

Wenya Li

List of Publications by Year in descending order

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25034

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311
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311
docs citations

311
times ranked

4798
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of FSW process on anisotropic of titanium alloy T-joint. Materials and Manufacturing Processes, 2022, 37, 25-33.	4.7	9
2	Stationary shoulder friction stir welding “ low heat input joining technique: a review in comparison with conventional FSW and bobbin tool FSW. Critical Reviews in Solid State and Materials Sciences, 2022, 47, 865-914.	12.3	52
3	Solid State Welding for Fabricating Metallic Parts and Structures. , 2022, , 246-259.		5
4	Optimization of cold spray additive manufactured AA2024/Al ₂ O ₃ metal matrix composite with heat treatment. Journal of Materials Science and Technology, 2022, 106, 211-224.	10.7	28
5	Low cycle fatigue properties of friction stir welded dissimilar 2024-to-7075 aluminum alloy joints. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 832, 142423.	5.6	21
6	Detailed characterizations of microstructure evolution, corrosion behavior and mechanical properties of refill friction stir spot welded 2219 aluminum alloy. Materials Characterization, 2022, 183, 111594.	4.4	18
7	Microstructure evolution and composition redistribution of FeCoNiCrMn high entropy alloy under extreme plastic deformation. Materials Research Letters, 2022, 10, 124-132.	8.7	15
8	Improvement for Ti ₃ /SiC ₂ /Cu joint brazed using composite fillers with abnormal expansion ceramic particulates. Journal of the American Ceramic Society, 2022, 105, 3786-3796.	3.8	9
9	Cold Spray Additive Manufacturing of Ti6Al4V: Special Nozzle Design Using Numerical Simulation and Experimental Validation. Coatings, 2022, 12, 210.	2.6	6
10	Corrosion susceptibility and mechanical properties of friction-stir-welded AA2024-T3 joints. Welding in the World, Le Soudage Dans Le Monde, 2022, 66, 951-960.	2.5	2
11	The solar wind plasma upstream of Mars observed by Tianwen-1: Comparison with Mars Express and MAVEN. Science China Earth Sciences, 2022, 65, 759-768.	5.2	10
12	Enhancing grain refinement and corrosion behavior in AZ31B magnesium alloy via stationary shoulder friction stir processing. Journal of Materials Research and Technology, 2022, 17, 3150-3156.	5.8	37
13	Local microstructure evolution and mechanical performance of friction stir additive manufactured 2195 Al-Li alloy. Materials Characterization, 2022, 186, 111818.	4.4	32
14	Improvement of tensile strength of cold sprayed Fe deposits via in-process powder preheating. Materials Letters, 2022, 316, 132090.	2.6	4
15	Fine Structures of the Electron Current Sheet in Magnetotail Guideâ€Field Reconnection. Geophysical Research Letters, 2022, 49, .	4.0	5
16	Characterizations of dissimilar refill friction stir spot welding 2219 aluminum alloy joints of unequal thickness. Journal of Manufacturing Processes, 2022, 79, 91-101.	5.9	14
17	Analysis of local microstructure and strengthening mechanisms in adjustable-gap bobbin tool friction stir welds of Al-Mg. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 1589-1595.	4.9	0
18	New insights into the effects of powder injector inner diameter and overhang length on particle accelerating behavior in cold spray additive manufacturing by numerical simulation. Surface and Coatings Technology, 2022, 444, 128670.	4.8	7

