



# Honorary Certificate

*30th Anniversary of Transactions of Nonferrous Metals Society of China*  
**TOP 100 High Impact Paper Award** (From 2011 to 2020)

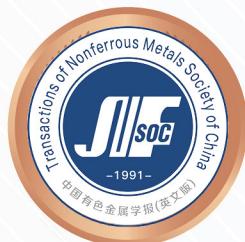
Zeng Feng-li; Wei Zhong-ling; Li Jin-feng \* ; Li Chao-xing; Tan Xing; Zhang Zhao; Zheng Zi-qiao.

Corrosion mechanism associated with Mg<sub>2</sub>Si and Si particles in Al-Mg-Si alloys

Transactions of Nonferrous Metals Society of China, 2011, 21(12): 2559-2567

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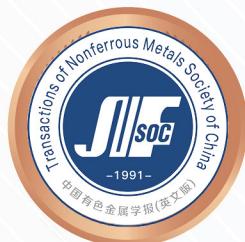
*30th Anniversary of Transactions of Nonferrous Metals Society of China  
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Li Xin-sheng; Xie Bing \* ; Wang Guang-en; Li Xiao-jun.

Oxidation process of low-grade vanadium slag in presence of Na<sub>2</sub>CO<sub>3</sub>,  
Transactions of Nonferrous Metals Society of China, 2011, 21(8):: 1860-1867

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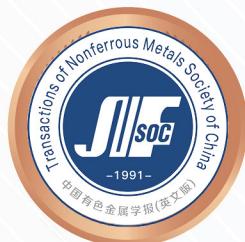
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Zhu Yang-ge; Zhang Guo-fan \* ; Feng Qi-ming; Yan Dai-cui; Wang Wei-qing.  
Effect of surface dissolution on flotation separation of fine ilmenite from titanomagnetite  
Transactions of Nonferrous Metals Society of China, 2011, 21(5): 1149-1154

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Luo Su-qin; Tang Ai-tao; Pan Fu-sheng \* ; Song Kai; Wang Wei-qing.  
Effect of mole ratio of Y to Zn on phase constituent of Mg-Zn-Zr-Y alloys  
Transactions of Nonferrous Metals Society of China, 2011, 21(4): 795-800

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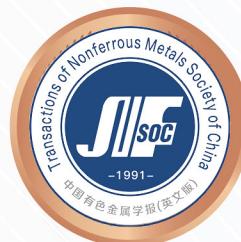
Lu Yi-ping; Zhang Ming-qiang \* ; Feng Qi-ming; Long Tao; Ou Le-ming; Zhang Guo-fan.

Effect of sodium hexametaphosphate on separation of serpentine from pyrite

Transactions of Nonferrous Metals Society of China, 2011, 21(1): 208-213

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Balasubramanian. T. S.; Balakrishnan, M.; Balasubramanian, V. \* ; Manickam, M. A. Muthu.

Influence of welding processes on microstructure,  
tensile and impact properties of Ti-6Al-4V alloy joints

Transactions of Nonferrous Metals Society of China, 2011, 21(6): 1253-1262

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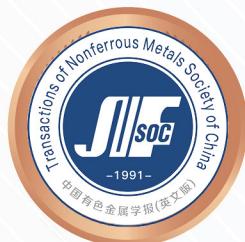
Morita, Kazuki \* ; Yoshikawa. Takeshi.

Thermodynamic evaluation of new metallurgical refining processes for SOG-silicon production

Transactions of Nonferrous Metals Society of China, 2011, 21(3): 685-690

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Sun Xian-jun; Tao Jie \* ; Guo Xun-zhong.

Bonding properties of interface in Fe/Al clad tube prepared by explosive welding  
Transactions of Nonferrous Metals Society of China, 2011, 21(10): 2175-2180

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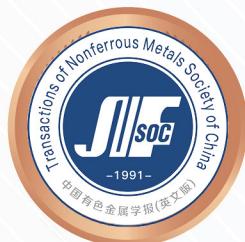
Sen Wei; Xu Bao-qiang; Yang Bin \* ; Sun Hong-yan; Song Jian-xun; Wan He-li; Dai Yong-nian.

