

hanlin Liao

List of Publications by Year in descending order

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243
papers

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38660

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all docs

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docs citations

248
times ranked

5234
citing authors

#	ARTICLE	IF	CITATIONS
1	Bonding behavior of Bi-metal-deposits produced by hybrid cold spray additive manufacturing. <i>Journal of Materials Processing Technology</i> , 2022, 299, 117375.	3.1	11
2	On the role of volumetric energy density in the microstructure and mechanical properties of laser powder bed fusion Ti-6Al-4V alloy. <i>Additive Manufacturing</i> , 2022, 51, 102605.	1.7	6
3	Effects of laser scanning speed and building direction on the microstructure and mechanical properties of selective laser melted Inconel 718 superalloy. <i>Materials Today Communications</i> , 2022, 30, 103095.	0.9	4
4	Microstructure evolution and mechanical properties of laser additive manufactured Ti6Al4V alloy under nitrogen-argon reactive atmosphere. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 841, 143076.	2.6	6
5	Enhanced mechanical properties of Ti6Al4V alloy fabricated by laser additive manufacturing under static magnetic field. <i>Materials Research Letters</i> , 2022, 10, 530-538.	4.1	31
6	Dynamic self-optimization of hierarchical NiAl architecture catalysing oxygen evolution reaction in alkaline water electrolysis. <i>Applied Materials Today</i> , 2022, 28, 101526.	2.3	3
7	Effect of building directions on the surface roughness, microstructure, and tribological properties of selective laser melted Inconel 625. <i>Journal of Materials Processing Technology</i> , 2021, 288, 116878.	3.1	49
8	Selective laser melting (SLM) of CX stainless steel: Theoretical calculation, process optimization and strengthening mechanism. <i>Journal of Materials Science and Technology</i> , 2021, 73, 151-164.	5.6	61
9	Influence of spray trajectories on characteristics of cold-sprayed copper deposits. <i>Surface and Coatings Technology</i> , 2021, 405, 126703.	2.2	21
10	Oxygen-deficient Co ₃ O ₄ submicron porous sphere films as highly active supercapacitor electrodes. <i>Surface and Coatings Technology</i> , 2021, 405, 126513.	2.2	5
11	Synthesis of carbon nanotube reinforced Al matrix composite coatings via cold spray deposition. <i>Surface and Coatings Technology</i> , 2021, 405, 126676.	2.2	11
12	Effect of environmental pressure on the microstructure of YSZ thermal barrier coating via suspension plasma spraying. <i>Journal of the European Ceramic Society</i> , 2021, 41, 535-543.	2.8	22
13	Cold spray additive manufacturing of Invar 36 alloy: microstructure, thermal expansion and mechanical properties. <i>Journal of Materials Science and Technology</i> , 2021, 72, 39-51.	5.6	37
14	Novel liquid fuel HVOF torches fueled with ethanol: relationships between in-flight particle characteristics and properties of WC-10Co-4Cr coatings. <i>Surface and Coatings Technology</i> , 2021, 408, 126805.	2.2	6
15	Effect of Laser Energy Density on Surface Morphology, Microstructure, and Magnetic Properties of Selective Laser Melted Fe-3wt.% Si Alloys. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 5020-5030.	1.2	13
16	New Process Implementation to Enhance Cold Spray-Based Additive Manufacturing. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 1284-1293.	1.6	13
17	Implementation of Artificial Neural Networks for Forecasting the HVOF Spray Process and HVOF Sprayed Coatings. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 1329-1343.	1.6	9
18	Microstructure and magnetic properties of FeSiBCrC soft magnetic alloy manufactured by selective laser melting. <i>Materials Letters</i> , 2021, 290, 129469.	1.3	15