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19	Assessing the Bonding Interface Characteristics and Mechanical Properties of Bobbin Tool Friction Stir Welded Dissimilar Aluminum Alloy Joints. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 125-134.	2.9	8
20	Solid-state cold spraying of FeCoCrNiMn high-entropy alloy: an insight into microstructure evolution and oxidation behavior at 700-900 Å°C. <i>Journal of Materials Science and Technology</i> , 2021, 68, 172-183.	10.7	52
21	Hot deformation behavior and microstructure evolution of the laser solid formed TC4 titanium alloy. <i>Chinese Journal of Aeronautics</i> , 2021, 34, 163-182.	5.3	20
22	Formability and mechanical property of refill friction stir spotâ€welded joints. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 899-907.	2.5	7
23	The impact of macro/microstructure features on the mechanical properties of refill friction stir spotâ€welded joints of AA2219 alloy with a large thickness ratio. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 3093-3103.	3.0	11
24	Formation conditions of vortex-like intermixing interfaces in cold spray. <i>Materials and Design</i> , 2021, 200, 109444.	7.0	25
25	Intergrowth Bonding Mechanism and Mechanical Property of Linear Friction Welded Dissimilar Nearâ€Alpha to Nearâ€Beta Titanium Alloy Joint. <i>Advanced Engineering Materials</i> , 2021, 23, 2001479.	3.5	11
26	Effect of the Electric Field on the Agyrotopic Electron Distributions. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091437.	4.0	3
27	Preliminary investigation of a novel process: synergetic double-sided probeless friction stir spot welding. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 1441-1449.	2.5	2
28	A comparative study on the employment of heat treatment, electric pulse processing and friction stir processing to enhance mechanical properties of cold-spray-additive-manufactured copper. <i>Surface and Coatings Technology</i> , 2021, 409, 126887.	4.8	26
29	Impact of travel speed on the microstructure and mechanical properties of adjustable-gap bobbin-tool friction stir welded Al-Mg joints. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 710-717.	4.9	9
30	Kinetic Interaction of Cold and Hot Protons With an Oblique EMIC Wave Near the Dayside Reconnecting Magnetopause. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092376.	4.0	6
31	Microstructural analysis and mechanical behavior of TC4 titanium alloy and 304 stainless steel by friction stir lap welding. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 1915-1930.	2.5	5
32	Interfacial Bonding and Mechanical Properties of Al/Mg Dissimilar Refill Friction Stir Spot Welds Using a Grooved Tool. <i>Crystals</i> , 2021, 11, 429.	2.2	6
33	Impact of shoulder morphology on macrostructural forming and the texture development during probeless friction stir spot welding. <i>Journal of Materials Research and Technology</i> , 2021, 12, 2042-2054.	5.8	11
34	Tensile and cyclic deformation response of friction-stir-welded dissimilar aluminum alloy joints: Strain localization effect. <i>Journal of Materials Science and Technology</i> , 2021, 73, 91-100.	10.7	10
35	Optimizing the Integrity of Linear Friction Welded Ti2AlNb Alloys. <i>Metals</i> , 2021, 11, 802.	2.3	1
36	Developing superplasticity in magnesium alloys with the help of friction stir processing and its variants â€ A review. <i>Journal of Materials Research and Technology</i> , 2021, 12, 2055-2075.	5.8	41

