

序号	论文名称	期刊名称	卷、期、页	作者
1.	Microstructural Characteristics and Mechanical Properties of the Hot Extruded Mg-Zn-Y-Nd alloy with Different Zn and Y Contents	Journal of Materials Science & Technology	60 (2021) 44-55	B.N. Du, Z.Y. Hu, L.Y. Sheng, Y.X. Qiao, B.J. Wang, D.K. Xu, Y.F. Zheng, T.F. Xi
2.	Effect of hydrogen charging on microstructural evolution and corrosion behavior of a Ti-4Al-2V-1Mo-1Fe alloy	Journal of Materials Science & Technology	60 (2021) 168-176	Y.X. Qiao, D.K. Xu, S. Wang, Y.J. Ma, J. Chen
3.	A multiphysics model for studying transient crevice corrosion of stainless steel	Journal of Materials Science & Technology	60 (2021) 186-196	Ding JW, Wang HT, Han EH
4.	Effect of interlayer addition on microstructure and mechanical properties of NiTi/stainless steel joint by electron beam welding	Journal of Materials Science & Technology	61 (2021) 16-24	H. Niu, H.C. Jiang, M.J. Zhao, L.J. Rong
5.	Oxidation behavior of ferritic/martensitic steels in flowing supercritical water	Journal of Materials Science & Technology	64 (2021) 114-125	Quanqiang Shi, Wei Yan, Yanfen Li, Naiqiang Zhang, Yiyin Shan, Ke Yang, Hiroaki Abe
6.	Corrosion resistance of tannic acid, d-limonene and nano-ZrO <sub>2</sub> modified epoxy coatings in acid corrosion environments	Journal of Materials Science & Technology	65 (2021) 137-150	Chang J W, Wang Z Y, Han E H, Liang X L, Wang G, Yi Z Y, Li N
7.	Effects of thiosulfate and dissolved oxygen on crevice corrosion of Alloy 690 in high-temperature chloride solution	Journal of Materials Science & Technology	66 (2021) 163-176	Fangqiang Ning, Jibo Tan, Ziyu Zhang, Xinqiang Wu, Xiang Wang, En-Hou Han, Wei Ke,

序号	论文名称	期刊名称	卷、期、页	作者
8.	Uniform corrosion behavior of FeCrAl alloys in borated and lithiated high temperature water	Journal of Materials Science & Technology	70 (2021) 136-144	Fangqiang Ning, Xiang Wang, Ying Yang, Jibo Tan, Ziyu Zhang, Dan Jia, Xinqiang Wu, En-Hou Han
9.	Microstructural evolution and tensile property of 1Cr15Ni36W3Ti superalloy during thermal exposure	Journal of Materials Science & Technology	73 (2021) 193-204	Li HaoZe, Gao Ming, Li Min, Ma YingChe, Liu Kui
10.	A new method to determine the synergistic effects of area ratio and microstructure on the galvanic corrosion of LAS A508/309 L/308 L SS dissimilar metals weld	Journal of Materials Science & Technology	78 (2021) 38-50	Bright O. Okonkwo, Hongliang Ming, Jianqiu Wang, En-Hou Han, Ehsan Rahimi, Saman Hosseinpour, Ali Davoodi
11.	Preliminary study on the fabrication of 14Cr-ODS FeCrAl alloy by powder forging	Journal of Materials Science & Technology	83 (2021) 49-57	Wu S J, Li J, Li C J, Li Y Y, Xiong L Y, Liu S
12.	Irradiation behaviors of two novel single-phase bcc-structure high-entropy alloys for accident-tolerant fuel cladding	Journal of Materials Science & Technology	84 (2021) 230-238	Zhang Z J, Han E H, Xiang C
13.	On Laves phase in a 9Cr3W3CoB martensitic heat resistant steel when aged at high temperatures	Journal of Materials Science & Technology	85 (2021) 129-140	Ye Liang, Wei Yan, Xianbo Shi, Yanfen Li, Quanqiang Shi, Wei Wang, Yiyin Shan, Ke Yang
14.	Correlation between depassivation and repassivation processes determined by single particle impingement: Its crucial role in the phenomenon of critical flow velocity for erosion-corrosion	Journal of Materials Science & Technology	89 (2021) 158-166	Li L L, Wang Z B, He S Y, Zheng Y G

