

Changhee Lee

List of Publications by Year in descending order

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196
papers

5,703
citations

71102

41
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63
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201
all docs

201
docs citations

201
times ranked

2680
citing authors

#	ARTICLE	IF	CITATIONS
1	General aspects of interface bonding in kinetic sprayed coatings. <i>Acta Materialia</i> , 2008, 56, 4858-4868.	7.9	379
2	Bonding features and associated mechanisms in kinetic sprayed titanium coatings. <i>Acta Materialia</i> , 2009, 57, 5654-5666.	7.9	262
3	An Experimental and Finite Element Study of Cold Spray Copper Impact onto Two Aluminum Substrates. <i>Journal of Thermal Spray Technology</i> , 2010, 19, 620-634.	3.1	159
4	The rebound phenomenon in kinetic spraying deposition. <i>Scripta Materialia</i> , 2006, 54, 665-669.	5.2	126
5	Photocatalytic properties of nano-structured TiO ₂ plasma sprayed coating. <i>Surface and Coatings Technology</i> , 2003, 173, 192-200.	4.8	110
6	Microstructure of Kinetic Spray Coatings: A Review. <i>Journal of Thermal Spray Technology</i> , 2015, 24, 592-610.	3.1	103
7	Orowan strengthening effect on the nanoindentation hardness of the ferrite matrix in microalloyed steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 487, 552-557.	5.6	102
8	Residual stress and crack initiation in laser clad composite layer with Co-based alloy and WC + NiCr. <i>Applied Surface Science</i> , 2015, 345, 286-294.	6.1	96
9	Measurement of particle velocity and characterization of deposition in aluminum alloy kinetic spraying process. <i>Applied Surface Science</i> , 2005, 252, 1368-1377.	6.1	94
10	Prediction for the austenite grain size in the presence of growing particles in the weld HAZ of Ti-microalloyed steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 459, 40-46.	5.6	88
11	Investigations of the microstructure evolution and tensile deformation behavior of austenitic Fe-Mn-Al-C lightweight steels and the effect of Mo addition. <i>Acta Materialia</i> , 2018, 147, 226-235.	7.9	87
12	Prediction Model for the Austenite Grain Size in the Coarse Grained Heat Affected Zone of Fe-C-Mn Steels: Considering the Effect of Initial Grain Size on Isothermal Growth Behavior. <i>ISIJ International</i> , 2004, 44, 1230-1237.	1.4	85
13	Oxidation dependency of critical velocity for aluminum feedstock deposition in kinetic spraying process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 486, 300-307.	5.6	85
14	Correlation of particle impact conditions with bonding, nanocrystal formation and mechanical properties in kinetic sprayed nickel. <i>Acta Materialia</i> , 2012, 60, 3524-3535.	7.9	80
15	Dynamic amorphization and recrystallization of metals in kinetic spray process. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	78
16	Effect of Complex Inclusion Particles on the Solidification Structure of Fe-Ni-Mn-Mo Alloy. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2012, 43, 1550-1564.	2.1	75
17	The bond strength of Al-Si coating on mild steel by kinetic spraying deposition. <i>Applied Surface Science</i> , 2006, 252, 7809-7814.	6.1	66
18	Microstructure Evolution of Titanium Nitride Film during Vacuum Kinetic Spraying. <i>Journal of the American Ceramic Society</i> , 2013, 96, 40-43.	3.8	66

