

《中国有色金属学报（英文版）》创刊30周年征稿优秀论文

序号	作者	文题	单位
1	Biao Zeng, Chao Xiong, Wei Wang, Guo Lin*, Song Cheng*, Jun Chang	Adsorption behavior and mechanism of Hg(II) on highly stable Zn-based metal organic frameworks	Wuhan University of Science and Technology
2	Bin Jiang*, Zhihua Dong*, Ang Zhang, Jiangfeng Song, Fusheng Pan	Recent advances in micro-alloyed wrought magnesium alloys: theory and design	Chongqing University
3	Dong-lan ZHANG, Jiong WANG*, Yi KONG, You ZOU, Yong DU	First-principles investigation on the stability and electronic structure of Sc doped θ' /Al interface in Al-Cu alloys	Central South University
4	Er-tuan ZHAO, Shi-chen SUN, Jin-rui YU, Yukun AN, Wen-zhen CHEN, Rui-run CHEN*	Dynamic recrystallization and silicide precipitation behavior of titanium matrix composites under different strain	Shandong University of Technology
5	Fu-bin WANG, Yu-ke LIU, Yun-xiang TONG*, Chong ZHANG, Feng-chun JIANG, Jian-dong WANG	Effect of electropulsing on anisotropy in strength of laser metal deposited Ti-6Al-4V alloy	Harbin Engineering University
6	Gan LI, Wen-ying QU, Min LUO, Le CHENG, Chuan GUO, Xing-gang LI, Zhen XU, Xiaogang HU, Da-quan LI, Hong-xing LU*, Qiang ZHU*	Semi-solid processing of aluminum and magnesium alloys: Status, opportunity, and challenge in China	Southern University of Science and Technology
7	Guang Han, Shuming Wen, Han Wang, Qicheng Feng*	Enhanced sulfidization flotation of cuprite by surface modification with hydrogen peroxide	Kunming University of Science and Technology
8	Guo-zheng QUAN*, Xue SHENG, Kun YANG, Yan-ze YU, Wei XIONG	Formation mechanism of basin-like depression defect in electric upsetting process of Ni80A superalloy	Chongqing University
9	He XIE, Guo-hua WU*, Xiao-long ZHANG*, Zhong-quan LI, Wen-cai LIU, Liang ZHANG ¹ , Bao-de SUN	Microstructure and mechanical performances of cast Mg-3Nd-0.2Zn-0.5Zr alloy with Y additions	Shanghai Jiao Tong University
10	Heng-bin LIAO, Li-ling MO, Cheng-bo LI, Mei-yan ZHAN, Jun DU*	On the grain refinement of Mg-Al binary alloys inoculated by in-situ oxidation	South China University of Technology

11	Hong-Yi Li*, Xin-Mian Chen, Danqing Li, Yun Guo, Jiang Diao, Bing Xie	Quick valence analysis method of vanadium toward accurate toxicity assessment of vanadium-containing hazardous wastes	Chongqing University
12	HUANG Run-zhang, XU Guo-fu, WU Qiong, YUAN Meng, WU Chun-ping*	Influence of operation numbers on arc erosion behavior of Ag/Ni electrical contact materials	Central South University
13	Hua-Qiu DU, Feng LI*, Ye WANG, Yu WANG	Micro-structure evolution and plasticizing mechanism of magnesium alloy interactive alternating forward extrusion	Harbin University of Science and Technology
14	Huibin Zhang*, Hang Yu, Junliang Ma, Longfei Wang, Shenghang Xu, Yuehui He, Guoqu Zheng	Improving the oxidation resistance of porous FeAl-based intermetallics with high boron/yttrium alloying strategy	Zhejiang University of Technology
15	Jianwei XU*, Weidong ZENG*, Dadi ZHOU, Shengtong HE, Runchen JIA	Evolution of coordination between α phase and β phase for two-phase titanium alloy during hot working	Northwestern Polytechnical University
16	Jun-ke ZHANG, Yong-jun SHAO, Ke CHEN, Hua-jie TAN, Rui-chang TAN, Tian-dong ZHANG, Zhong-fa LIU*	Evidence of Fluid Evolution of the Baoshan Cu-Pb-Zn Polymetallic Deposit: Constraints from In-situ Sulfur Isotope and Trace Element Compositions of Pyrite	Central South University
17	Kaimeng WANG, Hongyang JING, Lianyong XU*, Lei ZHAO, Yongdian HAN, Haizhou LI, Kai SONG	Microstructure evolution of a 55Ni-23Cr-13Co nickel-based superalloy during high-temperature cyclic deformation	Tianjin University
18	Liangliang Yuan, Mingxing Guo*, Yong Yan, Weijun Feng, Zanyang Liu, Linzhong Zhuang*	Theoretical design and distribution control of precipitates and solute elements in Al-Zn-Mg-Cu alloys with a heterostructure	University of Science and Technology Beijing
19	Lin Cao, Peng Zhang, Shuangjian Li, Qiwei Wang, Dahai Zeng, Chuanyong Yu, Qingyang Li, Yuwen Liao, Zhidan Lin*, Wei Li*	Effect of TaN nanoparticles on the microstructure, mechanical properties and tribological performance of PEEK coating deposited on titanium by electrophoretic deposition	Jinan University
20	Peng Li*, Meifeng Cai	Challenges and new insights for the exploitation of deep underground metal mineral resources	University of Science and Technology Beijing