序号	论文名称	期刊名称	卷、期、页	作者
15.	Green strategy of scaleably synthesizing copper nanocomposites with remarkable catalytic activity for wastewater treatment	Journal of Materials Science & Technology	95 (2021) 158-166	Zhao BW, Li HL, Li ZK, Ge SF, Qin XD, Zhang SM, Wang AM, Zhang HF, Zhu ZW
16.	Effects of welding columnar grain orientation and strain rate on corrosion fatigue behavior of Alloy 52/52M weld metal in high-temperature water	Corrosion Science	180 (2021) 109196	Jun Gao, Jibo Tan, Ziyu Zhang, Ming Jiao, Xinqiang Wu, Lichen Tang, Yifeng Huang
17.	Effect of cyanate ester and graphene oxide as modifiers on corrosion protection performance of epoxy composite coating in sulfuric acid solution	Corrosion Science	182 (2021) 109266	Liu Q, Wang Z Y, Han E H
18.	The change of cathode/anode roles and corrosion forms in 2024/Q235/304 tri-metallic couple with the variation of oxygen concentrations and area ratios	Corrosion Science	184 (2021) 109400	Linjun Shi, Yingwei Song, Kaihui Dong, Haitao Wang, Dayong Shan, En-Hou Han
19.	Nodular corrosion inside the crevice of Alloy 690 in deaerated high-temperature chloride solution	Corrosion Science	185 (2021) 109442	Fangqiang Ning, Jibo Tan, Ziyu Zhang, Xiang Wang, Xinqiang Wu, En-Hou Han, Wei Ke
20.	Oxidation behavior of 304 stainless steel with modified layer by plasma nitriding in High temperature and pressurized water	Corrosion Science	186 (2021) 109468	Dongxu Chen, Mengnan Liu, Xiahe Liu, Yanwen Zhou, Xiang Wang, Yangtao Zhou
21.	Environmentally assisted cracking in the fusion boundary region of a SA508-Alloy 52M dissimilar weld joint in simulated primary pressurized water reactor environments	Corrosion Science	190 (2021) 109668	Lijin Dong, Yan Zhang, Yaolei Han, Qunjia Peng, En-Hou Han

序号	论文名称	期刊名称	卷、期、页	作者
22.	Effect of helium ion irradiation on corrosion behavior of two novel high-entropy alloys in simulated PWR primary water	Corrosion Science	191 (2021) 109742	Zhang Z J, Han E H, Xiang C
23.	Effect of Surface Scratch Depth on Microstructure Change and Stress Corrosion Cracking Behavior of Alloy 690TT Steam Generator Tube	Corrosion Science	192 (2021) 109792	Bin Wu, Hongliang Ming, Zhiming Zhang, Fanjiang Meng, Yifeng Li, Jianqiu Wang, En-Hou Han
24.	Inhibition performance of benzimidazole derivatives with different heteroatoms on the under-deposit corrosion of carbon steel in CO <sub>2</sub> -saturated solution	Corrosion Science	192 (2021) 109841	Pang L, Wang Z B, Lu M H, Lu Y, Liu X, Zheng Y G
25.	Oxygen impurity improving corrosion resistance of a Zr-based bulk metallic glass in 3.5 wt% NaCl solution	Corrosion Science	192 (2021) 109867	Jiang J, Wang Z B, Pang S J, Zheng Y G, Li Y
26.	High-performance ZnCo <sub>2</sub> O <sub>4</sub> microsheets as an anode for lithium-ion batteries	Chemical Communications	57 (2021) 10723	Ying Kang, Hongwei Shi, Yu-Hang Zhang, Fa-Nian Shi
27.	Effect of electrochemical hydrogen charging on the mechanical behavior of a dual-phase Ti-4Al-2V-1Mo-1Fe (in wt.%) alloy	Materials Science & Engineering A	802 (2021) 140448	S. Wang, D.K. Xu, Z.Q. Zhang, Y.J. Ma, Y.X. Qiao
28.	Effect of NbC and VC carbides on microstructure and strength of high-strength low-alloyed steels for oil country tubular goods	Materials Science & Engineering A	824 (2021) 141845	Tianyi Zeng, Shuzhan Zhang, Xianbo Shi, Wei Wang, Wei Yan, Ke Yang

