014, 239, 95-101. | 4.8 | 31 |
| 150 | Solution precursor plasma-sprayed tungsten oxide coatings for nitrogen dioxide detection. Ceramics International, 2014, 40, 11427-11431. | 4.8 | 25 |
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