

Pei-lei Zhang

List of Publications by Year in descending order

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132
papers

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#	ARTICLE	IF	CITATIONS
1	Evaluation of wear and corrosion resistances of laser cladding TaC/TiC/Stellite X-40 Co-based composite coatings on copper surface. <i>Materials Technology</i> , 2022, 37, 980-991.	3.0	5
2	Effects of doping trace Ni element on interfacial behavior of Sn/Ni (polycrystal/single-crystal) joints. <i>Soldering and Surface Mount Technology</i> , 2022, 34, 124-133.	1.5	38
3	Research progress on selective laser melting (SLM) of bulk metallic glasses (BMGs): a review. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 118, 2017-2057.	3.0	13
4	Femtosecond laser-induced transformation mechanism from 1D groove structure to 2D microholes structure on the surface of Zr-based metallic glasses. <i>Optics and Laser Technology</i> , 2022, 146, 107555.	4.6	8
5	Influence of the microstructure on mechanical properties of SLM additive manufacturing Fe-based bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162525.	5.5	19
6	Performance of Vibration-Assisted Laser Welded Joints Based on Orthogonal Experiment Design. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 2147-2158.	2.5	5
7	AlCoCrFeNi high entropy alloy fabricated via selective laser melting reinforced by Fe-based metallic glass. <i>Materials Letters</i> , 2022, 307, 130994.	2.6	12
8	Synergistic function of Au NPs/GeO ₂ nanozymes with enhanced peroxidase-like activity and SERS effect to detect choline iodide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 266, 120467.	3.9	15
9	Study of mode transition in three-dimensional laser beam oscillating welding of aluminum alloy. <i>Journal of Materials Processing Technology</i> , 2022, 303, 117490.	6.3	8
10	The Effects of Different Gaps on the Weld Morphology, Microstructure and Residual Stress of AH36 Steel were Studied by Laser Arc Hybrid Welding. <i>Journal of Physics: Conference Series</i> , 2022, 2160, 012039.	0.4	0
11	Effects of solder thickness on interface behavior and nanoindentation characteristics in Cu/Sn/Cu microbumps. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2022, 66, 973-983.	2.5	46
12	Heat Accumulation, Microstructure Evolution, and Stress Distribution of Ti-4Al Alloy Manufactured by Twin-Wire Plasma Arc Additive. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	10
13	Progress and perspectives of in-situ optical monitoring in laser beam welding: Sensing, characterization and modeling. <i>Journal of Manufacturing Processes</i> , 2022, 75, 767-791.	5.9	26
14	Microstructure and properties of TLPB joints of IN718 with 3D waveform structure prepared by SLM. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2022, 66, 1009-1023.	2.5	3
15	Microstructure and Fatigue Properties of Ti-48Al Alloy Fabricated by the Twin-Wire Plasma Arc Additive Manufacturing. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 8250-8260.	2.5	2
16	Effect of Weld Pool Flow and Keyhole Formation on Weld Penetration in Laser-MIG Hybrid Welding within a Sensitive Laser Power Range. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4100.	2.5	5
17	Laser additive manufacturing and post-heat treatment on microstructure and mechanical properties of 9Cr steel. <i>International Journal of Pressure Vessels and Piping</i> , 2022, 198, 104681.	2.6	6
18	Study on Microstructure and Mechanical Properties of Aluminum-Copper Dissimilar Metals Joints by Nanosecond Laser Spiral Welding. <i>Transactions of the Indian Institute of Metals</i> , 2022, 75, 2517-2528.	1.5	4

