2025 年部分发表论文（SCI/EI 收录）

序号	论文题名	所有作者	期刊	发表日期	卷	期	页码
1	Corrosion mechanism of Al2O3-C stopper rod by calcium treated molten steel	Xing, LD(Xing, Lidong)[1];Liu, JJ(Liu, Jingjing)[1];Bao, YP(Bao, Yanping)[1];Wang, M(Wang, Min)[1]	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2025-01-2	34		924-931
2	Impact of conformational structures on low-temperature oxidation chemistry for cyclohexyl radicals: a theoretical and kinetic modeling study on first oxygen addition	Bian, HT(Bian, Hui-Ting)[1];Wang, Y(Wang, Yang)[2];Feng, SH(Feng, Shi-Hao)[2];Zhao, L(Zhao, Long)[3];Lu, WC(Lu, Wen-Chao)[4];Jiang, HL(Jiang, Hui-Ling)[1];Li, KY(Li, Kai-Yuan)[5]	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2025-08	27	31	
3	Data Driven Self-Learning Model for Supplementing Abnormal Molten Iron Information and Predicting Converter Endpoint Carbon Content and Temperature	Xin, TZ(Xin, Tongze)[1];Wang, M(Wang, Min)[1,2]	JOM	2025-09	77	9	7055-7068
4	The Research on Wetting Behavior between Blast-Furnace-Type Slag and Carbon Materials	Jiang, CH(Jiang, Chunhe)[1];Liu, B(Liu, Bo)[2];Liang, W(Liang, Wang)[3];Li, JQ(Li, Jiaqi)[2];Xue, C(Xue, Cheng)[4];Zhang, JL(Zhang, Jianliang)[4,5];Yang, JH(Yang, Jianhong)[1];Li, KJ(Li, Kejiang)[4]	STEEL RESEARCH INTERNATIONAL	2025-09	96	9	348-357

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5	Ultralight corundum-mullite-zirconia composite ceramic foams prepared by triphasic nanoparticle stabilized foams with improved thermal shock resistance	Liu, JJ(Liu, Jingjing)[1];Ren, B(Ren, Bo)[2];Yu, XT(Yu, Xiangtao)[3];Kang, SJ(Kang, Shaojun)[2];Shi, JJ(Shi, Jianjun)[3];Zhou, K(Zhou, Kai)[4]	CERAMICS INTERNATIONAL	2025-03	51	8	10543-10550
6	Hierarchically maze-like porous calcium hexaluminate ceramic foams with robust LaAlO3 coating for high-efficiency thermal protection	Ren, B(Ren, Bo)[1,2,3];Kang, SJ(Kang, Shaojun)[1];Hu, DX(Hu, Dongxiao)[1];Liu, JJ(Liu, Jingjing)[4];Liu, J(Liu, Jie)[1];Li, B(Li, Bin)[1];Chen, JH(Chen, Junhong)[1]	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	2025-09	108	9	
7	An adaptive high dynamic range imaging fusion method to overcome high luminance gradient in full-field deformation measurement using laser speckle digital image correlation	Liu, FJ(Liu, Fujia)[1,2];Li, ZK(Li, Zhekai)[2];Yang, JH(Yang, Jianhong)[1,2,3];Guo, J(Guo, Jin)[4];Wang, ML(Wang, Meiling)[5];Wang, HS(Wang, Hongsen)[2]	OPTICS AND LASERS IN ENGINEERING	2025-01	184		
8	Green steel at atomistic scale: Ab initio simulation of surface reduction mechanism of Wüstite (FeO) by hydrogen	Jiang, CH(Jiang, Chunhe)[1,2];Li, KJ(Li, Kejiang)[1];Zhang, JL(Zhang, Jianliang)[1,3];Ma, Y(Ma, Yan)[4,5]	APPLIED SURFACE SCIENCE	2025-07	698		
9	Microstructure evolution and properties of liquid Fe-P with different phosphorus content: molecular dynamic investigation	Jiang, CH(Jiang, Chunhe)[1];Liu, B(Liu, Bo)[2];Liang, W(Liang, Wang)[3];Zhang, JL(Zhang, Jianliang)[2,4];Li, KJ(Li, Kejiang)[2]	JOURNAL OF MOLECULAR MODELING	2025-05	31	5	