Preparation of TiC powders by carbothermal reduction method in vacuum

Transactions of Nonferrous Metals Society of China, 2011, 21(1): 185-190

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Rose, A. Razal \* ; Manisekar, K.; Balasubramanian, V..

Effect of axial force on microstructure and tensile  
properties of friction stir welded AZ61A magnesium alloy

Transactions of Nonferrous Metals Society of China, 2011, 21(5): 974-984

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Zhang Chang; Yin Juan; Huang Hua-jun; Liu Zhi-feng; Jiang Hong-wei.

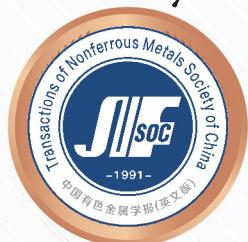
Ecological risk assessment of heavy metals in sediments

of Xiawan Port based on modified potential ecological risk index

Transactions of Nonferrous Metals Society of China, 2012, 22(6): 1470-1477

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Zhu Shu-guang; He Wen-zhi \* ; Li Guang-ming; Zhou Xu; Zhang Xiao-jun; Huang Ju-wen.

Recovery of Co and Li from spent lithium-ion batteries by  
combination method of acid leaching and chemical precipitation

Transactions of Nonferrous Metals Society of China, 2012, 22(9): 2274-2281

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Wu Cheng-you \* ; Yu Hong-fa; Zhang Hui-fang.

Extraction of aluminum by pressure acid-leaching method from coal fly ash  
Transactions of Nonferrous Metals Society of China, 2012, 22(9): 2282-2288

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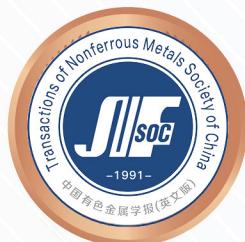
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Mazahery, Ali; Shabani, Mohsen Ostad \* .

Characterization of cast A356 alloy reinforced with nano SiC composites  
Transactions of Nonferrous Metals Society of China, 2012, 22(2): 275-280

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Feng Ning-chuan; Guo Xue-yi \* .

Characterization of adsorptive capacity and mechanisms on  
adsorption of copper, lead and zinc by modified orange peel

Transactions of Nonferrous Metals Society of China, 2012, 22(5): 1224-2231

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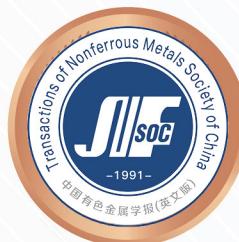
Wang Hui \* ; Luo Ying-bing; Friedman, Peter; Chen Ming-he; Gao Lin.

Warm forming behavior of high strength aluminum alloy AA7075

Transactions of Nonferrous Metals Society of China, 2012, 22(1): 1-7

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Bao, Sarina \* ; Tang Kai; Kvithyld, Anne; Engh. Thorvald; Tangstad, Merete.  
Wetting of pure aluminium on graphite, SiC and Al<sub>2</sub>O<sub>3</sub>, in aluminium filtration  
Transactions of Nonferrous Metals Society of China, 2012, 22(8): 1930-2938

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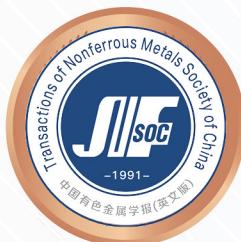
Liu Qing-ming \* ; Zhou De-bi; Yamamoto, Yuya; Ichino, Ryoichi; Okido, Masazumi.

Preparation of Cu nanoparticles with NaBH<sub>4</sub> by aqueous reduction method

Transactions of Nonferrous Metals Society of China, 2012, 22(1): 117-223

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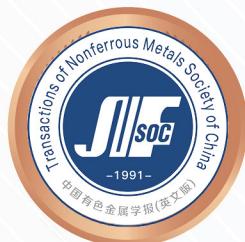
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Preparation of Cu nanoparticles with ascorbic acid by aqueous solution reduction method  
Transactions of Nonferrous Metals Society of China, 2012, 22(9): 2198-2203

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Li Xia-wei; Zhang Da-tong \* ; Qiu Cheng; Zhang Wen.