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19	Measurement of pulsed laser welding penetration based on keyhole dynamics and deep learning approach. Measurement: Journal of the International Measurement Confederation, 2022, 199, 111579.	5.0	18
20	Biocompatibility of micro/nano structures on the surface of Ti6Al4V and Ti-based bulk metallic glasses induced by femtosecond laser. , 2022, 139, 212998.		9
21	Improving surface resistance to wear and corrosion of nickel-aluminum bronze by laser-clad TaC/Co-based alloy composite coatings. Surface and Coatings Technology, 2021, 405, 126592.	4.8	35
22	Effect of zinc on the fracture behavior of galvanized steel/6061 aluminum alloy by laser brazing. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 13-22.	2.5	11
23	Research on weld formation mechanism of laser-MIG arc hybrid welding with butt gap. Optics and Laser Technology, 2021, 133, 106530.	4.6	32
24	Effect of pulse shaping on solidification process and crack in 5083 aluminum alloy by pulsed laser welding. Optics and Laser Technology, 2021, 134, 106608.	4.6	20
25	Standardized Weibull statistics of ceramic strength. Ceramics International, 2021, 47, 4972-4993.	4.8	8
26	Microstructure and Mechanical Properties of Thick-Walled Inconel 625 Alloy Manufactured by Wire Arc Additive Manufacture with Different Torch Paths. Advanced Engineering Materials, 2021, 23, .	3.5	28
27	Effect of Vibration Frequency on Microstructure and Properties of Laser-Welded Inconel 718 Nickel-Base Superalloy. Journal of Materials Engineering and Performance, 2021, 30, 2399-2407.	2.5	11
28	Effect of deposition rate on microstructure and mechanical properties of wire arc additive manufacturing of Ti-6Al-4V components. Journal of Central South University, 2021, 28, 1100-1110.	3.0	10
29	Evidence of solidification crack propagation in pulsed laser welding of aluminum alloy. Optics Express, 2021, 29, 18495.	3.4	10
30	Effect of phase transformation on mechanical properties of Al _{16.80} Co _{20.74} Cr _{20.49} Fe _{21.28} Ni _{20.70} high entropy alloy coatings processed by laser cladding. Journal of Alloys and Compounds, 2021, 862, 158563.	5.5	21
31	A Review on Additive Manufacturing of Pure Copper. Coatings, 2021, 11, 740.	2.6	69
32	Weld zone porosity elimination process of galvanized steel zero-gap lap joints in remote laser spiral welding. Materials Research Express, 2021, 8, 066502.	1.6	3
33	In situ monitoring and penetration prediction of plasma arc welding based on welder intelligence-enhanced deep random forest fusion. Journal of Manufacturing Processes, 2021, 66, 153-165.	5.9	26
34	A review on the effect of laser pulse shaping on the microstructure and hot cracking behavior in the welding of alloys. Optics and Laser Technology, 2021, 140, 107094.	4.6	28
35	Effect of Vibration on Microstructure and Fatigue Properties of 6082 CMT-Welded Joints. Transactions of the Indian Institute of Metals, 2021, 74, 3217-3225.	1.5	4
36	The femtosecond laser induced Zr _{64.13} Cu _{15.75} Ni _{10.12} Al ₁₀ amorphous periodic surface structure. Journal of Manufacturing Processes, 2021, 69, 613-620.	5.9	6

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37	Twin-wire plasma arc additive manufacturing of the Ti-45Al titanium aluminide: Processing, microstructures and mechanical properties. <i>Intermetallics</i> , 2021, 136, 107277.	3.9	26
38	Influence mechanism of the keyhole behavior on penetration depth by in-situ monitoring in pulsed laser welding of aluminum alloy. <i>Optik</i> , 2021, 246, 167812.	2.9	14
39	Microstructures and mechanical properties of reduced activation ferritic/martensitic steel fabricated by laser melting deposition. <i>Fusion Engineering and Design</i> , 2021, 173, 112865.	1.9	12
40	Fabrication, microstructure and micromechanical properties of Fe-based metallic glass coating manufactured by laser. <i>Surface and Coatings Technology</i> , 2021, 405, 126726.	4.8	11
41	Composition-induced microcrack defect formation in the twin-wire plasma arc additive manufacturing of binary TiAl alloy: An X-ray computed tomography-based investigation. <i>Journal of Materials Research</i> , 2021, 36, 4974-4985.	2.6	9
42	A Study on the Microstructure and Fatigue Properties of Welding Joints in Vibration-Assisted Laser Welding Process. <i>Steel Research International</i> , 2020, 91, 1900548.	1.8	2
43	Effect of Vibration Frequency on Laser Filler Wire Welded Joints. <i>Steel Research International</i> , 2020, 91, 1900550.	1.8	2
44	Effect of positive/negative electrode ratio on cold metal transfer welding of 6061 aluminum alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 1453-1464.	3.0	8
45	Microstructure and wide temperature range self-lubricating properties of laser cladding NiCrAlY/Ag ₂ O/Ta ₂ O ₅ composite coating. <i>Surface and Coatings Technology</i> , 2020, 383, 125248.	4.8	22
46	Phase stability, elasticity, hardness and electronic structures for binary M _{1-x} B _x (M = Ni, Ti) / Overlapped Phase Transitions, 2020, 93, 158-174.	1.3	13
47	Microstructure and Properties of an Al 6061/Galvanized Plate Fabricated by CMT Welding. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020, 35, 937-945.	1.0	5
48	Visual-Acoustic Penetration Recognition in Variable Polarity Plasma Arc Welding Process Using Hybrid Deep Learning Approach. <i>IEEE Access</i> , 2020, 8, 120417-120428.	4.2	29
49	High-temperature tensile properties and interface structure of Ni-Fe dissimilar butt joints welded using the cold metal transfer process. <i>Journal of Materials Research and Technology</i> , 2020, 9, 15023-15033.	5.8	8
50	A Study on the 2060-T8/2099-T83 Aluminum-Lithium Alloys T-Joints Welded by Double-Sided Laser Beam Welding. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 4295-4309.	2.5	4
51	Enhancing tribological properties of WS ₂ /NbC/Co-based self-lubricating coating via laser texturing and laser cladding two-step process. <i>Journal of Materials Research and Technology</i> , 2020, 9, 9907-9919.	5.8	29
52	Effect of crystal structure of nickel substrates on interfacial behaviors in Sn/Ni soldered joints. <i>Materials Letters</i> , 2020, 278, 128424.	2.6	6
53	Wear Behaviors of TiN/WS ₂ + hBN/NiCrBSi Self-Lubricating Composite Coatings on TC4 Alloy by Laser Cladding. <i>Coatings</i> , 2020, 10, 747.	2.6	15
54	Interfacial transfer and phase evolution between Cu and Sn solder doped with minor Cu, Ag and Ni: experimental and theoretical investigations. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	12