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19	Factors Affecting the Inclusion Potency for Acicular Ferrite Nucleation in High-Strength Steel Welds. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 2842-2854.	2.2	64
20	Influence of Ti on non-metallic inclusion formation and acicular ferrite nucleation in high-strength low-alloy steel weld metals. Metals and Materials International, 2014, 20, 119-127.	3.4	63
21	Deposition behavior of bulk amorphous NiTiZrSiSn according to the kinetic and thermal energy levels in the kinetic spraying process. Surface and Coatings Technology, 2006, 200, 6022-6029.	4.8	62
22	Fatigue crack growth behavior of the simulated HAZ of 800MPa grade high-performance steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 2331-2338.	5.6	62
23	Influence of substrate roughness on bonding mechanism in cold spray. Surface and Coatings Technology, 2016, 304, 592-605.	4.8	62
24	The Effects of Successive Impacts and Cold Welds on the Deposition Onset of Cold Spray Coatings. Journal of Thermal Spray Technology, 2010, 19, 575-585.	3.1	60
25	Tribological behavior of B4C reinforced Fe-base bulk metallic glass composite coating. Surface and Coatings Technology, 2010, 205, 1962-1968.	4.8	59
26	Phase evolutions of bulk amorphous NiTiZrSiSn feedstock during thermal and kinetic spraying processes. Scripta Materialia, 2005, 53, 125-130.	5.2	58
27	Role of Ca treatment in hydrogen induced cracking of hot rolled API pipeline steel in acid sour media. Metals and Materials International, 2013, 19, 45-48.	3.4	57
28	Coarsening kinetics of TiN particle in a low alloyed steel in weld HAZ: Considering critical particle size. Acta Materialia, 2006, 54, 1053-1061.	7.9	56
29	Formation of coating and tribological behavior of kinetic sprayed Fe-based bulk metallic glass. Journal of Alloys and Compounds, 2011, 509, 347-353.	5.5	56
30	Nanostructure formation and its effects on the mechanical properties of kinetic sprayed titanium coating. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 6313-6319.	5.6	54
31	Strain-enhanced nanocrystallization of a CuNiTiZr bulk metallic glass coating by a kinetic spraying process. Acta Materialia, 2009, 57, 6191-6199.	7.9	52
32	Deposition characteristics of copper particles on roughened substrates through kinetic spraying. Applied Surface Science, 2009, 255, 3472-3479.	6.1	51
33	Effect of particle size on the microstructure and properties of kinetic sprayed nickel coatings. Surface and Coatings Technology, 2010, 204, 3326-3335.	4.8	50
34	Characteristics and heat treatment of cold-sprayed Al-Sn binary alloy coatings. Applied Surface Science, 2009, 255, 3933-3939.	6.1	49
35	Effect of gas temperature on critical velocity and deposition characteristics in kinetic spraying. Applied Surface Science, 2007, 253, 3512-3520.	6.1	47
36	A new class of lightweight, stainless steels with ultra-high strength and large ductility. Scientific Reports, 2020, 10, 12140.	3.3	46

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37	Oxidation and crystallization mechanisms in plasma-sprayed Cu-based bulk metallic glass coatings. <i>Acta Materialia</i> , 2010, 58, 952-962.	7.9	43
38	Microstructure Evolution and Age-Hardening Behavior of Microalloyed Austenitic Fe-30Mn-9Al-0.9C Light-Weight Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 4500-4510.	2.2	43
39	Behavior of (Ti, Nb)(C, N) complex particle during thermomechanical cycling in the weld CGHAZ of a microalloyed steel. <i>Acta Materialia</i> , 2009, 57, 2311-2320.	7.9	42
40	Influence of Si on sigma phase precipitation and pitting corrosion in superaustenitic stainless steel weld metal. <i>Materials Chemistry and Physics</i> , 2018, 207, 91-97.	4.0	42
41	Advanced deposition characteristics of kinetic sprayed bronze/diamond composite by tailoring feedstock properties. <i>Composites Science and Technology</i> , 2009, 69, 463-468.	7.8	41
42	Dependence of Bonding Mechanisms of Cold Sprayed Coatings on Strain-Rate-Induced Non-Equilibrium Phase Transformation. <i>Journal of Thermal Spray Technology</i> , 2011, 20, 860-865.	3.1	41
43	Microstructural evolution and solidification cracking susceptibility of Fe-18Mn-0.6C-xAl steel welds. <i>Journal of Materials Science</i> , 2015, 50, 279-286.	3.7	41
44	Shock-induced plasticity and fragmentation phenomena during alumina deposition in the vacuum kinetic spraying process. <i>Scripta Materialia</i> , 2015, 100, 44-47.	5.2	40
45	A comparison of cross-tension properties and fracture behavior between similar and dissimilar resistance spot-weldments in medium-Mn TRIP steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 752, 206-216.	5.6	40
46	Kinetic spraying deposition behavior of bulk amorphous NiTiZrSiSn feedstock. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 415, 45-52.	5.6	36
47	Effect of thermo-mechanical cycling on the microstructure and strength of lath martensite in the weld CGHAZ of HSLA steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 7658-7662.	5.6	36
48	Characterization of atmospheric plasma spray NiCr-Cr ₂ O ₃ -Ag-CaF ₂ /BaF ₂ coatings. <i>Surface and Coatings Technology</i> , 2005, 195, 107-115.	4.8	35
49	Effect of particle parameters on the deposition characteristics of a hard/soft-particles composite in kinetic spraying. <i>Surface and Coatings Technology</i> , 2006, 201, 3457-3461.	4.8	35
50	Effect of gas flow rate on deposition behavior of Fe-based amorphous alloys in vacuum kinetic spray process. <i>Surface and Coatings Technology</i> , 2014, 259, 585-593.	4.8	35
51	Microstructure and texture of Al coating during kinetic spraying and heat treatment. <i>Journal of Materials Science</i> , 2012, 47, 4053-4061.	3.7	34
52	Effect of tungsten addition on high-temperature properties and microstructure of alumina-forming austenitic heat-resistant steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 647, 163-169.	5.6	34
53	Microstructure control to improve creep strength of alumina-forming austenitic heat-resistant steel by pre-strain. <i>Materials Characterization</i> , 2018, 137, 1-8.	4.4	33
54	The influence of process parameters on deposition characteristics of a soft/hard composite coating in kinetic spray process. <i>Applied Surface Science</i> , 2008, 254, 2269-2275.	6.1	32