Microstructure and mechanical properties of dissimilar pure  
copper/1350 aluminum alloy butt joints by friction stir welding

Transactions of Nonferrous Metals Society of China, 2012, 22(6): 1298-2306

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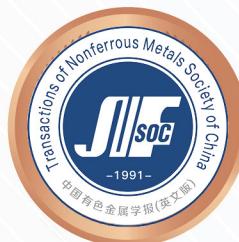
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Rajmohan, T. \* ; Palanikumar, K.; Ranganathan, S.  
Evaluation of mechanical and wear properties of hybrid aluminium matrix composites  
Transactions of Nonferrous Metals Society of China, 2013, 23(9):2509-2517

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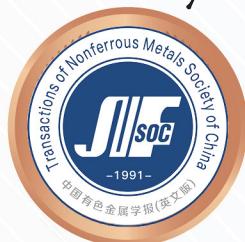
Devaraju, A.\* ; Kumar, A.; Kotiveerachari, B.

Influence of addition of Gr(p)/Al<sub>2</sub>O<sub>3</sub><sub>p</sub> with SiCp on wear properties of aluminum alloy 6061-T6 hybrid composites via friction stir processing

Transactions of Nonferrous Metals Society of China, 2013,23(5):1275-1280

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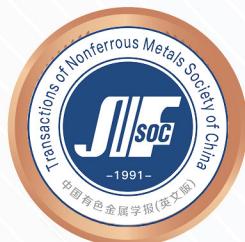
Dong, Long-jun \* ; Li, Xi-bing; Peng, Kang.

Prediction of rockburst classification using Random Forest

Transactions of Nonferrous Metals Society of China, 2013, 23(2):472-477

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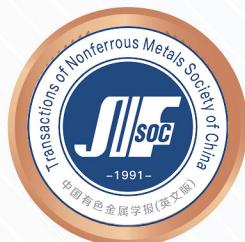
Zhen, Zhen; Xi, Ting-fei \* ; Zheng, Yu-feng.

A review on in vitro corrosion performance test of biodegradable metallic materials

Transactions of Nonferrous Metals Society of China, 2013, 23(8):2283-2293

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Yin, Fu-cheng \* ; Zhao, Man-xiu; Liu, Yong-xiong; Han, Wei; Li, Zhi.

Effect of Si on growth kinetics of intermetallic compounds  
during reaction between solid iron and molten aluminum

Transactions of Nonferrous Metals Society of China, 2013, 23(2):556-561

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Li, Hong-xia \* ; Song, Ren-guo; Ji, Zhen-guo.

Effects of nano-additive TiO<sub>2</sub> on performance of micro-arc  
oxidation coatings formed on 6063 aluminum alloy

Transactions of Nonferrous Metals Society of China, 2013, 23(2):406-411

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Min, Xiao-bo \* ; Xie, Xian-de; Chai, Li-yuan; Liang, Yan-jie; Li, Mi; Ke, Yong.  
Environmental availability and ecological risk assessment of heavy metals in zinc leaching residue  
Transactions of Nonferrous Metals Society of China, 2013, 23(1):208-218

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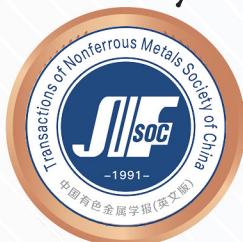
Li, Hui; Xiao, De-li; He, Hua \* ; Lin, Rui; Zuo, Peng-li.

Adsorption behavior and adsorption mechanism of Cu(II)  
ions on amino-functionalized magnetic nanoparticles

Transactions of Nonferrous Metals Society of China, 2013, 23(9):2657-2665

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Microstructural and abrasive wear properties of SiC reinforced  
aluminum-based composite produced by compocasting

Transactions of Nonferrous Metals Society of China, 2013, 23(7):1905-1914

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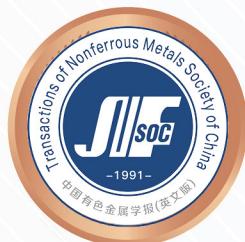
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Kinetics analysis of decomposition of vanadium slag by KOH sub-molten salt method  
Transactions of Nonferrous Metals Society of China, 2013, 23(5):1489-1500

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Hirsch, Juergen \* .