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37	Evolution of microstructure, texture and mechanical properties of special friction stir welded T-joints for an Ti-4Al-0.005B titanium alloy. <i>Materials Characterization</i> , 2021, 177, 111152.	4.4	15
38	Comparing the local-global deformation mechanism in different friction stir welding sequences of Ti-4Al-0.005B titanium alloy T-joints. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 823, 141698.	5.6	10
39	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.	10.7	48
40	On the association between microhardness, corrosion resistance and microstructure of probeless friction stir spot welded Al-Li joint. <i>Journal of Materials Research and Technology</i> , 2021, 14, 2394-2405.	5.8	9
41	Cyclic hardening behavior and deformation mechanisms of friction-stir-welded dissimilar AA5083-to-AA2024 joints with heterogeneous microstructures. <i>Materials Characterization</i> , 2021, 181, 111465.	4.4	4
42	Corrosion Performance of Cold-Sprayed Nb-Ni-Si Coating in Molten Glass Environment. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 907-917.	3.1	3
43	Effect of material configuration and welding parameter on weld formability and mechanical properties of bobbin tool friction stir welded Al-Cu and Al-Mg aluminum alloys. <i>Materials Characterization</i> , 2021, 182, 111518.	4.4	12
44	In-depth understanding of material flow behavior and refinement mechanism during bobbin tool friction stir welding. <i>International Journal of Machine Tools and Manufacture</i> , 2021, 171, 103816.	13.4	27
45	A novel approach to measure three-dimensional surface topography for stationary shoulder friction stir processing. <i>Journal of Materials Research and Technology</i> , 2021, 15, 5608-5614.	5.8	3
46	Investigation on the Effects of Welding Speed on Bobbin Tool Friction Stir Welding of 2219 Aluminum Alloy. <i>Metals and Materials International</i> , 2020, 26, 1830-1840.	3.4	34
47	Associations of cigarette smoking with memory decline and neurodegeneration among cognitively normal older individuals. <i>Neuroscience Letters</i> , 2020, 714, 134563.	2.1	9
48	Electron Bernstein waves driven by electron crescents near the electron diffusion region. <i>Nature Communications</i> , 2020, 11, 141.	12.8	26
49	Effect of active heating and cooling on microstructure and mechanical properties of friction stir-welded dissimilar aluminium alloy and titanium butt joints. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2020, 64, 365-378.	2.5	17
50	Effect of solution and aging treatments on corrosion performance of laser solid formed Ti-6Al-4V alloy in a 3.5 wt. % NaCl solution. <i>Journal of Materials Research and Technology</i> , 2020, 9, 1559-1568.	5.8	27
51	Material flow during refill friction stir spot welded dissimilar Al alloys using a grooved tool. <i>Journal of Manufacturing Processes</i> , 2020, 49, 260-270.	5.9	44
52	Solid-state cold spraying of Ti and its alloys: A literature review. <i>Progress in Materials Science</i> , 2020, 110, 100633.	32.8	123
53	Microstructural heredity and its effect on mechanical properties of linear friction welded Ti-6.5Al-3.5Mo-1.5Zr-0.3Si alloy joints. <i>Materials Characterization</i> , 2020, 168, 110540.	4.4	13
54	Chromium-Dependent Effect on Oxidation Behavior of Ni-Fe-Based Superalloy for Ultra-Supercritical Steam Turbine Applications: Influence of Temperature and Pure Steam. <i>Corrosion</i> , 2020, 76, 941-953.	1.1	4

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55	Linear friction welding of a beta titanium alloy: experimental investigations on microstructure evolution and mechanical properties. Science and Technology of Welding and Joining, 2020, 25, 625-636.	3.1	7
56	Lower Hybrid Waves at the Magnetosheath Separatrix Region. Geophysical Research Letters, 2020, 47, e2020GL089880.	4.0	6
57	Effect of an improved pin design on weld formability and mechanical properties of adjustable-gap bobbin-tool friction stir welded Al-Cu aluminum alloy joints. Journal of Manufacturing Processes, 2020, 58, 1182-1188.	5.9	17
58	Employing Cold Spray to Alter the Residual Stress Distribution of Workpieces: A Case Study on Fusion-Welded AA2219 Joints. Journal of Thermal Spray Technology, 2020, 29, 1538-1549.	3.1	3
59	Evolution of grain structure, γ' precipitate and hardness in friction welding and post weld heat treatment of a new Ni-Fe based superalloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 788, 139596.	5.6	11
60	The associated effect of powder carrier gas and powder characteristics on the optimal design of the cold spray nozzle. Surface Engineering, 2020, 36, 1081-1089.	2.2	10
61	Electrochemical characterization and microstructure of cold sprayed AA5083/Al ₂ O ₃ composite coatings. Journal of Materials Science and Technology, 2020, 59, 117-128.	10.7	26
62	Strengthening mechanism of friction stir welded alpha titanium alloy specially designed T-joints. Journal of Manufacturing Processes, 2020, 55, 1-12.	5.9	26
63	Tailoring grain refinement through thickness in magnesium alloy via stationary shoulder friction stir processing and copper backing plate. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 784, 139322.	5.6	72
64	Electron Mixing and Isotropization in the Exhaust of Asymmetric Magnetic Reconnection With a Guide Field. Geophysical Research Letters, 2020, 47, e2020GL087159.	4.0	4
65	A Modified Friction Stir Welding Process Based on Vortex Material Flow. Chinese Journal of Mechanical Engineering (English Edition), 2020, 33, .	3.7	10
66	The sensitivity analysis of microstructure and mechanical properties to welding parameters for linear friction welded rail steel joints. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 764, 138251.	5.6	21
67	Through-thickness microstructure and mechanical properties in stationary shoulder friction stir processed AA7075. Materials Science and Technology, 2019, 35, 1762-1769.	1.6	36
68	Recent Development in Friction Stir Processing as a Solid-State Grain Refinement Technique: Microstructural Evolution and Property Enhancement. Critical Reviews in Solid State and Materials Sciences, 2019, 44, 378-426.	12.3	191
69	Residual Stress, Microstructure and Mechanical Properties in Thick 6005A-T6 Aluminium Alloy Friction Stir Welds. Metals, 2019, 9, 803.	2.3	10
70	MMS Observations of Multiscale Hall Physics in the Magnetotail. Geophysical Research Letters, 2019, 46, 10230-10239.	4.0	5
71	Finite element modelling for temperature, stresses and strains calculation in linear friction welding of TB9 titanium alloy. Journal of Materials Research and Technology, 2019, 8, 4797-4818.	5.8	30
72	Hybrid friction stir processing with active cooling approach to enhance superplastic behavior of AA7075 aluminum alloy. Archives of Civil and Mechanical Engineering, 2019, 19, 1368-1380.	3.8	53