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19	Microstructure, interface characteristics and tribological properties of laser clad NiCrBSi-WC coatings on PH 13-8 Mo steel. <i>Tribology International</i> , 2021, 157, 106873.	3.0	39
20	Dense nanostructured YSZ coating prepared by low-pressure suspension plasma spraying: Atmosphere control and deposition mechanism. <i>Surface and Coatings Technology</i> , 2021, 416, 127175.	2.2	5
21	Description and Prediction of Multi-layer Profile in Cold Spray Using Artificial Neural Networks. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 1453-1463.	1.6	8
22	Al matrix composites fabricated by solid-state cold spray deposition: A critical review. <i>Journal of Materials Science and Technology</i> , 2021, 86, 20-55.	5.6	48
23	In-situ nitrogen strengthening of selective laser melted Ti6Al4V with superior mechanical performance. <i>Additive Manufacturing</i> , 2021, 46, 102142.	1.7	6
24	Effect of annealing treatment on microstructure and mechanical properties of cold sprayed TiB ₂ /AlSi10Mg composites. <i>Surfaces and Interfaces</i> , 2021, 26, 101341.	1.5	5
25	Nitrogen species in a thermal plasma under very low pressure (150 Pa): Application to reactive plasma spraying. <i>Ceramics International</i> , 2021, 47, 30030-30038.	2.3	1
26	Effects of Static Magnetic Field on the Microstructure of Selective Laser Melted Inconel 625 Superalloy: Numerical and Experiment Investigations. <i>Metals</i> , 2021, 11, 1846.	1.0	7
27	Effect of heat treatment on residual stress and wear resistance of CX stainless steel manufactured by Selective Laser Melting. <i>Procedia CIRP</i> , 2021, 104, 738-743.	1.0	11
28	Influence of the pore size and porosity of selective laser melted Ti6Al4V ELI porous scaffold on cell proliferation, osteogenesis and bone ingrowth. <i>Materials Science and Engineering C</i> , 2020, 106, 110289.	3.8	158
29	Deposition of hollow sphere In ₂ O ₃ coatings by liquid flame spray. <i>Surface Engineering</i> , 2020, 36, 1121-1127.	1.1	3
30	Performance of plasma-sprayed CuNiIn coatings and Mo coatings subjected to fretting fatigue. <i>Nano Materials Science</i> , 2020, 2, 140-150.	3.9	5
31	A new approach to simulate coating thickness in cold spray. <i>Surface and Coatings Technology</i> , 2020, 382, 125151.	2.2	32
32	Cold spray additive manufacturing of metal matrix composites (MMCs) using a novel nano-TiB ₂ -reinforced 7075Al powder. <i>Journal of Alloys and Compounds</i> , 2020, 819, 152962.	2.8	34
33	Parametric Analysis and Modeling for the Porosity Prediction in Suspension Plasma-Sprayed Coatings. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 51-59.	1.6	8
34	Influence of laminated architectures of heterostructured CeO ₂ -ZnO and Fe ₂ O ₃ -ZnO films on photodegradation performances. <i>Surface and Coatings Technology</i> , 2020, 403, 126367.	2.2	9
35	Corrosion behavior of cold sprayed 7075Al composite coating reinforced with TiB ₂ nanoparticles. <i>Surface and Coatings Technology</i> , 2020, 404, 126460.	2.2	20
36	Microstructure and mechanical deformation behavior of selective laser melted Ti6Al4V ELI alloy porous structures. <i>Materials Letters</i> , 2020, 277, 128366.	1.3	14