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55	Interfacial bonding and microstructural evolution of Al in kinetic spraying. <i>Journal of Materials Science</i> , 2012, 47, 4649-4659.	3.7	32
56	Phase dependence of Fe-based bulk metallic glasses on properties of thermal spray coatings. <i>Journal of Alloys and Compounds</i> , 2009, 475, L9-L12.	5.5	31
57	Thermally activated reactions of multi-walled carbon nanotubes reinforced aluminum matrix composite during the thermal spray consolidation. <i>Materials Chemistry and Physics</i> , 2012, 133, 495-499.	4.0	31
58	Variation in microstructures and mechanical properties in the coarse-grained heat-affected zone of low-alloy steel with boron content. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 559, 178-186.	5.6	31
59	Effect of Ti Addition on Weld Microstructure and Inclusion Characteristics of Bainitic GMA Welds. <i>ISIJ International</i> , 2013, 53, 880-886.	1.4	31
60	Effect of Ni on the hot ductility and hot cracking susceptibility of high Mn austenitic cast steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 618, 295-304.	5.6	31
61	High speed impact behaviors of Al alloy particle onto mild steel substrate during kinetic deposition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 417, 114-119.	5.6	29
62	Impacting behavior of bulk metallic glass powder at an abnormally high strain rate during kinetic spraying. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 911-915.	5.6	29
63	Mechanical property enhancement of kinetic sprayed Al coatings reinforced by multi-walled carbon nanotubes. <i>Acta Materialia</i> , 2012, 60, 5031-5039.	7.9	29
64	Formation of Mn-depleted zone in Ti-containing weld metals. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2015, 59, 373-380.	2.5	29
65	Precipitation behavior of the sigma phase with Ni and Mn content variations in superaustenitic stainless steel weld metal. <i>Materials Characterization</i> , 2018, 144, 148-154.	4.4	29
66	Remarkable improvement in resistance spot weldability of medium-Mn TRIP steel by paint-baking heat treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 766, 138401.	5.6	29
67	Improved creep strength of alumina-forming austenitic heat-resistant steels through W addition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 696, 70-79.	5.6	28
68	Effect of in-flight particle oxidation on the phase evolution of HVOF NiTiZrSiSn bulk amorphous coating. <i>Journal of Materials Science</i> , 2005, 40, 6121-6126.	3.7	27
69	Evaluation of the effects of the crystallinity of kinetically sprayed NiTiZrSiSn bulk metallic glass on the scratch response. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 285-289.	5.6	27
70	Hot deformation behavior and microstructural evolution of alumina-forming austenitic heat-resistant steels during hot compression. <i>Materials Characterization</i> , 2017, 123, 207-217.	4.4	27
71	Precipitation behavior and its effect on mechanical properties in weld heat-affected zone in age hardened FeMnAlC lightweight steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 742, 61-68.	5.6	27
72	Limiting austenite grain size of TiN-containing steel considering the critical particle size. <i>Scripta Materialia</i> , 2007, 56, 1083-1086.	5.2	26

