

Yong Lian

List of Publications by Year in descending order

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papers

358
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840776

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#	ARTICLE	IF	CITATIONS
1	Effect of Tempering Treatment on Atmospheric Corrosion Behavior of 3Cr13 Martensitic Stainless Steel in Marine Environment. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 4963-4973.	2.5	4
2	Control of ZM5 alloy ignition via PEO/aluminum phosphate composite coating. <i>Surface and Coatings Technology</i> , 2022, 436, 128309.	4.8	2
3	Acceleration effects of rare earths on salt bath nitriding: diffusion kinetics and first-principles calculations. <i>Surface Engineering</i> , 2021, 37, 764-774.	2.2	9
4	C-Al ₂ O ₃ coatings prepared by cathode plasma electrolytic deposition on TC4 substrate for better high temperature oxidation resistance. <i>Surface and Coatings Technology</i> , 2021, 405, 126585.	4.8	14
5	Effects of vanadium content on the carbides transformation and strengthening mechanism of MPS700V hot-work die steel at room and elevated temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 813, 141091.	5.6	18
6	Modeling and optimization for laser cladding via multi-objective quantum-behaved particle swarm optimization algorithm. <i>Surface and Coatings Technology</i> , 2020, 381, 125129.	4.8	50
7	The effects of Cr ₂ O ₃ particles on the microstructure and wear-resistant properties of electrodeposited CoNiP coatings. <i>Surface and Coatings Technology</i> , 2020, 381, 125167.	4.8	10
8	Effect of Final Rolling Temperature on Microstructures and Mechanical Properties of AZ31 Alloy Sheets Prepared by Equal Channel Angular Rolling and Continuous Bending. <i>Materials</i> , 2020, 13, 3346.	2.9	5
9	Low-Cycle Fatigue Behavior of the Novel Steel and 30SiMn2MoV Steel at 700 °C. <i>Materials</i> , 2020, 13, 5753.	2.9	6
10	Hot Deformation Characteristics and Processing Map of 1Cr12Ni2Mo2WVNb Martensitic Stainless Steel. <i>Steel Research International</i> , 2020, 91, 2000020.	1.8	14
11	A review on ignition mechanisms and characteristics of magnesium alloys. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 329-344.	11.9	65
12	Characterization of micro-arc oxidation coatings on Ti6Al4V with addition of SiC particle. <i>Materials Research Express</i> , 2020, 7, 016438.	1.6	4
13	Microstructure and Mechanical Property of Mg-3Al-1Zn Magnesium Alloy Sheet Processed by Integrated High Temperature Rolling and Continuous Bending. <i>Metals</i> , 2020, 10, 380.	2.3	2
14	Influence of Austenitizing Temperature on the Microstructure and Mechanical Properties of an Fe-Cr-Ni-Mo-Ti Maraging Stainless Steel. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 5466-5475.	2.5	6
15	Design for Novel Hot-Work Die Steel by Thermodynamic Calculation and Microstructural Examination. <i>Metals</i> , 2019, 9, 805.	2.3	6
16	Effect of homogenization annealing on internal residual stress distribution and texture in ME21 magnesium alloy extruded plates. <i>Journal of Magnesium and Alloys</i> , 2019, 7, 186-192.	11.9	12
17	The effect of electric conductivity on the structure of ceramic coatings prepared by cathode plasma electrolytic deposition. <i>Materials Chemistry and Physics</i> , 2019, 224, 36-39.	4.0	7
18	Numerical Investigation of Secondary Deformation Mechanisms on Plastic Deformation of AZ31 Magnesium Alloy Using Viscoplastic Self-Consistent Model. <i>Metals</i> , 2019, 9, 41.	2.3	10

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19	Study of dry sliding wear characteristics of stellite 6B versus AISI M2 steel at various sliding velocities. <i>Wear</i> , 2018, 402-403, 169-178.	3.1	13
20	Effects of cold rolling on the microstructure and properties of Fe-Cr-Ni-Mo-Ti maraging steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 712, 663-670.	5.6	24
21	Research progress of residual stress determination in magnesium alloys. <i>Journal of Magnesium and Alloys</i> , 2018, 6, 238-244.	11.9	25
22	Microstructure and properties of 1Cr12Ni2WMoVNb (GX-8) steel bored barrels with and without QPQ treatment. <i>Surface and Coatings Technology</i> , 2017, 315, 95-104.	4.8	21
23	Synergistic effect of PEG and hydrosol treatments of solution on preparing Al_2O_3 coating by cathode plasma electrolytic deposition. <i>Materials Research Express</i> , 2017, 4, 036306.	1.6	10
24	Comparison of residual stress determination using different crystal planes by short-wavelength X-ray diffraction in a friction-stir-welded aluminum alloy plate. <i>Journal of Materials Science</i> , 2017, 52, 12834-12847.	3.7	7
25	Effect of 0.2 and 0.5% Ti on the microstructure and mechanical properties of 13Cr supermartensitic stainless steel. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 4253-4259.	2.5	14