21	Peng-fei ZHAO, Guang-shi LI*, Wen-li LI, Peng CHENG, Zhong-ya PANG, Xiao-lu XIONG, Xing-li ZOU, Qian XU, Xiong-gang LU	Progress in Ti3O5: Synthesis, properties and applications	Shanghai University
22	Qian-kun LI, Hong YAN, Rong-shi CHEN*	Effect of rolling reduction on deformation mechanism and twinning behavior of WE43 magnesium alloy	Institute of Metal Research, Chinese Academy of Sciences
23	Ran Duan, Yejun Li*, Shu Wang, Yonggang Tong, Horst-Günter Rubahn, Gufei Zhang, Weihong Qi*	Effects of Phosphate Precursors on the Morphology and Oxygen Evolution Reaction Activity of Nickel-Iron (Oxy)Hydroxide on Nickel Foams	Central South University
24	Run-peng LIAO, Pan-jin HU, Shu-ming WEN, Yong-xing ZHENG*, Xian-hui QIU*, Jin-fang LV, Jian LIU	Interaction mechanism of ferrate (VI) with arsenopyrite surface and its effect on flotation separation of chalcopyrite from arsenopyrite under low alkaline conditions	Kunming University of Science and Technology
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26	Shu-ci Ma, Xiao-dong Shi, Zhe-xuan Liu, Yi-fan Zhou, Pin-ji Wang, Jiang Zhou*, Shu-quan Liang*	PVDF-HFP Binder for Advanced Aqueous Zinc/Manganese Batteries	Central South University
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28	Shulin Lü, Dijia Zhao, Xiaoyuan Ji*, Wei Guo*	Effects of ultrasonic vibration on microstructure and mechanical properties of Mg98Y1.0Ni0.5Al0.5 alloy containing LPSO structure	Huazhong University of Science and Technology
29	Tao-tao ZENG*, Xiao-ling ZHANG, Hai-du NONG, Qing HU, Liang-qin WANG, Ai-jie WANG*	Cd(II) removal efficiency and mechanism by living and autoclaved bacteria enriched from heavy metals mine soil	University of South China
30	Tian-yang YUE, Sheng ZHANG*, Chao-yue WANG, Wei XU, Yi-di XU, YuSheng SHI, Yong ZANG	Effects of selective laser melting parameters on the surface quality and densification behaviours of pure nickel	University of Science and Technology Beijing

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40	Xue-zhao WANG, You-qiang WANG*, Chen-bing NI*, Yu-xin FANG, Xiao YU, Ping ZHANG	Effect of Gd content on microstructure and dynamic mechanical properties of solution-treated Mg-(x)Gd-3Y-0.5Zr alloy	Qingdao University of Technology
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44	Yu-lin CHENG, Tian FENG, Jia-hui LV, Pan-feng HU, Ying-liang CHENG*	Plasma electrolytic oxidation of brass in aluminate electrolyte containing NaH ₂ PO ₄ or Na ₂ SiO ₃	Hunan University
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