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73	Effect of Process Gas Flow on the Coating Microstructure and Mechanical Properties of Vacuum Kinetic-Sprayed TiN Layers. <i>Journal of Thermal Spray Technology</i> , 2013, 22, 1109-1119.	3.1	26
74	Effect of dilution on the behavior of solidification cracking in PTAW overlay deposit on Ni-Base superalloys. <i>Metals and Materials International</i> , 2002, 8, 469-477.	3.4	25
75	Effects of Inclusions and Microstructures on Impact Energy of High Heat-Input Submerged-Arc-Weld Metals. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2005, 127, 204-213.	1.4	25
76	Oxide Formation Mechanisms in High Manganese Steel Welds. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 2046-2054.	2.2	25
77	Dynamic fragmentation process and fragment microstructure evolution of alumina particles in a vacuum kinetic spraying system. <i>Scripta Materialia</i> , 2015, 108, 72-75.	5.2	25
78	Correlation of Fracture Mode Transition of Ceramic Particle with Critical Velocity for Successful Deposition in Vacuum Kinetic Spraying Process. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 327-339.	3.1	25
79	Influence of Nb addition on the particle coarsening and microstructure evolution in a Ti-containing steel weld HAZ. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 454-455, 648-653.	5.6	24
80	Effects of post-weld heat treatment cycles on microstructure and mechanical properties of electric resistance welded pipe welds. <i>Materials & Design</i> , 2012, 34, 685-690.	5.1	24
81	Influence of Mn -carbide precipitation on the microstructure and mechanical properties in the weld heat-affected zone in various FeMnAlC alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 726, 223-230.	5.6	24
82	Fusion Weldabilities of Advanced High Manganese Steels: A Review. <i>Metals and Materials International</i> , 2021, 27, 2046.	3.4	24
83	Critical Velocities for High Speed Particle Deposition in Kinetic Spraying. <i>Materials Transactions</i> , 2006, 47, 1723-1727.	1.2	23
84	Mn-Depleted Zone Formation in Rapidly Cooled High-Strength Low-Alloy Steel Welds. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 4753-4757.	2.2	23
85	Effect of vitreous enamel coating on the oxidation behavior of Ti6Al4V and TiAl alloys at high temperatures. <i>Journal of Coatings Technology Research</i> , 2008, 5, 93-98.	2.5	22
86	Development and microstructure optimization of atmospheric plasma-sprayed NiO/YSZ anode coatings for SOFCs. <i>Surface and Coatings Technology</i> , 2008, 202, 3180-3186.	4.8	21
87	Development of cermet coatings by kinetic spray technology for the application of die-soldering and erosion resistance. <i>Surface and Coatings Technology</i> , 2009, 204, 345-352.	4.8	21
88	Enhancement of metallic glass properties of Cu-based BMG coating by shroud plasma spraying. <i>Surface and Coatings Technology</i> , 2011, 205, 3020-3026.	4.8	21
89	Different aspect of pitting corrosion and interphase corrosion in the weld heat-affected zone of high-nitrogen Fe-18Cr-10Mn-N steel. <i>Materials Chemistry and Physics</i> , 2013, 142, 556-563.	4.0	21
90	Inflight Particle Behavior in the Vacuum Kinetic Spray Process. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 1616-1631.	3.1	21