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55	Reconstructive treatment of symptomatic vertebral artery dissecting aneurysms with Willis covered stent: Initial experience. <i>Journal of Interventional Medicine</i> , 2020, 3, 184-191.	0.5	1
56	Wetting and spreading behaviors of Al-Si alloy on surface textured stainless steel by ultrafast laser. <i>Applied Surface Science</i> , 2020, 520, 146316.	6.1	28
57	Microstructures and mechanical properties of Ni/Fe dissimilar butt joint welded using the cold metal transfer. <i>Materials Research Express</i> , 2020, 7, 046516.	1.6	3
58	Statistics of ceramic strength: Use ordinary Weibull distribution function or Weibull statistical fracture theory?. <i>Ceramics International</i> , 2020, 46, 20751-20768.	4.8	17
59	Wire and arc additive manufacturing of 4043 Al alloy using a cold metal transfer method. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 783-791.	4.9	23
60	Research on Microstructure and Fatigue Properties of Vibration-Assisted 5052 Aluminum Alloy Laser Welded Joints. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 4197-4205.	2.5	3
61	Fabrication and tribological behaviors of Ti ₃ SiC ₂ /Ti ₅ Si ₃ /TiC/Ni-based composite coatings by laser cladding for self-lubricating applications. <i>Optics and Laser Technology</i> , 2020, 126, 106077.	4.6	49
62	Microstructure, oxidation resistance and mechanical properties of stellite 12 composite coating doped with submicron TiC/B ₄ C by laser cladding. <i>Surface and Coatings Technology</i> , 2020, 395, 125810.	4.8	16
63	Magnetic-field-assisted laser cladding in the preparation of a crack-free Fe-Cr-Mo-C-Y-B amorphous coating on steel. <i>Philosophical Magazine Letters</i> , 2020, 100, 86-93.	1.2	14
64	Study on Ultrasound Welding Process of Aluminum/Copper Dissimilar Metals. <i>Physics of Metals and Metallography</i> , 2020, 121, 1400-1410.	1.0	0
65	Atherosclerosis in intracranial or extracranial vessels in diabetic patients and the association with stroke subtype. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 960-967.	2.0	14
66	The Zn accumulation behavior, phase evolution and void formation in Sn-xZn/Cu systems by considering trace Zn: a combined experimental and theoretical study. <i>Journal of Materials Research and Technology</i> , 2019, 8, 4141-4150.	5.8	43
67	Weld penetration in situ prediction from keyhole dynamic behavior under time-varying VPPAW pools via the OS-ELM model. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 104, 3929-3941.	3.0	15
68	Accurate characterization of weld appearance induced by T-joint laser stake-welding by integration of ANFIS approach and numerical simulation. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 37, 8589-8601.	1.4	3
69	Microstructure evolution of Ni-Mo-Fe-Si quaternary metal silicide alloy composite coatings by laser cladding on pure Ni. <i>Journal of Alloys and Compounds</i> , 2019, 785, 984-1000.	5.5	29
70	Laser welding process evaluation on stake-welded T-joints. <i>Materials Research Express</i> , 2019, 6, 0865a4.	1.6	4
71	Microstructural evolution and wear behaviors of laser-clad Stellite 6/NbC/h-BN self-lubricating coatings. <i>Surface and Coatings Technology</i> , 2019, 372, 218-228.	4.8	57
72	Heat input, intermetallic compounds and mechanical properties of Al/steel cold metal transfer joints. <i>Journal of Materials Processing Technology</i> , 2019, 272, 40-46.	6.3	58

