

Jing Liang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Microstructure and Properties of 2Cr13-xMo Stainless Steels Fabricated by Direct Laser Deposition. Metals and Materials International, 2022, 28, 216-226.	3.4	4
2	Strength-ductility and corrosion resistance match mechanism of bainite/martensite dual phase 30Cr15MoY alloy steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 832, 142477.	5.6	7
3	Effect of Presence versus Absence of Hypertension on Admission Heart Rate-Associated Cardiovascular Risk in Patients with Acute Coronary Syndrome. International Journal of Hypertension, 2022, 2022, 1-7.	1.3	2
4	Preliminary Findings of Polypropylene Carbonate (PPC) Plastic Film Mulching Effects on the Soil Microbial Community. Agriculture (Switzerland), 2022, 12, 406.	3.1	11
5	The dynamic recrystallization mechanism of ultrasonic power on non-contact ultrasonic-assisted direct laser deposited alloy steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 840, 142971.	5.6	15
6	Exploration of compressive sensing in the classification of frozen fish based on two-dimensional correlation spectrum. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 274, 121057.	3.9	0
7	Strengthening and toughening effect of laser melting deposited Nb-16Si-20Ti-3Al with nano-ZrC additions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 850, 143509.	5.6	6
8	Layered 50Cr6Ni2/Stellite X-40 Multi-material Fabricated by Direct Laser Deposition: Characterization and Properties. Metals and Materials International, 2021, 27, 40-49.	3.4	10
9	Laser Cladding Novel NiCrSiFeBW-CeO ₂ Coating with Both High Wear and Corrosion Resistance. Metals and Materials International, 2021, 27, 2706-2719.	3.4	8
10	Study of surface topography detection and analysis methods of direct laser deposition 24CrNiMo alloy steel. Optics and Laser Technology, 2021, 135, 106661.	4.6	7
11	Microstructure and properties of high power-SLM 24CrNiMoY alloy steel at different laser energy density and tempering temperature. Powder Metallurgy, 2021, 64, 23-34.	1.7	1
12	The effect of Si and B on formability and wear resistance of preset-powder laser cladding W10V5Co4 alloy steel coating. Optics and Laser Technology, 2021, 134, 106590.	4.6	16
13	Effects of carbon fibers on the microstructure and properties of laser cladding 24CrNiMoY alloy steel. Journal of Manufacturing Processes, 2021, 62, 337-347.	5.9	8
14	Microstructure evolution and properties of direct laser deposited 24CrNiMoY alloy steel assisted by non-contact ultrasonic treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 811, 141088.	5.6	10
15	Differential bone remodeling mechanism in hindlimb unloaded rats and hibernating Daurian ground squirrels: a comparison between artificial and natural disuse. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2021, 191, 793-814.	1.5	3
16	Melatonin and Its Homologs Induce Immune Responses via Receptors trP47363-trP13076 in Nicotiana benthamiana. Frontiers in Plant Science, 2021, 12, 691835.	3.6	32
17	Evolution mechanism and precipitation kinetics of carbides in 50Cr6Ni2Y alloy steel by direct laser deposition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 820, 141535.	5.6	4
18	Effect of laser energy volume density on wear resistance and corrosion resistance of 30Cr15MoY alloy steel coating prepared by laser direct metal deposition. Surface and Coatings Technology, 2021, 421, 127382.	4.8	19

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19	Effects of LaB6 on the high-temperature oxidation behavior of TiC+TiBx reinforced titanium matrix composite coatings fabricated by laser cladding. Surface and Coatings Technology, 2021, 421, 127445.	4.8	7