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91	Characterization of Inclusions Formed in Ti-containing Steel Weld Metals. ISIJ International, 2015, 55, 1730-1738.	1.4	20
92	Variation in the Chemical Driving Force for Intragranular Nucleation in the Multi-pass Weld Metal of Ti-Containing High-Strength Low-Alloy Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 3581-3591.	2.2	20
93	Comparison of solid oxide fuel cell anode coatings prepared from different feedstock powders by atmospheric plasma spray method. Journal of Power Sources, 2007, 171, 441-447.	7.8	19
94	Bonding, Reactivity, and Mechanical Properties of the Kinetic-Sprayed Deposition of Al for a Thermally Activated Reactive Cu Liner. Journal of Thermal Spray Technology, 2014, 23, 818-826.	3.1	19
95	The importance of intimate inter-crystallite bonding for the plasma erosion resistance of vacuum kinetic sprayed Y ₂ O ₃ coating. Surface and Coatings Technology, 2019, 374, 493-499.	4.8	19
96	Characterization of the spraying beads deposited by the kinetic spraying process. Surface and Coatings Technology, 2005, 192, 374-381.	4.8	18
97	Fabrication of automotive heat exchanger using kinetic spraying process. Surface and Coatings Technology, 2007, 201, 9524-9532.	4.8	18
98	Influence of Oxygen Content on Microstructure and Inclusion Characteristics of Bainitic Weld Metals. ISIJ International, 2013, 53, 279-285.	1.4	18
99	Role of spray processes on microstructural evolution, and physical and mechanical properties of multi-walled carbon nanotube reinforced cu composite coatings. Applied Surface Science, 2015, 356, 1039-1051.	6.1	18
100	Correlation Between Microstructure and Low-Temperature Impact Toughness of Simulated Reheated Zones in the Multi-pass Weld Metal of High-Strength Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 177-186.	2.2	18
101	Computational Research on Factors Affecting Particle Velocity in a Vacuum Kinetic Spray Process. Journal of Thermal Spray Technology, 2019, 28, 1945-1958.	3.1	18
102	Effect of Plasma Nitriding and Nitrocarburizing on HVOF-Sprayed Stainless Steel Coatings. Journal of Thermal Spray Technology, 2013, 22, 1366-1373.	3.1	17
103	Characterization of the Gas Tungsten Arc Welded Cu ₅₄ Ni ₆ Zr ₂₂ Ti ₁₈ Bulk Metallic Glass Weld. Materials Transactions, 2005, 46, 1440-1442.	1.2	16
104	Correlation between microstructure and mechanical properties of heat affected zones in Fe ₈ Mn _{0.06} C steel welds. Materials Chemistry and Physics, 2014, 146, 175-182.	4.0	16
105	Possibility of Mn substitution of Ni through evaluation of mechanical properties and corrosion resistance in superaustenitic stainless steel weld metal. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 733, 16-23.	5.6	16
106	Roles of (Fe, Mn) ₃ Al Precipitates and MBIP on the Hot Ductility Behavior of Fe ₃₀ Mn ₉ Al _{0.9} C Lightweight Steels. Metals and Materials International, 2019, 25, 1019-1026.	3.4	15
107	Tribological behavior of the kinetic sprayed Ni ₅₉ Ti ₁₆ Zr ₂₀ Si ₂ Sn ₃ bulk metallic glass. Journal of Alloys and Compounds, 2007, 434-435, 64-67.	5.5	14
108	Evaluation of Die-Soldering and Erosion Resistance of High Velocity Oxy-Fuel Sprayed MoB-Based Cermet Coatings. Journal of Thermal Spray Technology, 2011, 20, 1022-1034.	3.1	14

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109	Nanoscale deformation twinning at ultrahigh strain rates during kinetic spraying of nickel. <i>Materials Letters</i> , 2012, 89, 320-323.	2.6	14
110	Effect of titanium content on weld microstructure and mechanical properties of bainitic GMA welds. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2014, 58, 893-901.	2.5	14
111	Effect of thermal and thermo-mechanical cycling on the boron segregation behavior in the coarse-grained heat-affected zone of low-alloy steel. <i>Materials Characterization</i> , 2016, 116, 65-75.	4.4	14
112	Phase evolutions of plasma sprayed ceria and yttria stabilized zirconia thermal barrier coating. <i>Journal of Materials Science Letters</i> , 2002, 21, 1359-1361.	0.5	13
113	The effect of the precipitates type on the thermal fatigue properties of 18% Cr ferritic stainless steel weld HAZ. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 546, 97-102.	5.6	13
114	Characterization of bond line discontinuities in a high-Mn TWIP steel pipe welded by HF-ERW. <i>Materials Characterization</i> , 2016, 118, 14-21.	4.4	13
115	The role of phosphorus in precipitation behavior and its effect on the creep properties of alumina-forming austenitic heat-resistant steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 684, 14-21.	5.6	13
116	Cooling rate effect on phase transformation of plasma sprayed partially stabilized zirconia. <i>Journal of Materials Science Letters</i> , 2001, 20, 1611-1613.	0.5	12
117	Dependence of initial powder temperature on impact behaviour of bulk metallic glass in a kinetic spray process. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 082004.	2.8	12
118	Effects of alloying elements on the thermal fatigue properties of the ferritic stainless steel weld HAZ. <i>Procedia Engineering</i> , 2011, 10, 383-389.	1.2	12
119	Deposition Behavior and Microstructural Features of Vacuum Kinetic Sprayed Aluminum Nitride. <i>Journal of Thermal Spray Technology</i> , 2013, 22, 882-891.	3.1	12
120	Corrosion fatigue behaviors of HSB800 and its HAZs in air and seawater environments. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 559, 751-758.	5.6	12
121	Effects of in-situ post-weld heat treatment on the microstructure and mechanical properties of the coarse-grained heat-affected zone in a resistance spot weld in medium Mn TRIP steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 788, 139477.	5.6	12
122	Effects of Silver Addition on Properties and Performance of Plasma Sprayed La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} Interconnect Layer. <i>Journal of Thermal Spray Technology</i> , 2008, 17, 708-714.	3.1	11
123	Effect of powder state on the deposition behaviour and coating development in kinetic spray process. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 075305.	2.8	11
124	Characteristics of inclusions in rutile-type FCAW weld metal. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2013, 57, 65-72.	2.5	11
125	Kinetic Spraying Deposition of Reactive-Enhanced Al-Ni Composite for Shaped Charge Liner Applications. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 483-493.	3.1	11
126	Correlation of microstructure with tribological properties in atmospheric plasma sprayed Mo-added ferrous coating. <i>Surface and Coatings Technology</i> , 2016, 307, 908-914.	4.8	11

