

Jing Liang

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	An Alternative to Lithium Metal Anodes: Non-dendritic and Highly Reversible Sodium Metal Anodes for Li-Na Hybrid Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14796-14800.	7.2	102
2	Destabilizing LSD1 by Jade-2 Promotes Neurogenesis: An Antibraking System in Neural Development. <i>Molecular Cell</i> , 2014, 55, 482-494.	4.5	89
3	The evolution of bainite and mechanical properties of direct laser deposition 12CrNi2 alloy steel at different laser power. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 742, 150-161.	2.6	74
4	Effect of laser energy density on defects behavior of direct laser depositing 24CrNiMo alloy steel. <i>Optics and Laser Technology</i> , 2019, 111, 541-553.	2.2	69
5	Selective laser melting of 24CrNiMo steel for brake disc: Fabrication efficiency, microstructure evolution, and properties. <i>Optics and Laser Technology</i> , 2018, 107, 99-109.	2.2	60
6	In situ synthesis of platinum/polyaniline composite counter electrodes for flexible dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 5308.	6.7	52
7	Effect of laser incident energy on microstructures and mechanical properties of 12CrNi2Y alloy steel by direct laser deposition. <i>Journal of Materials Science and Technology</i> , 2019, 35, 395-402.	5.6	43
8	Ni _{1-x} Pt _x (x=0-0.08) films as the photocathode of dye-sensitized solar cells with high efficiency. <i>Nano Research</i> , 2009, 2, 484-492.	5.8	42
9	Achieving a stable Na metal anode with a 3D carbon fibre scaffold. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 864-869.	3.0	40
10	Microstructure and wear behaviors of laser cladding in-situ synthetic (TiBx+TiC)/(Ti2Ni+TiNi) gradient composite coatings. <i>Vacuum</i> , 2020, 176, 109305.	1.6	37
11	Discovery of metal-based complexes as promising antimicrobial agents. <i>European Journal of Medicinal Chemistry</i> , 2021, 224, 113696.	2.6	37
12	Melatonin and Its Homologs Induce Immune Responses via Receptors trP47363-trP13076 in <i>Nicotiana benthamiana</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 691835.	1.7	32
13	Effects of LaB6 on microstructure evolution and properties of in-situ synthetic TiC+TiBx reinforced titanium matrix composite coatings prepared by laser cladding. <i>Surface and Coatings Technology</i> , 2020, 403, 126409.	2.2	31
14	Laser cladding FeCrCoNiTiAl high entropy alloy coatings reinforced with self-generated TiC particles. <i>Journal of Laser Applications</i> , 2017, 29, .	0.8	29
15	Microstructure and properties of 24CrNiMoY alloy steel prepared by direct laser deposited under different preheating temperatures. <i>Materials Characterization</i> , 2019, 158, 109931.	1.9	26
16	The effect of laser scanning speed on microstructural evolution during direct laser deposition 12CrNi2 alloy steel. <i>Optics and Laser Technology</i> , 2020, 125, 106041.	2.2	25
17	Thermal behavior and grain evolution of 24CrNiMoY alloy steel prepared by pre-laid laser cladding technology. <i>Optics and Laser Technology</i> , 2019, 119, 105613.	2.2	23
18	PAAT, a novel ATPase and <i>trans</i> -regulator of mitochondrial ABC transporters, is critically involved in the maintenance of mitochondrial homeostasis. <i>FASEB Journal</i> , 2014, 28, 4821-4834.	0.2	21