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73	Effect of substrates on the formation of Kirkendall voids in Sn/Cu joints. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 751-757.	2.5	23
74	Laser cladding NiCrBSi/TiN/h-BN self-lubricating wear resistant coating on Ti-6Al-4V surface. <i>Materials Research Express</i> , 2019, 6, 066537.	1.6	6
75	Study of Inconel 718 Welded by Bead-On-Plate Laser Welding under High-Frequency Micro-Vibration Condition. <i>Metals</i> , 2019, 9, 1335.	2.3	2
76	Evaluation of Quiescent-Interval Single-Shot Magnetic Resonance Angiography in Diabetic Patients With Critical Limb Ischemia Undergoing Digital Subtraction Angiography: Comparison With Contrast-Enhanced Magnetic Resonance Angiography With Calf Compression at 3.0 Tesla. <i>Journal of Endovascular Therapy</i> , 2019, 26, 44-53.	1.5	7
77	Vibration parameters optimum of 316L steel laser welding under high frequency micro-vibration condition. <i>Materials Research Express</i> , 2019, 6, 046541.	1.6	2
78	Laser cladding Ti-Ni/TiN/TiW+TiS/WS ₂ self-lubricating wear resistant composite coating on Ti-6Al-4V alloy. <i>Optics and Laser Technology</i> , 2019, 113, 182-191.	4.6	75
79	Study on the hybrid laser-arc welding of 3 mm thick high-strength steel with high speed. <i>Materials Research Express</i> , 2019, 6, 026546.	1.6	5
80	Formation and Microstructure Characteristics in Spot Welding of Dissimilar Cu-Al Foil by Nanosecond Laser Scanning. <i>Zhongguo Jiguang/Chinese Journal of Lasers</i> , 2019, 46, 0402006.	1.2	2
81	Effect of Sub-Micron TiC/B ₄ C Particle on Microstructures and Properties of Laser Cladded Stellite Coatings. <i>Zhongguo Jiguang/Chinese Journal of Lasers</i> , 2019, 46, 0302010.	1.2	0
82	Welding Seam Forming Mechanism of High-Strength Steel Laser-Metal Inert Gas Hybrid Welding with Butt Gap. <i>Zhongguo Jiguang/Chinese Journal of Lasers</i> , 2019, 46, 0902006.	1.2	0
83	Effect of macro- and micro-segregation on hot cracking of Inconel 718 superalloy argon-arc multilayer cladding. <i>Journal of Materials Processing Technology</i> , 2018, 258, 251-258.	6.3	24
84	Rapid prototyping of 4043 Al-alloy parts by cold metal transfer. <i>Science and Technology of Welding and Joining</i> , 2018, 23, 527-535.	3.1	41
85	Microstructure and properties of Cr18-Ni8 steel joints brazed with BNi7+3%Cu composite solder. <i>Vacuum</i> , 2018, 148, 303-311.	3.5	9
86	Gap bridging of 6061 aluminum alloy joints welded by variable-polarity cold metal transfer. <i>Journal of Materials Processing Technology</i> , 2018, 255, 927-935.	6.3	12
87	Morphological characteristics of chronic total occlusion: predictors of different strategies for long-segment femoral arterial occlusions. <i>European Radiology</i> , 2018, 28, 897-909.	4.5	6
88	Reactive Fabrication and Effect of NbC on Microstructure and Tribological Properties of CrS Co-Based Self-Lubricating Coatings by Laser Cladding. <i>Materials</i> , 2018, 11, 44.	2.9	21
89	Interface Growth and Void Formation in Sn/Cu and Sn _{0.7} Cu/Cu Systems. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2703.	2.5	13
90	Integrated application of antegrade and retrograde recanalization for femoral-popliteal artery chronic total occlusions: outcomes compared with antegrade recanalization. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 568-578.	2.0	5