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73	Formability of an AA5083 aluminum alloy T-joint using SSFSW on both corners. Materials and Manufacturing Processes, 2019, 34, 1737-1744.	4.7	20
74	Effect of welding parameters on the microstructure and mechanical properties of linear friction welded Ti-6.5Al-3.5Mo-1.5Zr-0.3Si joints. Journal of Manufacturing Processes, 2019, 46, 100-108.	5.9	22
75	Surface analysis of stationary shoulder friction stir processed AZ31B magnesium alloy. Materials Science and Technology, 2019, 35, 628-631.	1.6	22
76	Prolonged Kelvinâ€“Helmholtz Waves at Dawn and Dusk Flank Magnetopause: Simultaneous Observations by MMS and THEMIS. Astrophysical Journal, 2019, 875, 57.	4.5	10
77	Microstructural Evolution, Roomâ€“and Highâ€“Temperature Mechanical Properties of Friction Welded Joints of a New Wrought Niâ€“Fe Based Superalloy. Advanced Engineering Materials, 2019, 21, 1900267.	3.5	3
78	Pores Structure Change Induced by Heat Treatment in Cold-Sprayed Ti6Al4V Coating. Journal of Thermal Spray Technology, 2019, 28, 1199-1211.	3.1	30
79	â€“Cold spray +â€™ as a new hybrid additive manufacturing technology: a literature review. Science and Technology of Welding and Joining, 2019, 24, 420-445.	3.1	58
80	On the Process Variables and Weld Quality of a Linear Friction Welded Dissimilar Joint between S31042 and S34700 Austenitic Steels. Advanced Engineering Materials, 2019, 21, 1801354.	3.5	3
81	Crescentâ€“Shaped Electron Distributions at the Nonreconnecting Magnetopause: Magnetospheric Multiscale Observations. Geophysical Research Letters, 2019, 46, 3024-3032.	4.0	17
82	Friction Stir Welding of Dissimilar Aluminum Alloy Combinations: State-of-the-Art. Metals, 2019, 9, 270.	2.3	87
83	Stationary Shoulder Friction Stir Processing: A Low Heat Input Grain Refinement Technique for Magnesium Alloy. Minerals, Metals and Materials Series, 2019, , 209-215.	0.4	6
84	Homogeneous Grain Refinement and Ductility Enhancement in AZ31B Magnesium Alloy Using Friction Stir Processing. Minerals, Metals and Materials Series, 2019, , 83-87.	0.4	5
85	Advanced brass-based composites via cold-spray additive-manufacturing and its potential in component repairing. Surface and Coatings Technology, 2019, 371, 211-223.	4.8	41
86	Electrostatic Spacecraft Potential Structure and Wake Formation Effects for Characterization of Cold Ion Beams in the Earth's Magnetosphere. Journal of Geophysical Research: Space Physics, 2019, 124, 10048-10062.	2.4	17
87	Microstructure and properties of probeless friction stir spot welding of AZ31 magnesium alloy joints. Transactions of Nonferrous Metals Society of China, 2019, 29, 2300-2309.	4.2	23
88	Improving microstructural and tensile properties of AZ31B magnesium alloy joints by stationary shoulder friction stir welding. Journal of Manufacturing Processes, 2019, 37, 159-167.	5.9	60
89	Exfoliation corrosion of friction stir welded dissimilar 2024-to-7075 aluminum alloys. Materials Characterization, 2019, 147, 93-100.	4.4	69
90	Stationary shoulder tool in friction stir processing: a novel low heat input tooling system for magnesium alloy. Materials and Manufacturing Processes, 2019, 34, 177-182.	4.7	80