20	Discovery of metal-based complexes as promising antimicrobial agents. European Journal of Medicinal Chemistry, 2021, 224, 113696.	5.5	37
21	5-Methoxyindole, a Chemical Homolog of Melatonin, Adversely Affects the Phytopathogenic Fungus Fusarium graminearum. International Journal of Molecular Sciences, 2021, 22, 10991.	4.1	18
22	Enhanced degradation of phenol by a novel biomaterial through the immobilization of bacteria on cationic straw. Water Science and Technology, 2021, 84, 3791-3798.	2.5	2
23	Preparation of TA15 powder reinforced 45CrNiMoY alloy steel with high mechanical property by pre-laid laser cladding technology. Materials Characterization, 2020, 160, 110097.	4.4	8
24	The effect of laser scanning speed on microstructural evolution during direct laser deposition 12CrNi2 alloy steel. Optics and Laser Technology, 2020, 125, 106041.	4.6	25
25	High performance polyanthraquinone/Co ²⁺ /Ni(OH) ₂ aqueous batteries based on hydroxyl and potassium insertion/extraction reactions. Sustainable Energy and Fuels, 2020, 4, 132-137.	4.9	14
26	Recent advances on porous interfaces for biomedical applications. Soft Matter, 2020, 16, 7231-7245.	2.7	6
27	Formation and Elimination Mechanism of Lack of Fusion and Cracks in Direct Laser Deposition 24CrNiMoY Alloy Steel. Journal of Materials Engineering and Performance, 2020, 29, 6439-6454.	2.5	9
28	Effects of LaB6 on microstructure evolution and properties of in-situ synthetic TiC+TiBx reinforced titanium matrix composite coatings prepared by laser cladding. Surface and Coatings Technology, 2020, 403, 126409.	4.8	31
29	Microstructure and wear behaviors of laser cladding in-situ synthetic (TiBx+TiC)/(Ti2Ni+TiNi) gradient composite coatings. Vacuum, 2020, 176, 109305.	3.5	37
30	Tantalum disulfide quantum dots: preparation, structure, and properties. Nanoscale Research Letters, 2020, 15, 20.	5.7	15
31	A new 50Cr6Ni2Y alloy steel prepared by Direct laser Deposition: Its design, microstructure and properties. Optics and Laser Technology, 2020, 126, 106080.	4.6	12
32	Mono-Dispersed Microspheres Locally Assembled on Porous Substrates Formed through a Microemulsion Approach. Polymers, 2020, 12, 964.	4.5	0
33	Microstructural Evolution and Properties of 24CrNiMoY Alloy Steel Fabricated by Selective Laser Melting. Journal of Materials Engineering and Performance, 2019, 28, 5521-5532.	2.5	15
34	Preparation and printability of high performance 15Cr13MoY alloy steel powder for direct laser deposition. Powder Metallurgy, 2019, 62, 218-228.	1.7	9
35	Microstructure and properties of 24CrNiMoY alloy steel prepared by direct laser deposited under different preheating temperatures. Materials Characterization, 2019, 158, 109931.	4.4	26
36	Microstructure evolution of 24CrNiMoY alloy steel parts by high power selective laser melting. Journal of Manufacturing Processes, 2019, 44, 28-37.	5.9	21

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37	Thermal behavior and grain evolution of 24CrNiMoY alloy steel prepared by pre-laid laser cladding technology. Optics and Laser Technology, 2019, 119, 105613.	4.6	23
38	Studies on Formation Mechanism of In Situ Particles During Laser Direct Deposition of Fe-Based Composite Coatings with Valence Electron Structure Parameters. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 2599-2612.	2.2	4
39	Clinical-biological characteristics and treatment outcomes of pediatric pro-B ALL patients enrolled in BCH-2003 and CCLG-2008 protocol: a study of 121 Chinese children. Cancer Cell International, 2019, 19, 293.	4.1	12