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91	Diode Laser Welding/Brazing of Aluminum Alloy to Steel Using a Nickel Coating. Applied Sciences (Switzerland), 2018, 8, 922.	2.5	19
92	Microstructures Evolution and Micromechanics Features of Ni-Cr-Si Coatings Deposited on Copper by Laser Cladding. Materials, 2018, 11, 875.	2.9	13
93	Appearances and Formation Mechanism of Welds in High-Strength Steels by High Speed Laser-Arc Hybrid Welding. Zhongguo Jiguang/Chinese Journal of Lasers, 2018, 45, 1202007.	1.2	0
94	A thermal-plastic model of friction stir welding in aluminum alloy. Science and Engineering of Composite Materials, 2017, 24, 439-446.	1.4	0
95	Laser cladding Ni-based alloy/nano-Ni encapsulated h-BN self-lubricating composite coatings. Surface and Coatings Technology, 2017, 332, 422-427.	4.8	44
96	Phase composition, microstructure evolution and wear behavior of Ni-Mn-Si coatings on copper by laser cladding. Surface and Coatings Technology, 2017, 332, 504-510.	4.8	35
97	Synthesis of magnetic $g-C_{3}N_{4}$ by one-step method and its adsorption performance for Cd(II). IOP Conference Series: Materials Science and Engineering, 2017, 274, 012091.	0.6	11
98	Microstructure, Wear Resistance and Oxidation Behavior of Ni-Ti-Si Coatings Fabricated on Ti6Al4V by Laser Cladding. Materials, 2017, 10, 1248.	2.9	22
99	TiB ₂ Reinforced Ni-Based Gradient Coating on Copper Alloy Surface by Laser Cladding. Zhongguo Jiguang/Chinese Journal of Lasers, 2017, 44, 0802001.	1.2	0
100	Microstructure and Micromechanical Features of Ni-Mo-Si Coatings on Copper Plate Surfaces by Laser Cladding. Zhongguo Jiguang/Chinese Journal of Lasers, 2017, 44, 1202004.	1.2	0
101	Microstructures and Wear Resistance Properties of Ni-Ti-Si Coatings on Copper Alloy Surface by Laser Cladding. Zhongguo Jiguang/Chinese Journal of Lasers, 2017, 44, 1102002.	1.2	0
102	Numerical Simulation and Parameters Optimization of Laser Brazing of Galvanized Steel. ISIJ International, 2016, 56, 637-646.	1.4	4
103	Infrainguinal Endovascular Recanalization: Risk Factors for Arterial Thromboembolic Occlusions and Efficacy of Percutaneous Aspiration Thrombectomy. Journal of Vascular and Interventional Radiology, 2016, 27, 322-329.	0.5	4
104	Influence of wire feeding speed on laser brazing zinc-coated steel with Cu-based filler metal. International Journal of Advanced Manufacturing Technology, 2015, 76, 1333-1342.	3.0	23
105	Runoff Detected by Magnetic Resonance Angiography as an Indicator for Better Recanalization Outcomes in Below-the-Knee Chronic Total Occlusions in Diabetic Patients. Journal of Endovascular Therapy, 2015, 22, 243-251.	1.5	5
106	Percutaneous Aspiration Thrombectomy for Arterial Thromboembolism during Infrainguinal Endovascular Recanalization. PLoS ONE, 2015, 10, e0140494.	2.5	3
107	Weld Profile Prediction and Process Parameters Optimization of T-joints of Laser Full Penetration Welding via Response Surface Methodology. Zhongguo Jiguang/Chinese Journal of Lasers, 2015, 42, 0203006.	1.2	1
108	Study on Tribological Properties of Ni-Based Silicide Coating on Copper by Laser Cladding. Zhongguo Jiguang/Chinese Journal of Lasers, 2015, 42, 0906005.	1.2	0