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91	Microstructural evolution and mechanical properties of a linear friction welded two-phase Ti-6.5Al-3.5Mo-1.5Zr-0.3Si titanium alloy joint. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 743, 12-23.	5.6	27
92	Thermal Spray Technology. Advances in Materials Science and Engineering, 2019, 2019, 1-2.	1.8	8
93	Deposition of FeCoNiCrMn high entropy alloy (HEA) coating via cold spraying. Journal of Materials Science and Technology, 2019, 35, 1003-1007.	10.7	158
94	On the double-side probeless friction stir spot welding of AA2198 Al-Li alloy. Journal of Materials Science and Technology, 2019, 35, 784-789.	10.7	20
95	Numerical simulation and experimental investigation of band patterns in bobbin tool friction stir welding of aluminum alloy. International Journal of Advanced Manufacturing Technology, 2019, 100, 2679-2687.	3.0	34
96	Cyclic deformation behavior of friction-stir-welded dissimilar AA5083-to-AA2024 joints: Effect of microstructure and loading history. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 744, 145-153.	5.6	25
97	Hot corrosion behavior of three different zones of linear friction welded Ti-22Al-25Nb alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2019, 70, 612-622.	1.5	7
98	Experimental and numerical investigations of bonding interface behavior in stationary shoulder friction stir lap welding. Journal of Materials Science and Technology, 2019, 35, 192-200.	10.7	48
99	Effect of welding speed on microstructures and mechanical properties of Al/Cu bimetal composite tubes by a novel friction-based welding process. Welding in the World, Le Soudage Dans Le Monde, 2019, 63, 127-136.	2.5	5
100	Impact of surface state in probeless friction stir spot welding of an Al-Li alloy. Science and Technology of Welding and Joining, 2019, 24, 200-208.	3.1	9
101	Using friction stir processing to augment corrosion resistance of cold sprayed AA2024/Al ₂ O ₃ composite coatings. Journal of Alloys and Compounds, 2019, 774, 1223-1232.	5.5	42
102	Microstructures and wear-corrosion performance of vacuum plasma sprayed and cold gas dynamic sprayed Muntz alloy coatings. Surface and Coatings Technology, 2019, 371, 172-184.	4.8	8
103	A Review of Advanced Composite and Nanostructured Coatings by Solid-State Cold Spraying Process. Critical Reviews in Solid State and Materials Sciences, 2019, 44, 109-156.	12.3	50
104	Influence of alloyed Fe on corrosion of Ni-Cr alloys in molten silicates and the effects of pre-oxidation treatment. Corrosion Science, 2018, 134, 179-188.	6.6	6
105	Influence of rotation speed on mechanical properties and corrosion sensitivity of friction stir welded AA2024-T3 joints. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 1016-1024.	1.5	14
106	Microstructures and microhardness for sheets and TIG welded joints of TA15 alloy using friction stir spot processing. Transactions of Nonferrous Metals Society of China, 2018, 28, 55-65.	4.2	12
107	Optimization of cold-sprayed AA2024/Al ₂ O ₃ metal matrix composites via friction stir processing: Effect of rotation speeds. Journal of Materials Science and Technology, 2018, 34, 2167-2177.	10.7	47
108	Microstructure and mechanical optimization of probeless friction stir spot welded joint of an Al-Li alloy. Journal of Materials Science and Technology, 2018, 34, 1739-1746.	10.7	56