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10	Ab initio meta-dynamic investigation of surface reduction mechanism of Wüstite (FeO) by CO	Jiang, CH(Jiang, Chunhe)[1];Li, KJ(Li, Kejiang)[2];Zhang, JL(Zhang, Jianliang)[2,3]	CHEMICAL ENGINEERING SCIENCE	2025-10	316		
11	Effects of Dust Addition on the Reactivity and High-Temperature Compressive Strength of Ferro-Coke	Wang, RR(Wang, Rongrong)[1,2];Li, SQ(Li, Siqi)[1];Yang, YS(Yang, Yongsheng)[3];Xu, RS(Xu, Runsheng)[3];Zhang, JL(Zhang, Jianliang)[3];Zeng, Y(Zeng, Yu)[3,4];Zhang, YC(Zhang, Yuchen)[3];Wu, B(Wu, Bin)[3]	MATERIALS	2025-12	18	24	
12	Effect of Biochar Addition on the Strength Properties of Metallurgical Dust Briquettes	Yang, YS(Yang, Yongsheng)[1];Xu, RS(Xu, Runsheng)[1,2];Zhang, JL(Zhang, Jianliang)[1,2];Wang, W(Wang, Wei)[1];Wang, RR(Wang, Rongrong)[2,3];Shi, JP(Shi, Jinpeng)[1];Dong, YP(Dong, Yingpeng)[1];Huang, YC(Huang, Yuancheng)[4];Ye, YF(Ye, Yanfei)[4]	JOURNAL OF SUSTAINABLE METALLURGY	2025-03	11	1	529-541
13	The effect of H2O on the pyrolysis behavior of cellulose: A reactive molecular dynamic investigation	Jiang, CH(Jiang, Chunhe)[1];Xue, C(Xue, Cheng)[2];Liang, W(Liang, Wang)[3];Li, KJ(Li, Kejiang)[2];Liu, B(Liu, Bo)[4];Li, JQ(Li, Jiaqi)[4];Liang, Z(Liang, Zeng)[2];Zhang, JL(Zhang, Jianliang)[2,5]	RENEWABLE ENERGY	2025-01	238		

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14	Hydrogen Permeation Behavior of X80 Steel under Constant and Slow Strain Rate Tension Stress	Xing, YY(Xing, Yunying)[1];Yang, ZL(Yang, Zhile)[2];Zhao, Q(Zhao, Qian)[2];Zhang, L(Zhang, Lei)[2]	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	2025-09	34	17	19154-19165
15	Atomistic-Level Insights into MgO and Na2O Modifications of Molten Aluminosilicate Slag: A Molecular Dynamics Research on Structural Evolution and Properties	Jiang, CH(Jiang, Chunhe)[1];Liu, B(Liu, Bo)[2];Zhang, JL(Zhang, Jianliang)[3];Li, KJ(Li, Kejiang)[3]	METALS	2025-06	15	6	
16	Analysis of the Causes and Control of High Hardenability of Gear Steel 18CrNiMo7-6HL	Yang, ZY(Yang, Zeyu)[1];Wang, M(Wang, Min)[1,2];Zhang, MM(Zhang, Mingmin)[3];Shao, CW(Shao, Changwei)[3];Wang, H(Wang, Huan)[1]	JOM	2025-01	77	1	271-281
17	Prediction of Ladle Furnace Refining Endpoint Temperature Based on Particle Swarm Optimization Algorithm and Long Short-Term Memory Neural Network	Wang, H(Wang, Huan)[1];Wang, M(Wang, Min)[1,2];Liu, Q(Liu, Qing)[1];Yang, ZY(Yang, Zeyu)[1];Xing, LD(Xing, Lidong)[1,2]	JOM	2025-01	77	1	282-293
18	Hybrid reduction of iron ores by biomass and H2: Reduction thermodynamics and kinetics	Wang, RR(Wang, Rongrong)[1,2,3];Babich, A(Babich, Alexander)[2];Senk, D(Senk, Dieter)[2];Wang, M(Wang, Min)[1,3]	POWDER TECHNOLOGY	2025-05	457		