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109	Speed ripple minimization for interior-type PMSM using self-learning fuzzy control strategy. , 2014, , .		1
110	Retrograde Transplantar Arch Angioplasty of Below-the-Knee Arterial Occlusions. Academic Radiology, 2014, 21, 1475-1482.	2.5	8
111	Microstructure and wear behavior of Cu-Mo-Si coatings by laser cladding. Applied Surface Science, 2014, 311, 709-714.	6.1	25
112	Study of Influence of Wire Feeding Speed on Properties of Laser Brazing Joint of Zinc-Coated Steel. Zhongguo Jiguang/Chinese Journal of Lasers, 2014, 41, 1003003.	1.2	1
113	Protective effect of dl-3n-butylphthalide preconditioning on focal cerebral ischaemia-reperfusion injury in rats. Acta Neuropsychiatrica, 2013, 25, 12-17.	2.1	1
114	Strength and infrared assessment of spot-welded sheets on ferrite steel. Materials & Design, 2013, 52, 353-358.	5.1	8
115	Laser cladding of Co-based alloy/TiC/CaF ₂ self-lubricating composite coatings on copper for continuous casting mold. Surface and Coatings Technology, 2013, 232, 362-369.	4.8	105
116	Effect of Nb addition on Fe-Ni-B-Si amorphous and crystalline composite coatings by laser processing. Surface and Coatings Technology, 2013, 236, 84-90.	4.8	25
117	Analysis of Formation and Interfacial WC Dissolution Behavior of WC-Co/Invar Laser-TIG Welded Joints. Journal of Materials Engineering and Performance, 2013, 22, 613-623.	2.5	30
118	Microstructure evolution of laser remelted Al ₂ O ₃ -13wt.%TiO ₂ coatings. Journal of Alloys and Compounds, 2013, 576, 187-194.	5.5	19
119	Relationship between the $\hat{\Gamma}^3$ and some parameters of Fe-based bulk metallic glasses. International Journal of Materials Research, 2012, 103, 336-340.	0.3	3
120	Influence of different annealing temperatures and cooling rates on amorphous and crystalline composite coating. Surface and Coatings Technology, 2012, 206, 4981-4987.	4.8	23
121	Microstructure and tribological behavior of amorphous and crystalline composite coatings using laser melting. Applied Surface Science, 2012, 258, 6902-6908.	6.1	25
122	Microstructure and tribological properties of laser-clad Ni-Cr/TiB ₂ composite coatings on copper with the addition of CaF ₂ . Surface and Coatings Technology, 2012, 206, 4046-4053.	4.8	61
123	Development and characterization of laser surface cladding (Ti,W)C reinforced Ni-30Cu alloy composite coating on copper. Optics and Laser Technology, 2012, 44, 1351-1358.	4.6	59
124	Synthesis of Fe-Ni-B-Si-Nb amorphous and crystalline composite coatings by laser cladding and remelting. Surface and Coatings Technology, 2011, 206, 1229-1236.	4.8	69
125	Toughening of Fe-based laser-clad alloy coating. Applied Surface Science, 2011, 257, 2184-2192.	6.1	33
126	Effect of Ni-to-Fe ratio on structure and properties of Ni-Fe-B-Si-Nb coatings fabricated by laser processing. Applied Surface Science, 2011, 257, 3554-3557.	6.1	31

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127	Study on the softening in overlapping zone by laser-overlapping scanning surface hardening for carbon and alloyed steel. Optics and Lasers in Engineering, 2010, 48, 20-26.	3.8	48
128	Direct-soldering 6061 aluminum alloys with ultrasonic coating. Ultrasonics Sonochemistry, 2010, 17, 292-297.	8.2	21
129	Microstructural analysis in the vacuum brazing of copper to copper using a phosphorâ€“copper brazing filler metal. International Journal of Materials Research, 2010, 101, 1436-1440.	0.3	7
130	Amorphization of Fe-Ni Based Alloys by Laser Cladding and Remelting. Advanced Materials Research, 2010, 97-101, 1420-1424.	0.3	1
131	Effect of Longitudinal Magnetic Field on CMT Welding of Al-Alloy. Metals and Materials International, 0, , 1.	3.4	10
132	Microstructure and Properties of Vacuum-Brazed Joints of 3D-Structured Ni718 High-Temperature Alloy Prepared by Selective Laser Melting. Journal of Materials Engineering and Performance, 0, , 1.	2.5	0