序号	论文名称	期刊名称	卷、期、页	作者
29.	Flow-induced vibration of tube bundles considering the effect of periodic fluid force in a rotated triangular tube array	Annals of Nuclear Energy	161 (2021) 108488	Jiang Lai, Tiancai Tan, Shihao Yang, Lingling Lu, Lei Sun, Hongliang Ming
30.	Corrosion Behavior and Mechanism of Irradiated 304 Nuclear Grade Stainless Steel in High-Temperature Water	Acta Metallurgica Sinica (English Letters)	34 (2021) 174–186	Ping Deng, En-Hou Han, Qunjia Peng, Chen Sun
31.	Effect of CaCl <sub>2</sub> and NaHCO <sub>3</sub> in physiological saline solution on the corrosion behavior of an as-extruded Mg-Zn-Y-Nd alloy	Acta Metallurgica Sinica (English Letters)	34 (2021) 239-247	B.J. Wang, D.K. Xu, T.Y. Zhao, L.Y. Sheng
32.	A study of microstructure and mechanical properties for the autogenous single-pass butt weldment of a ferritic/martensitic steel using gas tungsten arc welding	Acta Metallurgica Sinica (English Letters)	34 (2021) 628-638	D. Wu, S.T. Wei, S.P. Lu
33.	Phase Characterization and Formation Behavior in 6 wt% Si High-silicon Austenitic Stainless Steel during Isothermal Aging	Acta Metallurgica Sinica (English Letters)	34 (2021) 649-656	Sihan Chen, Tian Liang, Yangtao Zhou, Weiwei Xing, Chengwu Zheng, Yingche Ma, JinMing Wu, Guobin Li, Kui Liu
34.	Effect of carbon content on the creep rupture properties and microstructure of 316H weld metals	Acta Metallurgica Sinica (English Letters)	34 (2021) 986-996	L.L. Zhao, S.T. Wei, D.B. Gao, S.P. Lu
35.	Formation mechanism of nanoparticles in Fe-Cr-Al ODS alloy fabricated by direct oxidation method	Acta Metallurgica Sinica (English Letters)	34 (2021) 963-972	Yan F Z, Li J, Li Y Y, Liu S

序号	论文名称	期刊名称	卷、期、页	作者
36.	Ultrafine-grained dual-phase maraging steel with high strength and excellent cryogenic toughness	Acta Materialia	211 (2021) 116878	H.L. Zhang, M.Y. Sun, Y. X. Liu, D. P. Ma, B. Xu, M.X. Huang, D.Z. Li, Y.Y. Li
37.	Study on the formation mechanism of Y-Ti-O oxides during mechanical milling and annealing treatment	Advanced Powder Technology	32 (2) (2021) 582-590	Jiarong Zhang, Yanfen Li, Feiyang Bao, Xiang Rui, Zhengang Duan, Wei Yan, Quanqiang Shi, Yiyin Shan, Ke
38.	Cu-Ag nanocomposites in-situ formed on the surface of CuZr-based metallic glasses as highly efficient catalysts for improving catalytic behavior and reusability towards wastewater treatment	Applied Surface Science	568 (2021) 150920	Zhao BW, Zeng S, Qin XD, Li ZK, Zhang SM, Zhang HF, Zhu ZW
39.	Precipitation of dendritic $M_{23}C_6$ carbides in alloy 690 during continuous cooling	Journal of Alloys and Compounds	851 (2021) 156694	Zhao Xia, Wang Min, Hao Xian Cha, Zha Xiang Dong, Gao Ming, Ma Ying Che, Liu Kui
40.	Corrosion behavior of dual-phase Ti-6Al-4V alloys: A discussion on the impact of Fe content	Journal of Alloys and Compounds	858 (2021) 157708	Pingping Zhao, Yingwei Song, Kaihui Dong, Dayong Shan, En-Hou Han
41.	Precipitation kinetics in an Al-Zn-Mg alloy during stress-aging	Journal of Alloys and Compounds	862 (2021) 158680	D. Zhang, H.C. Jiang, Z.J. Cui, D.S. Yan, Y.Y. Song, L.J. Rong
42.	In-situ monitoring of pitting corrosion of AZ31 magnesium alloy by combining electrochemical noise and acoustic emission techniques	Journal of Alloys and Compounds	878 (2021) 160334	Zhen Zhang, Zhanyong Zhao, Peikang Bai, Xiaofeng Li, Bin Liu, Jibo Tan, Xinqiang Wu