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37	Study of the microstructure and mechanical performance of C-X stainless steel processed by selective laser melting (SLM). <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 781, 139227.	2.6	57
38	Highly sensitive ZnO nanoparticles-loaded In ₂ O ₃ hollow microsphere for detecting ppb-level NO ₂ at low working temperature. <i>Progress in Natural Science: Materials International</i> , 2020, 30, 469-476.	1.8	17
39	Micro-nano structured functional coatings deposited by liquid plasma spraying. <i>Journal of Advanced Ceramics</i> , 2020, 9, 517-534.	8.9	39
40	Effect of Static Magnetic Field on the Evolution of Residual Stress and Microstructure of Laser Remelted Inconel 718 Superalloy. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 1410-1423.	1.6	9
41	Effect of heat treatment on the corrosion resistance behavior of selective laser melted Ti6Al4V ELI. <i>Surface and Coatings Technology</i> , 2020, 396, 125955.	2.2	25
42	Stable layer-building strategy to enhance cold-spray-based additive manufacturing. <i>Additive Manufacturing</i> , 2020, 35, 101356.	1.7	19
43	Characterization of Optical Fibers Directly Embedded on Metal Using a Particle Spray-Based Method. <i>IEEE Sensors Journal</i> , 2020, 20, 6414-6421.	2.4	3
44	Tribological properties of Al/diamond composites produced by cold spray additive manufacturing. <i>Additive Manufacturing</i> , 2020, 36, 101434.	1.7	12
45	Porous architecture and thermal properties of thermal barrier coatings deposited by suspension plasma spray. <i>Surface and Coatings Technology</i> , 2020, 386, 125462.	2.2	27
46	Selective laser melting of elemental powder blends for fabrication of homogeneous bulk material of near-eutectic Ni-Sn composition. <i>Additive Manufacturing</i> , 2020, 34, 101261.	1.7	6
47	SiCp/Al5056 Composite Coatings Applied to A Magnesium Substrate by Cold Gas Dynamic Spray Method for Corrosion Protection. <i>Coatings</i> , 2020, 10, 325.	1.2	7
48	Microstructure and tribological property of selective laser melted Fe-Mn-Al-C alloy. <i>Materials Letters</i> , 2020, 270, 127699.	1.3	12
49	Microstructure and mechanical properties of pure copper manufactured by selective laser melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 789, 139615.	2.6	76
50	Pure copper components fabricated by cold spray (CS) and selective laser melting (SLM) technology. <i>Surface and Coatings Technology</i> , 2020, 395, 125936.	2.2	61
51	Heterostructured metal oxides-ZnO nanorods films prepared by SPPS route for photodegradation applications. <i>Surface and Coatings Technology</i> , 2019, 375, 670-680.	2.2	27
52	Preparation and characterization of aluminum-based coatings deposited by very low-pressure plasma spray. <i>Surface and Coatings Technology</i> , 2019, 380, 125034.	2.2	6
53	Wear and corrosion resistant performance of thermal-sprayed Fe-based amorphous coatings: A review. <i>Surface and Coatings Technology</i> , 2019, 377, 124896.	2.2	133
54	Prediction and analysis of high velocity oxy fuel (HVOF) sprayed coating using artificial neural network. <i>Surface and Coatings Technology</i> , 2019, 378, 124988.	2.2	27