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19	Microstructure evolution of 24CrNiMoY alloy steel parts by high power selective laser melting. <i>Journal of Manufacturing Processes</i> , 2019, 44, 28-37.	2.8	21
20	Effect of laser energy volume density on wear resistance and corrosion resistance of 30Cr15MoY alloy steel coating prepared by laser direct metal deposition. <i>Surface and Coatings Technology</i> , 2021, 421, 127382.	2.2	19
21	5-Methoxyindole, a Chemical Homolog of Melatonin, Adversely Affects the Phytopathogenic Fungus <i>Fusarium graminearum</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 10991.	1.8	18
22	Size-controlled chalcopyrite CuInS ₂ nanocrystals: One-pot synthesis and optical characterization. <i>Science China Chemistry</i> , 2012, 55, 1236-1241.	4.2	17
23	GAS, a new glutamate-rich protein, interacts differentially with SRCs and is involved in oestrogen receptor function. <i>EMBO Reports</i> , 2009, 10, 51-57.	2.0	16
24	The effect of Si and B on formability and wear resistance of preset-powder laser cladding W10V5Co4 alloy steel coating. <i>Optics and Laser Technology</i> , 2021, 134, 106590.	2.2	16
25	Microstructural Evolution and Properties of 24CrNiMoY Alloy Steel Fabricated by Selective Laser Melting. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 5521-5532.	1.2	15
26	Tantalum disulfide quantum dots: preparation, structure, and properties. <i>Nanoscale Research Letters</i> , 2020, 15, 20.	3.1	15
27	The dynamic recrystallization mechanism of ultrasonic power on non-contact ultrasonic-assisted direct laser deposited alloy steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 840, 142971.	2.6	15
28	An Alternative to Lithium Metal Anodes: Non-dendritic and Highly Reversible Sodium Metal Anodes for Li-Na Hybrid Batteries. <i>Angewandte Chemie</i> , 2018, 130, 15012-15016.	1.6	14
29	High performance polyanthraquinone/Co-Ni(OH) ₂ aqueous batteries based on hydroxyl and potassium insertion/extraction reactions. <i>Sustainable Energy and Fuels</i> , 2020, 4, 132-137.	2.5	14
30	Insulin Resistance Increases the Risk of Contrast-Induced Nephropathy in Patients Undergoing Elective Coronary Intervention. <i>Angiology</i> , 2016, 67, 139-145.	0.8	13
31	Elevated IL-37 levels in the plasma of patients with severe coronary artery calcification. <i>Journal of Geriatric Cardiology</i> , 2017, 14, 285-291.	0.2	13
32	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. <i>Cancer Cell International</i> , 2019, 19, 293.	1.8	12
33	A new 50Cr6Ni2Y alloy steel prepared by Direct laser Deposition: Its design, microstructure and properties. <i>Optics and Laser Technology</i> , 2020, 126, 106080.	2.2	12
34	Preliminary Findings of Polypropylene Carbonate (PPC) Plastic Film Mulching Effects on the Soil Microbial Community. <i>Agriculture (Switzerland)</i> , 2022, 12, 406.	1.4	11
35	Effect of Nano-Y ₂ O ₃ on Microstructure and Crack Formation in Laser Direct-Deposited In Situ Particle-Reinforced Fe-Based Coatings. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 1154-1167.	1.2	10
36	Layered 50Cr6Ni2/Stellite X-40 Multi-material Fabricated by Direct Laser Deposition: Characterization and Properties. <i>Metals and Materials International</i> , 2021, 27, 40-49.	1.8	10