序号	论文名称	期刊名称	卷、期、页	作者
43.	The formation of the complex oxide in Ni-based alloy powder during mechanical milling and heat treatment	Journal of Alloys and Compounds	879 (2021) 160333	Mao Z, Xiong L Y, Liu S
44.	Transformation behavior of primary MC and M <sub>2</sub> C carbides in Cr4Mo4V steel	Journal of Alloys and Compounds	889 (2021) 161755	W.F. Liu, Y.F. Guo, Y.F. Cao, J.Q. Wang, Z.Y. Hou, M.Y. Sun, B. Xu, D.Z. Li.
45.	Strength, strain capacity and toughness of five dual-phase pipeline steels	Journal of Iron and Steel Research International	28 (6) (2021) 752-761	Yi Ren, Xian-bo Shi, Zhen-guo Yang, Yi-yin Shan, Wei Ye, Gui-xi Cai, Ke Yang
46.	Comparison of the corrosion behavior of AM60 Mg alloy with and without self-healing coating in atmospheric environment	Journal of Magnesium and Alloys	9 (2021) 1220-1232	Yingwei Song, Dan Liu, Weineng Tang, Kaihui Dong, Dayong Shan, En-Hou Han
47.	Effect of rolling ratios on the microstructural evolution and corrosion performance of an as-rolled Mg-8wt.%Li alloy	Journal of Magnesium and Alloys	9 (2021) 560-568	B.J. Wang, D.K. Xu, X. Cai, Y.X. Qiao, L.Y. Sheng
48.	Computational insights into the corrosion-resistant alloying elements on Fe (110) surface	Journal of Materials Science	56 (2021) 19687-19696	Yin XR, Wang HT, Han EH
49.	Destruction of few fluorides to passive film of Ti-6Al-4V alloy under oxygen deficiency crevice conditions	Journal of Materials Science	56 (2021) 3510-3524	Pingping Zhao, Yingwei Song, Linjun Shi, Kaihui Dong, Dayong Shan, and En-Hou Han

序号	论文名称	期刊名称	卷、期、页	作者
50.	Effect of aging temperature on the heterogeneous microstructure and mechanical properties of a 12Cr-10Ni-Mo-Ti maraging steel for cryogenic applications	Journal of Materials Science	56 (2021) 11469-11484	H.L. Zhang, M.Y. Sun, D. P. Ma, B. Xu, T.J. Wang, D.Z. Li, Y.Y. Li
51.	A phase-field study of the solidification process coupled with deformation	Journal of Materials Science	56 (2021) 12455-12474	J.K. Ren, Y. Chen, Y.F. Cao, B. Xu, M.Y. Sun, D.Z. Li
52.	High-temperature aging time-induced composition and thickness evolution in the native oxides film on Sn solder substrate	Journal of Materials Science: Materials in Electronics	32 (2021) 24209-24228	Chuang Qiao, Xu Sun, Youzhi Wang, Long Hao, Xiahe Liu, and Xizhong An
53.	Under-Deposit Corrosion of Carbon Steel Beneath Full Coverage of CaCO <sub>3</sub> Deposit Layer under Different Atmospheres	Journal of Materials Engineering and Performance	30 (2021) 7552-7563	Pang L, Wang Z B, Emori W, Zheng Y G
54.	Galvanic corrosion study between low alloy steel A508 and 309/308 L stainless steel dissimilar metals: A case study of the effects of oxide film and exposure time	Journal of Nuclear Materials	548 (2021) 152853	Bright O. Okonkwo, Hongliang Ming, Jianqiu Wang, En-Hou Han
55.	Differences of corrosion fatigue behaviors among 316LN base metal, 316LN heat-affected zone and 308L weld metal in a safe-end weld joint in borated and lithiated high-temperature water	International Journal of Fatigue	148 (2021) 106223	Jun Gao, Ziyu Zhang, Jibo Tan, Xinqiang Wu, Xiang Wang, En-Hou Han, Wei Ke
56.	Environmental fatigue correction factor model for domestic nuclear-grade low-alloy steel	Nuclear Engineering and Technology	53 (2021) 2600-2609	Jun Gao, Chang Liu, Jibo Tan, Ziyu Zhang, Xinqiang Wu, En-Hou Han, Rui Shen, Bingxi Wang, Wei Ke