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109	Cold spray additive manufacturing and repair: Fundamentals and applications. Additive Manufacturing, 2018, 21, 628-650.	3.0	269
110	Anisotropic response of cold sprayed copper deposits. Surface and Coatings Technology, 2018, 335, 219-227.	4.8	32
111	Characterizations and anisotropy of cold-spraying additive-manufactured copper bulk. Journal of Materials Science and Technology, 2018, 34, 1570-1579.	10.7	66
112	An investigation into the mechanism for enhanced mechanical properties in friction stir welded AA2024-T3 joints coated with cold spraying. Applied Surface Science, 2018, 439, 623-631.	6.1	18
113	Mechanical property improvement induced by nanoscaled deformation twins in cold-sprayed Cu coatings. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 727, 119-122.	5.6	16
114	Post-spray modification of cold-sprayed Ni-Ti coatings by high-temperature vacuum annealing and friction stir processing. Applied Surface Science, 2018, 451, 56-66.	6.1	38
115	Effects of microstructural asymmetries across friction stir welded AA2024 joints on mechanical properties. Science and Technology of Welding and Joining, 2018, 23, 58-62.	3.1	12
116	Solid-state additive manufacturing and repairing by cold spraying: A review. Journal of Materials Science and Technology, 2018, 34, 440-457.	10.7	238
117	Microstructure and morphology evolution of probeless friction stir spot welded joints of aluminum alloy. Journal of Materials Processing Technology, 2018, 252, 69-80.	6.3	57
118	Microstructure evolution and mechanical properties of linear friction welded S31042 heat-resistant steel. Journal of Materials Science and Technology, 2018, 34, 653-659.	10.7	33
119	Improving weld formability by a novel dual-rotation bobbin tool friction stir welding. Journal of Materials Science and Technology, 2018, 34, 135-139.	10.7	44
120	Metal Matrix Composite Coatings by Cold Spray. , 2018, , 297-318.		7
121	Cold sprayed AA2024/Al ₂ O ₃ metal matrix composites improved by friction stir processing: Microstructure characterization, mechanical performance and strengthening mechanisms. Journal of Alloys and Compounds, 2018, 736, 115-123.	5.5	79
122	On microstructure and property differences in a linear friction welded near-alpha titanium alloy joint. Journal of Manufacturing Processes, 2018, 36, 255-263.	5.9	25
123	Perpendicular Current Reduction Caused by Cold Ions of Ionospheric Origin in Magnetic Reconnection at the Magnetopause: Particle-in-Cell Simulations and Spacecraft Observations. Geophysical Research Letters, 2018, 45, 10,033.	4.0	17
124	Numerical analysis of material flow in the probeless friction stir spot welding based on Coupled Eulerian-Lagrangian approach. Journal of Manufacturing Processes, 2018, 36, 181-187.	5.9	44
125	Corrosion characteristics and wear performance of cold sprayed coatings of reinforced Al deposited onto friction stir welded AA2024-T3 joints. Surface and Coatings Technology, 2018, 349, 1069-1076.	4.8	20
126	Observations of Kelvin-Helmholtz Waves in the Earth's Magnetotail Near the Lunar Orbit. Journal of Geophysical Research: Space Physics, 2018, 123, 3836-3847.	2.4	13