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55	Cold sprayed WC reinforced maraging steel 300 composites: Microstructure characterization and mechanical properties. <i>Journal of Alloys and Compounds</i> , 2019, 785, 499-511.	2.8	23
56	A novel approach for fabricating a CNT/AlSi composite with the self-aligned nacre-like architecture by cold spraying. <i>Nano Materials Science</i> , 2019, 1, 137-141.	3.9	13
57	Influence of annealing treatment on microstructure and magnetic properties of cold sprayed Ni-coated FeSiAl soft magnetic composite coating. <i>Surface and Coatings Technology</i> , 2019, 374, 476-484.	2.2	20
58	A spherical surface coating thickness model for a robotized thermal spray system. <i>Robotics and Computer-Integrated Manufacturing</i> , 2019, 59, 297-304.	6.1	17
59	Fatigue strength improvement of selective laser melted Ti6Al4V using ultrasonic surface mechanical attrition. <i>Materials Research Letters</i> , 2019, 7, 327-333.	4.1	60
60	Effects of substrate heat accumulation on the cold sprayed Ni coating quality: Microstructure evolution and tribological performance. <i>Surface and Coatings Technology</i> , 2019, 371, 185-193.	2.2	7
61	Numerical simulation and experimental study of Ar-H ₂ DC atmospheric plasma spraying. <i>Surface and Coatings Technology</i> , 2019, 371, 312-321.	2.2	11
62	Strengthened Peening Effect on Metallurgical Bonding Formation in Cold Spray Additive Manufacturing. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 769-779.	1.6	32
63	Three dimensional dendritic morphology and orientation transition induced by high static magnetic field in directionally solidified Al-10wt.%Zn alloy. <i>Journal of Materials Science and Technology</i> , 2019, 35, 1587-1592.	5.6	18
64	Effect of hot isostatic pressing (HIP) on microstructure and mechanical properties of Ti6Al4V alloy fabricated by cold spray additive manufacturing. <i>Additive Manufacturing</i> , 2019, 27, 595-605.	1.7	82
65	Deposition of binder-free oxygen-vacancies NiCo ₂ O ₄ based films with hollow microspheres via solution precursor thermal spray for supercapacitors. <i>Ceramics International</i> , 2019, 45, 10722-10732.	2.3	20
66	Development of photocatalytically active heterostructured MnO/ZnO and CuO/ZnO films via solution precursor plasma spray process. <i>Surface and Coatings Technology</i> , 2019, 371, 107-116.	2.2	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. <i>ACS Applied Energy Materials</i> , 2019, 2, 8809-8817.	2.5	11
68	Evaluation of nano/submicro pores in suspension plasma sprayed YSZ coatings. <i>Surface and Coatings Technology</i> , 2019, 378, 125001.	2.2	7
69	Experiments, Statistical Analysis, and Modeling to Evaluate the Porosity Influence in SPS Coatings. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 76-86.	1.6	6
70	Mechanical and inÂvitro study of an isotropic Ti6Al4V lattice structure fabricated using selective laser melting. <i>Journal of Alloys and Compounds</i> , 2019, 782, 209-223.	2.8	112
71	Selective laser melting of WC reinforced maraging steel 300: Microstructure characterization and tribological performance. <i>Surface and Coatings Technology</i> , 2019, 371, 355-365.	2.2	44
72	VLPPS: An Emerging Process to Create Well-Defined Components by Additive Manufacturing. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 255-264.	1.6	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.	2.6	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.	2.2	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.	2.2	15
76	3D time-dependent numerical simulation for atmospheric plasma spraying. <i>Surface and Coatings Technology</i> , 2019, 371, 344-354.	2.2	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.	1.6	5
78	Experimental and numerical investigation of cavitation-induced erosion in thermal sprayed single splats. <i>Ultrasonics Sonochemistry</i> , 2019, 52, 336-343.	3.8	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.	5.0	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.	2.2	58
81	Metallization of polyether ether ketone (PEEK) by copper coating via cold spray. <i>Surface and Coatings Technology</i> , 2018, 342, 209-219.	2.2	59
82	Cold spray additive manufacturing and repair: Fundamentals and applications. <i>Additive Manufacturing</i> , 2018, 21, 628-650.	1.7	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.	2.8	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.	1.6	17
85	Selective laser melting of tungsten carbide reinforced maraging steel composite. <i>Additive Manufacturing</i> , 2018, 22, 104-110.	1.7	48
86	Microstructure and wear properties of selective laser melted WC reinforced 18Ni-300 steel matrix composite. <i>Vacuum</i> , 2018, 154, 69-74.	1.6	47
87	Effect of spray angle on Ni particle deposition behaviour in cold spray. <i>Surface Engineering</i> , 2018, 34, 352-360.	1.1	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.	1.3	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.	2.2	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.	2.3	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.	2.8	219
92	Deep deoxidization from liquid iron by hydrogen plasma arc melting. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 12153-12157.	3.8	6
93	Cold-Sprayed AZ91D Coating and SiC/AZ91D Composite Coatings. <i>Coatings</i> , 2018, 8, 122.	1.2	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.	2.8	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.	3.1	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.	5.6	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.	2.2	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.	1.9	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.	1.6	3
100	Light assisted room-temperature NO ₂ sensors with enhanced performance based on black SnO ₂ -ZnO nanocomposite coatings deposited by solution precursor plasma spray. <i>Ceramics International</i> , 2017, 43, 5990-5998.	2.3	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.	2.2	48
102	APS prepared NiCrBSi-YSZ composite coatings for protection against cavitation erosion. <i>Journal of Alloys and Compounds</i> , 2017, 699, 1095-1103.	2.8	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.	2.8	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.	3.1	23
105	Cavitation erosion of plasma sprayed YSZ coatings produced by feedstocks with different initial sizes. <i>Tribology International</i> , 2017, 111, 226-233.	3.0	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.	1.8	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.	1.5	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.	1.7	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.	2.3	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.	2.8	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.	1.6	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.	2.2	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.	1.9	47
114	Investigation of the crystallinity of suspension plasma sprayed hydroxyapatite coatings. <i>Journal of the European Ceramic Society</i> , 2017, 37, 5017-5021.	2.8	51
115	Room-temperature nitrogen-dioxide sensors based on ZnO α coatings deposited by solution precursor plasma spray. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 102-111.	4.0	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.	5.6	40
117	A novel spiral trajectory for damage component recovery with cold spray. <i>Surface and Coatings Technology</i> , 2017, 309, 719-728.	2.2	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.	2.8	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.	2.2	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.	3.8	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.	2.8	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.	3.1	137
123	In-situ TiB/near β Ti matrix composites manufactured by selective laser melting. <i>Additive Manufacturing</i> , 2016, 11, 1-6.	1.7	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.	1.6	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.	2.2	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.	1.6	17