序号	论文名称	期刊名称	卷、期、页	作者
57.	Corrosion fatigue crack growth behavior of 316LN stainless steel in high-temperature pressurized water	Nuclear Engineering and Technology	53 (9) (2021) 2977-2981	Ziyu Zhang, Jibo Tan, Xinqiang Wu, En-Hou Han, Wei Ke
58.	Application of a one dimensional Co-MOP wires on supercapacitors	Inorganica Chimica Acta	521 (2021) 120337	Ping-Ping Sun, Yi-Ming Li, Yu-Hang Zhang, Hongwei Shi, Fa-Nian Shi
59.	Insights into the gradient-characteristic precipitation behaviors of laves phase induced by Fe/W/Mo addition in Ti42Al5Mn alloy	Intermetallics	128 (2021) 107022	Hongjian Tang, Weiwei Xing, Xiaobing Li, Bo Chen, Pengxiang Zhao, Lei Shu, Mengshu Zhang, Yingche Ma,
60.	Microstructural stability, phase evolution and mechanical properties of a forged W-modified high-Mn $\beta$ - $\gamma$ -TiAl alloy	Intermetallics	136 (2021) 107230	Xiaobing Li, Hongjian Tang, Weiwei Xing, Pengxiang Zhao, Bo Chen, Yingche Ma, Kui Liu
61.	Tensile behaviour of poly(ether-ether-ketone) (PEEK)/Ni foam co-continuous phase composites	Journal of Materials Research and Technology	10 (2021) 110-120	Yang X G, Duan D L, Zhang X, Jiang S L, Li S, Zhang H C
62.	Transfer from $M_3B_2$ boride to BN nitride in 9Cr3W3CoB martensitic heat-resistant steel	Journal of Materials Research and Technology	13 (2021) 513-523	Ye Liang, Wei Yan, Xianbo Shi, Yanfen Li, Quanqiang Shi, Wei Wang, Yiyin Shan, Ke Yang
63.	Study on W-rich $M_3B_2$ in a 9Cr3W3Co heat-resistant steel	Journal of Materials Research and Technology	10 (2021) 594-604	Ye Liang, Wei Yan, Xianbo Shi, Yanfen Li, Quanqiang Shi, Wei Wang, Yiyin Shan, Ke Yang