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37	Microstructure evolution and properties of direct laser deposited 24CrNiMoY alloy steel assisted by non-contact ultrasonic treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 811, 141088.	2.6	10
38	Preparation and printability of high performance 15Cr13MoY alloy steel powder for direct laser deposition. <i>Powder Metallurgy</i> , 2019, 62, 218-228.	0.9	9
39	Formation and Elimination Mechanism of Lack of Fusion and Cracks in Direct Laser Deposition 24CrNiMoY Alloy Steel. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 6439-6454.	1.2	9
40	Preparation of TA15 powder reinforced 45CrNiMoY alloy steel with high mechanical property by pre-laid laser cladding technology. <i>Materials Characterization</i> , 2020, 160, 110097.	1.9	8
41	Laser Cladding Novel NiCrSiFeBWâ€“CeO ₂ Coating with Both High Wear and Corrosion Resistance. <i>Metals and Materials International</i> , 2021, 27, 2706-2719.	1.8	8
42	Effects of carbon fibers on the microstructure and properties of laser cladding 24CrNiMoY alloy steel. <i>Journal of Manufacturing Processes</i> , 2021, 62, 337-347.	2.8	8
43	Study of surface topography detection and analysis methods of direct laser deposition 24CrNiMo alloy steel. <i>Optics and Laser Technology</i> , 2021, 135, 106661.	2.2	7
44	Effects of LaB ₆ on the high-temperature oxidation behavior of TiC+TiB _x reinforced titanium matrix composite coatings fabricated by laser cladding. <i>Surface and Coatings Technology</i> , 2021, 421, 127445.	2.2	7
45	Strength-ductility and corrosion resistance match mechanism of bainite/martensite dual phase 30Cr15MoY alloy steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 832, 142477.	2.6	7
46	The Influence of Alkali Treatment for Synthesizing Hierarchical Zeolite on Behavior of Cobalt Fischerâ€“Tropsch Synthesis Catalysts. <i>Catalysis Surveys From Asia</i> , 2017, 21, 28-36.	1.0	6
47	Recent advances on porous interfaces for biomedical applications. <i>Soft Matter</i> , 2020, 16, 7231-7245.	1.2	6
48	Strengthening and toughening effect of laser melting deposited Nbâ€“16Siâ€“20Tiâ€“3Al with nano-ZrC additions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 850, 143509.	2.6	6
49	Effect of Ce element on microstructure and properties of 12CrNi2Ce alloy steel prepared by laser direct metal deposition. <i>Journal of Laser Applications</i> , 2018, 30, 032020.	0.8	5
50	Studies on Formation Mechanism of In Situ Particles During Laser Direct Deposition of Fe-Based Composite Coatings with Valence Electron Structure Parameters. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 2599-2612.	1.1	4
51	Characteristics and printability of K417G nickel-base alloy powder prepared by VIGA method. <i>Powder Metallurgy</i> , 2019, 62, 30-37.	0.9	4
52	Evolution mechanism and precipitation kinetics of carbides in 50Cr6Ni2Y alloy steel by direct laser deposition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 820, 141535.	2.6	4
53	Microstructure and Properties of 2Cr13-xMo Stainless Steels Fabricated by Direct Laser Deposition. <i>Metals and Materials International</i> , 2022, 28, 216-226.	1.8	4
54	Differential bone remodeling mechanism in hindlimb unloaded rats and hibernating Daurian ground squirrels: a comparison between artificial and natural disuse. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 793-814.	0.7	3

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55	SIRT6 mediates multidimensional modulation to maintain organism homeostasis. <i>Journal of Cellular Physiology</i> , 0, , .	2.0	3
56	Enhanced degradation of phenol by a novel biomaterial through the immobilization of bacteria on cationic straw. <i>Water Science and Technology</i> , 2021, 84, 3791-3798.	1.2	2
57	Effect of Presence versus Absence of Hypertension on Admission Heart Rate-Associated Cardiovascular Risk in Patients with Acute Coronary Syndrome. <i>International Journal of Hypertension</i> , 2022, 2022, 1-7.	0.5	2
58	Women With Early Menopause Have Higher Rates of Target Lesion Revascularization After Percutaneous Coronary Intervention. <i>Angiology</i> , 2016, 67, 311-316.	0.8	1
59	Microstructure and properties of high power-SLM 24CrNiMoY alloy steel at different laser energy density and tempering temperature. <i>Powder Metallurgy</i> , 2021, 64, 23-34.	0.9	1
60	Mono-Dispersed Microspheres Locally Assembled on Porous Substrates Formed through a Microemulsion Approach. <i>Polymers</i> , 2020, 12, 964.	2.0	0
61	Exploration of compressive sensing in the classification of frozen fish based on two-dimensional correlation spectrum. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 274, 121057.	2.0	0