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127	Nozzle Mounting Method Optimization Based on Robot Kinematic Analysis. Journal of Thermal Spray Technology, 2016, 25, 1138-1148.	1.6	8
128	Cavitation erosion of plasma-sprayed CoMoCrSi coatings. Tribology International, 2016, 102, 429-435.	3.0	56
129	Effect of Substrate Preheating on Adhesive Strength of SS 316L Cold Spray Coatings. Journal of Thermal Spray Technology, 2016, 25, 123-130.	1.6	41
130	Evaluation of the interfacial bonding between particles and substrate in angular cold spray. Materials Letters, 2016, 173, 76-79.	1.3	45
131	Macrosegregation mechanism of primary silicon phase in selective laser melting hypereutectic Al-Si High Si alloy. Journal of Alloys and Compounds, 2016, 662, 259-262.	2.8	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.	0.5	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.	3.1	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.	2.2	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.	1.3	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.	2.2	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.	1.1	5
138	Deposition features of cold sprayed copper particles on preheated substrate. Surface and Coatings Technology, 2015, 268, 252-256.	2.2	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.	2.2	31
140	Interfacial bonding features of Ni coating on Al substrate with different surface pretreatments in cold spray. Materials Letters, 2015, 138, 143-147.	1.3	48
141	Steel coating application for engine block bores by Plasma Transferred Wire Arc spraying process. Surface and Coatings Technology, 2015, 268, 115-122.	2.2	35
142	Microstructure and gas sensing properties of solution precursor plasma-sprayed zinc oxide coatings. Materials Research Bulletin, 2015, 63, 67-71.	2.7	30
143	Strong effect of carrier gas species on particle velocity during cold spray processes. Surface and Coatings Technology, 2015, 268, 90-93.	2.2	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.	2.2	46

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145	Three-dimensional simulation of an argon-hydrogen DC non-transferred arc plasma torch. <i>International Journal of Heat and Mass Transfer</i> , 2015, 80, 644-652.	2.5	28
146	Microstructure and wear resistance of FeAl/Al ₂ O ₃ intermetallic composite coating prepared by atmospheric plasma spraying. <i>Surface and Coatings Technology</i> , 2015, 268, 24-29.	2.2	41
147	Deposition of NiCrBSi coatings by atmospheric plasma spraying and dry-ice blasting: Microstructure and wear resistance. <i>Surface and Coatings Technology</i> , 2015, 268, 36-45.	2.2	19
148	Effect of injection pressure on particle acceleration, dispersion and deposition in cold spray. <i>Computational Materials Science</i> , 2014, 90, 7-15.	1.4	47
149	Investigation of high temperature oxidation behavior and tribological performance on cold sprayed nickel-alumina composite coating. <i>Surface and Coatings Technology</i> , 2014, 239, 95-101.	2.2	31
150	Solution precursor plasma-sprayed tungsten oxide coatings for nitrogen dioxide detection. <i>Ceramics International</i> , 2014, 40, 11427-11431.	2.3	25
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