序号	论文名称	期刊名称	卷、期、页	作者
64.	A phase-field simulation of the solidification process under compression	Journal of Materials Research and Technology	13 (2021) 2210-2219	J.K. Ren, Y. Chen, Y.F. Cao, B. Xu, M.Y. Sun, D.Z. Li
65.	Effects of solution annealing on the precipitation of dendrite-like carbides during continuous cooling in Alloy 690	Journal of Materials Research and Technology	15 (2021) 3296-3309	Zhao Xia, Wang Min, Hao Xian Chao, Liu Hong Yi, Zha X D, Gao M, Ma Y C, Liu K
66.	Synthesis, structure and lithium storage performance of a copper-molybdenum complex polymer based on 4,4'-bipyridine	Journal of Solid State Chemistry	298 (2021) 122105	Jin-Da Bai, Yu-Hang Zhang, Hongwei Shi, Qi Shi, Fa-Nian Shi
67.	Intergranular precipitation behavior and its influence on the stress relaxation cracking susceptibility of Super304H austenitic stainless steel weld metal during long-term aging	Materials Characterization	178 (2021) 111309	X.P. Xiao, D.Z. Li, Y.Y. Li, S.P.Lu
68.	Effects of the Primary NbC Elimination on the SSCC Resistance of a HSLA Steel for Oil Country Tubular Goods	Materials	14 (2021) 5301:1-15	Tianyi Zeng, Shuzhan Zhang, Xianbo Shi, Wei Wang, Wei Yan, Yan Tian, Mingchun Zhao, Ke Yang
69.	Influence of interface-related parameters on some heat stable salts in the corrosion studies of carbon steel for post-combustion CO <sub>2</sub> capture	Materialwissenschaft und Werkstofftechnik	52 (11) (2021) 1185-1200	Emori W, Jiang S L, Zheng Y G, Okonkwo P C, Obike A I, Okafor PC
70.	Performance of 14Cr ODS-FeCrAl cladding tube for accident tolerant fuel	Materials Science Forum	1016 (2021) 806-812	Li J, Wu S J, Wang Y L, Xiong L Y, Liu S

序号	论文名称	期刊名称	卷、期、页	作者
71.	Effect of explosive compaction on microstructure of ODS FeCrAl alloy fabricated by oxidation method	Materials Research Express	8 (2021) 46504	Yan F Z, Li J, Xiong L Y, Liu S
72.	A perspective on effect by Ag addition to corrosion evolution of Pb-free Sn solder	Materials Letters	297 (2021) 129935	Chuang Qiao, Xu Sun, Youzhi Wang, Long Hao, Xizhong An
73.	Performance enhancement and catalytic mechanism identification of Cu-based composite for degradation of organic contaminants	Powder Technology	389 (2021) 11-20	Zhao BW, Li HL, Qin XD, Li ZK, Zhang SM, Wang AM, Zhang HF, Zhu ZW
74.	Double-layer peelable coating with eminent mechanical properties and anti-permeability	Progress in Organic Coatings	160 (2021) 106517	Ningjie Gao, Jiwen Li, Wanyu Zhang, Lin Ma, Izuchukwu Kenneth Nwokolo, Fuchun Liu, En-Hou Han
75.	Mesoporous CeO <sub>2</sub> containers in water-borne epoxy coatings for dual active corrosion protection of mild steel	Progress in Organic Coatings	158 (2021) 106376	Songhua Gu, Hongwei Shi, Chunjie Zhang, Wei Wang, Fuchun Liu, En-Hou Han
76.	Self-healing epoxy coating based on tung oil-containing microcapsules for corrosion protection	Progress in Organic Coatings	156 (2021) 106236	Jiayang Li, Hongwei Shi, Fuchun Liu, En-Hou Han
77.	Effects of surface modification of Nano-SiO <sub>2</sub> imbedded in organic matrix on interfacial accumulation of water molecules: an atomistic simulation study	Surfaces and Interfaces	23 (2021) 100942	Mohammad Soleymanibrojeni, Hongwei Shi, Fuchun Liu, En-Hou Han

序号	论文名称	期刊名称	卷、期、页	作者
78.	Influence of aging treatment on the microstructure evolution and mechanical properties of 316H weld metals with different C contents	ISIJ International	61 (2021) 911-918	S.T. Wei, L.L. Zhao, D. Wu, D.B. Gao, S.P. Lu
79.	Microstructural characterization of low alloy steel A508-309/308L stainless steel dissimilar weld metals	International Journal of Pressure Vessels and Piping	190 (2021) 104297	Bright O. Okonkwo, Hongliang Ming, Jianqiu Wang, Fanjiang Meng, Xuelian Xu, En-Hou Han
80.	Research Progress on Preparation Technology of Oxide Dispersion Strengthened steel for Nuclear Energy	International Journal of Extreme Manufacturing	3 (2021) 5-18	J.Q. Wang, S. Liu, B. Xu, J.Y. Zhang, M.Y. Sun, D.Z. Li
81.	Understanding the roles of deformation-induced martensite of 304 stainless steel in different stages of cavitation erosion	Tribology International	155 (2021) 1-9	Zhang L M, Li Z X, Hu J X, Ma A L, Zhang S, Daniel E F, Umoh A J, Hu H X, Zheng Y G
82.	Effect of the frequency on fretting corrosion behavior between Alloy 690TT tube and 405 stainless steel plate in high temperature pressurized water	Tribology International	164 (2021) 107229	Yusheng Zhang, Hongliang Ming, Lichen Tang, Jianqiu Wang, Hao Qian, En-Hou Han
83.	Failure analysis of the blackwater regulating valve in the coal chemical industry	Engineering Failure Analysis	125 (2021)	Zheng K X, Hu H X., Chen F G, Zheng Y G
84.	Effects of corrosive media on the localized corrosion forms of Mg-3Zn alloy	Corrosion Communications	2 (2021) 24-32	Hongxin Wang, Yingwei Song, Dayong Shan, En-Hou Han

