

# Yong Lian

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

358  
citations

840776

11  
h-index

839539

18  
g-index

25  
all docs

25  
docs citations

25  
times ranked

315  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on ignition mechanisms and characteristics of magnesium alloys. Journal of Magnesium and Alloys, 2020, 8, 329-344.	11.9	65
2	Modeling and optimization for laser cladding via multi-objective quantum-behaved particle swarm optimization algorithm. Surface and Coatings Technology, 2020, 381, 125129.	4.8	50
3	Research progress of residual stress determination in magnesium alloys. Journal of Magnesium and Alloys, 2018, 6, 238-244.	11.9	25
4	Effects of cold rolling on the microstructure and properties of Fe-Cr-Ni-Mo-Ti maraging steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 712, 663-670.	5.6	24
5	Microstructure and properties of 1Cr12Ni2WMoVNb (GX-8) steel bored barrels with and without QPQ treatment. Surface and Coatings Technology, 2017, 315, 95-104.	4.8	21
6	Effects of vanadium content on the carbides transformation and strengthening mechanism of MPS700V hot-work die steel at room and elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 813, 141091.	5.6	18
7	Effect of 0.2 and 0.5% Ti on the microstructure and mechanical properties of 13Cr supermartensitic stainless steel. Journal of Materials Engineering and Performance, 2015, 24, 4253-4259.	2.5	14
8	Hot Deformation Characteristics and Processing Map of 1Cr12Ni2Mo2WVNb Martensitic Stainless Steel. Steel Research International, 2020, 91, 2000020.	1.8	14
9	C-Al <sub>2</sub> O <sub>3</sub> coatings prepared by cathode plasma electrolytic deposition on TC4 substrate for better high temperature oxidation resistance. Surface and Coatings Technology, 2021, 405, 126585.	4.8	14
10	Study of dry sliding wear characteristics of stellite 6B versus AISI M2 steel at various sliding velocities. Wear, 2018, 402-403, 169-178.	3.1	13
11	Effect of homogenization annealing on internal residual stress distribution and texture in ME21 magnesium alloy extruded plates. Journal of Magnesium and Alloys, 2019, 7, 186-192.	11.9	12
12	Synergistic effect of PEG and hydrosol treatments of solution on preparing Al <sub>2</sub> O <sub>3</sub> coating by cathode plasma electrolytic deposition. Materials Research Express, 2017, 4, 036306.	1.6	10
13	Numerical Investigation of Secondary Deformation Mechanisms on Plastic Deformation of AZ31 Magnesium Alloy Using Viscoplastic Self-Consistent Model. Metals, 2019, 9, 41.	2.3	10
14	The effects of Cr <sub>2</sub> O <sub>3</sub> particles on the microstructure and wear-resistant properties of electrodeposited CoNiP coatings. Surface and Coatings Technology, 2020, 381, 125167.	4.8	10
15	Acceleration effects of rare earths on salt bath nitriding: diffusion kinetics and first-principles calculations. Surface Engineering, 2021, 37, 764-774.	2.2	9
16	Comparison of residual stress determination using different crystal planes by short-wavelength X-ray diffraction in a friction-stir-welded aluminum alloy plate. Journal of Materials Science, 2017, 52, 12834-12847.	3.7	7
17	The effect of electric conductivity on the structure of ceramic coatings prepared by cathode plasma electrolytic deposition. Materials Chemistry and Physics, 2019, 224, 36-39.	4.0	7
18	Influence of Austenitizing Temperature on the Microstructure and Mechanical Properties of an Fe-Cr-Ni-Mo-Ti Maraging Stainless Steel. Journal of Materials Engineering and Performance, 2019, 28, 5466-5475.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Design for Novel Hot-Work Die Steel by Thermodynamic Calculation and Microstructural Examination. <i>Metals</i> , 2019, 9, 805.	2.3	6
20	Low-Cycle Fatigue Behavior of the Novel Steel and 30SiMn2MoV Steel at 700 Å°C. <i>Materials</i> , 2020, 13, 5753.	2.9	6
21	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
22	Characterization of micro-arc oxidation coatings on Ti6Al4V with addition of SiC particle. <i>Materials Research Express</i> , 2020, 7, 016438.	1.6	4
23	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
24	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
25	Control of ZM5 alloy ignition via PEO/aluminum phosphate composite coating. <i>Surface and Coatings Technology</i> , 2022, 436, 128309.	4.8	2