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127	Strain hardening behavior and mechanisms of friction stir welded dissimilar joints of aluminum alloys. <i>Materials Letters</i> , 2018, 231, 68-71.	2.6	29
128	Effect of heat treatment on the inherent anisotropy of cold sprayed copper deposits. <i>Surface and Coatings Technology</i> , 2018, 350, 519-530.	4.8	25
129	On visualizing material flow and precipitate evolution during probeless friction stir spot welding of an Al-Li alloy. <i>Materials Characterization</i> , 2018, 144, 336-344.	4.4	14
130	Linear friction welding of a solid-solution strengthened Ni-based superalloy: Microstructure evolution and mechanical properties studies. <i>Journal of Manufacturing Processes</i> , 2018, 34, 442-450.	5.9	28
131	Numerical modelling and experimental investigation of thermal and material flow in probeless friction stir spot welding process of Al 2198-T8. <i>Science and Technology of Welding and Joining</i> , 2018, 23, 704-714.	3.1	29
132	Effect and role of alloyed yttrium on the fireside corrosion behaviour of Ni-Fe based alloys for 750â€™°C ultra-supercritical boiler applications. <i>Corrosion Science</i> , 2018, 143, 148-156.	6.6	6
133	Significant effect of oxide on mechanical properties of friction-stir-welded AA2024 joints. <i>Science and Technology of Welding and Joining</i> , 2017, 22, 66-70.	3.1	15
134	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
135	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
136	Study of process/structure/property relationships in probeless friction stir spot welded AA2198 Al-Li alloy. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2017, 61, 291-298.	2.5	15
137	Corrosion performance and mechanical properties of friction stir welded AA2024â€™T3 joints under different corrosion solution exposure. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2017, 68, 970-976.	1.5	11
138	Observations of kineticâ€™size magnetic holes in the magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1990-2000.	2.4	70
139	Global and local constitutive behaviors of friction stir welded AA2024 joints. <i>Journal of Materials Science and Technology</i> , 2017, 33, 987-990.	10.7	35
140	Studies of the interfacial structure of a linear friction welded Fe/Ni joint: First principles calculation and TEM validation. <i>Materials Characterization</i> , 2017, 129, 60-66.	4.4	7
141	Microstructural evolution and mechanical properties of electron beam welded dissimilar titanium alloy joints. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 697, 224-232.	5.6	19
142	Characterisation studies of linear friction welded titanium joints. <i>Materials and Design</i> , 2017, 116, 115-126.	7.0	37
143	Mass and Energy Transfer Across the Earth's Magnetopause Caused by Vortexâ€™Induced Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,505.	2.4	35
144	Interface microstructure evolution and mechanical properties of Al/Cu bimetallic tubes fabricated by a novel friction-based welding technology. <i>Materials and Design</i> , 2017, 134, 383-393.	7.0	31

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145	Impact of cold spraying on microstructure and mechanical properties of optimized friction stir welded AA2024-T3 joint. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 702, 73-80.	5.6	20
146	Effect and role of alloyed Nb on the air oxidation behaviour of Ni-Cr-Fe alloys at 1000 Â°C. Corrosion Science, 2017, 127, 10-20.	6.6	55
147	Effect of Substrate Type on Deposition Behavior and Wear Performance of Ni-Coated Graphite/Al Composite Coatings Deposited by Cold Spraying. Journal of Materials Science and Technology, 2017, 33, 338-346.	10.7	40
148	Effect of powder size on the long-term corrosion performance of pure aluminium coatings on mild steel by cold spraying. Materials and Corrosion - Werkstoffe Und Korrosion, 2017, 68, 546-551.	1.5	6
149	Microstructure and fatigue properties of linear friction welded TC4 titanium alloy joints. Science and Technology of Welding and Joining, 2017, 22, 177-181.	3.1	12
150	Rsf-1 Influences the Sensitivity of Non-Small Cell Lung Cancer to Paclitaxel by Regulating NF-Î²B Pathway and Its Downstream Proteins. Cellular Physiology and Biochemistry, 2017, 44, 2322-2336.	1.6	39
151	The effects of forging pressure and temperature field on residual stresses in linear friction welded Ti6Al4V joints. Advances in Manufacturing, 2016, 4, 314-321.	6.1	9
152	Strengthening mechanism and metal/ceramic bonding interface of cold sprayed TiN_p/Al5356 deposits. Surface Engineering, 2016, 32, 663-669.	2.2	16
153	Microstructural evolution and mechanical properties of linear friction welded Ti2AlNb joint during solution and aging treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 668, 125-136.	5.6	37
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