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127	Correlation of Impact Conditions, Interface Reactions, Microstructural Evolution, and Mechanical Properties in Kinetic Spraying of Metals: A Review. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 1461-1489.	3.1	11
128	Improvement of circumferential ductility by reducing discontinuities in a high-Mn TWIP steel weldment. <i>Materials Characterization</i> , 2018, 139, 293-302.	4.4	11
129	Microstructural and Inclusion Characteristics of Ca-Mn Steel Welds at a Minimal Level of Titanium. <i>Metals and Materials International</i> , 2020, 26, 1226-1234.	3.4	11
130	Critical factors affecting the amorphous phase formation of NiTiZrSiSn bulk amorphous feedstock in vacuum plasma spray. <i>Journal of Materials Science</i> , 2005, 40, 3873-3875.	3.7	10
131	Effect of Cu and B addition on tempering behavior in the weld CGHAZ of high strength low alloy plate steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 497, 153-159.	5.6	10
132	Cracking behavior in a dissimilar weld between high silicon nodular cast iron and ferritic stainless steel. <i>Metals and Materials International</i> , 2010, 16, 483-488.	3.4	10
133	Effects of alloying elements on the thermal fatigue properties of the 15wt% Cr ferritic stainless steel weld HAZ. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 555, 44-51.	5.6	10
134	Electrical and mechanical properties of multi-walled carbon nanotube reinforced Al composite coatings fabricated by high velocity oxygen fuel spraying. <i>Surface and Coatings Technology</i> , 2012, 206, 4060-4067.	4.8	10
135	Room Temperature Synthesis of Highly Compact TiO ₂ Coatings by Vacuum Kinetic Spraying to Serve as a Blocking Layer in Polymer Electrolyte-Based Dye-Sensitized Solar Cells. <i>Journal of Thermal Spray Technology</i> , 2015, 24, 328-337.	3.1	10
136	Roles of Particle Size Distribution in Bimodal Feedstocks on the Deposition Behavior and Film Properties in Vacuum Kinetic Spraying. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 857-869.	3.1	10
137	Formation of Secondary Phases and Their Effect on the Mechanical Properties of Joints Formed by TLP Bonding Using Fe-Si Insert Metal in Duplex Stainless Steel. <i>Metals and Materials International</i> , 2019, 25, 425-438.	3.4	10
138	Characterization of Mechanical and Metallurgical Notch Effects of DP980 Steel Weld Joints in Fatigue Performance. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 1294-1307.	2.2	10
139	Promotion of the fragmentation and densification for a dense vacuum kinetic-sprayed Y ₂ O ₃ coating by heat-treatment of feedstock powder. <i>Ceramics International</i> , 2020, 46, 9016-9024.	4.8	10
140	Impact Behavior for Successful Particle-Particle Bonding in Vacuum Kinetic Spraying. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 542-557.	3.1	10
141	Microstructural features affecting optical properties of vacuum kinetic sprayed Al ₂ O ₃ thin film. <i>Surfaces and Interfaces</i> , 2017, 9, 114-123.	3.0	10
142	Coarsening Behavior of the (Ti, Nb)(C, N) Complex Particle in a Microalloyed Steel Weld Heat-Affected Zone Considering the Critical Particle Size. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007, 38, 2788-2795.	2.2	9
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