40	The evolution of bainite and mechanical properties of direct laser deposition 12CrNi2 alloy steel at different laser power. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 742, 150-161.	5.6	74
41	Characteristics and printability of K417G nickel-base alloy powder prepared by VIGA method. Powder Metallurgy, 2019, 62, 30-37.	1.7	4
42	Effect of laser incident energy on microstructures and mechanical properties of 12CrNi2Y alloy steel by direct laser deposition. Journal of Materials Science and Technology, 2019, 35, 395-402.	10.7	43
43	Effect of laser energy density on defects behavior of direct laser depositing 24CrNiMo alloy steel. Optics and Laser Technology, 2019, 111, 541-553.	4.6	69
44	Achieving a stable Na metal anode with a 3D carbon fibre scaffold. Inorganic Chemistry Frontiers, 2018, 5, 864-869.	6.0	40
45	Effect of Nano-Y2O3 on Microstructure and Crack Formation in Laser Direct-Deposited In Situ Particle-Reinforced Fe-Based Coatings. Journal of Materials Engineering and Performance, 2018, 27, 1154-1167.	2.5	10
46	Effect of Ce element on microstructure and properties of 12CrNi2Ce alloy steel prepared by laser direct metal deposition. Journal of Laser Applications, 2018, 30, 032020.	1.7	5
47	An Alternative to Lithium Metal Anodes: Non-dendritic and Highly Reversible Sodium Metal Anodes for Li-ion Hybrid Batteries. Angewandte Chemie - International Edition, 2018, 57, 14796-14800.	13.8	102
48	An Alternative to Lithium Metal Anodes: Non-dendritic and Highly Reversible Sodium Metal Anodes for Li-ion Hybrid Batteries. Angewandte Chemie, 2018, 130, 15012-15016.	2.0	14
49	Selective laser melting of 24CrNiMo steel for brake disc: Fabrication efficiency, microstructure evolution, and properties. Optics and Laser Technology, 2018, 107, 99-109.	4.6	60
50	The Influence of Alkali Treatment for Synthesizing Hierarchical Zeolite on Behavior of Cobalt Fischer-Tropsch Synthesis Catalysts. Catalysis Surveys From Asia, 2017, 21, 28-36.	2.6	6
51	Laser cladding FeCrCoNiTiAl high entropy alloy coatings reinforced with self-generated TiC particles. Journal of Laser Applications, 2017, 29, .	1.7	29
52	Elevated IL-37 levels in the plasma of patients with severe coronary artery calcification. Journal of Geriatric Cardiology, 2017, 14, 285-291.	0.2	13
53	Women With Early Menopause Have Higher Rates of Target Lesion Revascularization After Percutaneous Coronary Intervention. Angiology, 2016, 67, 311-316.	1.8	1
54	Insulin Resistance Increases the Risk of Contrast-Induced Nephropathy in Patients Undergoing Elective Coronary Intervention. Angiology, 2016, 67, 139-145.	1.8	13

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55	PAAT, a novel ATPase and <i>trans</i> -regulator of mitochondrial ABC transporters, is critically involved in the maintenance of mitochondrial homeostasis. FASEB Journal, 2014, 28, 4821-4834.	0.5	21
56	Destabilizing LSD1 by Jade-2 Promotes Neurogenesis: An Antibraking System in Neural Development. Molecular Cell, 2014, 55, 482-494.	9.7	89
57	In situ synthesis of platinum/polyaniline composite counter electrodes for flexible dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 5308.	6.7	52
58	Size-controlled chalcopyrite CuInS ₂ nanocrystals: One-pot synthesis and optical characterization. Science China Chemistry, 2012, 55, 1236-1241.	8.2	17
59	Ni _{1-x} Pt _x (x=0-0.08) films as the photocathode of dye-sensitized solar cells with high efficiency. Nano Research, 2009, 2, 484-492.	10.4	42
60	GAS, a new glutamate-rich protein, interacts differentially with SRCs and is involved in oestrogen receptor function. EMBO Reports, 2009, 10, 51-57.	4.5	16
61	SIRT6 mediates multidimensional modulation to maintain organism homeostasis. Journal of Cellular Physiology, 0, , .	4.1	3