序号	论文名称	期刊名称	卷、期、页	作者
85.	Evading strength-corrosion tradeoff in Mg alloys via dense ultrafine twins	Nature Communications	12 (2021) 4616	Changjian Yan, Yunchang Xin, Xiao-Bo Chen, Daokui Xu, Paul K. Chu, Chaoqiang Liu, Bo Guan, Xiaoxu Huang, Qing Liu
86.	Critical flow velocity phenomenon in erosion-corrosion of pipelines: determination methods, mechanisms and applications	Journal of Pipeline Science and Engineering	1 (2021) 63-73	Wang Z B, Zheng Y G
87.	316LN 不锈钢管状试样高温高压水的腐蚀疲劳行为	金属学报	57 (3) (2021) 309-316	谭季波, 王翔, 吴欣强, 韩恩厚
88.	超细晶铁素体-马氏体钢的高温氧化成膜特性及其对 Pb-Bi 腐蚀行为的影响	金属学报	57 (8) (2021) 899-999	陈胜虎, 戎利建
89.	运行条件对不锈钢点焊疲劳性能影响及开裂分析	中国机械工程	32 (14) (2021) 1726-1731	姜云禄, 杨亮, 韩晓辉, 徐野, 陈怀宁, 蔡桂喜
90.	铁/镍基奥氏体多晶合金晶界弯曲研究进展	工程科学学报	43 (2021) 1323-1338	赵霞, 王旻, 郝宪朝, 查向东, 高明, 马颖澈, 刘奎
91.	电极形状对异种不等厚铝合金电阻点焊接头形貌的影响	中国有色金属学报	31 (02) (2021) 333-341	毛镇东, 阚盈, 韩晓辉, 陈怀宁, 李帅贞

序号	论文名称	期刊名称	卷、期、页	作者
92.	镁合金表面陶化膜的制备及耐蚀性研究	表面技术	50 (8) (2021) 318-326	杨天园, 宋影伟, 董凯辉, 陈荣石, 韩恩厚
93.	钛合金耐磨微弧氧化制备技术的研究进展	表面技术	50 (7) (2021) 57-65	董凯辉, 宋影伟, 韩恩厚
94.	表面划伤对 690TT 合金传热管组织及腐蚀行为的影响	材料研究学报	35 (11) (2021) 827-834	孟凡江, 吴斌, 明洪亮, 鲍一晨, 王俭秋, 韩恩厚
95.	深孔法测量三维残余应力场精度的影响因素研究	中国测试	47 (6) (2021) 20-26	赵美娟, 陈静, 陈怀宁
96.	含 Cu 的 HSLA 钢中富 Cu 团簇的粗化行为及其对力学性能的影响	材料热处理学报	42 (9) (2021) 136-143	杜瑜宾, 胡小锋, 宋元元, 姜海昌, 戎利建
97.	粉末热锻制备 9Cr-ODS 钢的微观组织和力学性能研究	钢铁研究学报	33 (11) (2021) 1171-1178	张家榕, 李艳芬, 芮祥, 严伟, 单以银, 杨柯
98.	核电站接管安全端异种金属焊接接头残余应力预测的研究现状	机械工程材料	45 (10) (2021) 1-12	郭舒, 王海涛, 韩恩厚