Recent development in aluminium for automotive applications

Transactions of Nonferrous Metals Society of China, 2014, 24(7): 1995-2002

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DATE  
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Rometsch, Paul A. \* ; Zhang, Yong; Knight, Steven.

Heat treatment of 7xxx series aluminium alloys-Some recent developments  
Transactions of Nonferrous Metals Society of China, 2014, 24(7): 2003-2017

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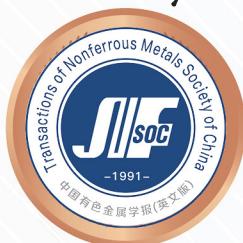
Suresh, P. \* ; Marimuthu, K.; Ranganathan, S.; Rajmohan, T.

Optimization of machining parameters in turning of Al-SiC-Gr  
hybrid metal matrix composites using grey-fuzzy algorithm

Transactions of Nonferrous Metals Society of China, 2014, 24(9): 2805-2814

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Chen, Rui; Shi, Yu-feng; Xu, Qing-yan \* ; Liu, Bai-cheng.

Effect of cooling rate on solidification parameters and microstructure of Al-7Si-0.3Mg-0.15Fe alloy  
Transactions of Nonferrous Metals Society of China, 2014, 24(6): 1645-1652

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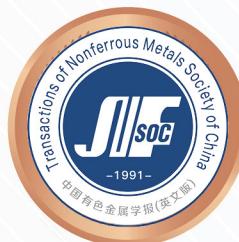
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Guo, Guang-li; Zhu, Xiao-jun; Zha, Jian-feng \* ; Wang, Qiang.

Subsidence prediction method based on equivalent mining height theory for solid backfilling mining  
Transactions of Nonferrous Metals Society of China, 2014, 24(10): 3302-3308

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Gao, Zhi-yong; Sun, Wei; Hu, Yue-hua \* .

Mineral cleavage nature and surface energy: Anisotropic surface broken bonds consideration

Transactions of Nonferrous Metals Society of China, 2014, 24(9): 2930-2937

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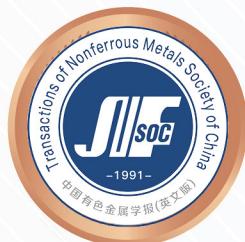
Zhao, Xing-dong \* ; Zhang, Hong-xun; Zhu, Wan-cheng.

Fracture evolution around pre-existing cylindrical cavities in brittle rocks under uniaxial compression

Transactions of Nonferrous Metals Society of China, 2014, 24(3): 806-815

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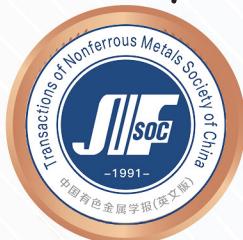
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Mary, J. Arul; Manikandan, A.; Kennedy, L. John; Bououdina, M.; Sundaram, R.; Vijaya, J\* . Judith.  
Structure and magnetic properties of Cu-Ni alloy nanoparticles  
prepared by rapid microwave combustion method

Transactions of Nonferrous Metals Society of China, 2014, 24(5): 1467-1473

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Corrosion and tribocorrosion behaviors of AISI 316  
stainless steel and Ti<sub>6</sub>Al<sub>4</sub>V alloys in artificial seawater

Transactions of Nonferrous Metals Society of China, 2014, 24(4): 1022-1031

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Effects of particle size and particle interactions on scheelite flotation

Transactions of Nonferrous Metals Society of China, 2014, 24(11): 3682-3687

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Li, Jing-fu; Zhang, Lei \* ; Xiao, Jin-kun; Zhou, Ke-chao.

Sliding wear behavior of copper-based composites  
reinforced with graphene nanosheets and graphite

Transactions of Nonferrous Metals Society of China, 2015, 25(10): 3354-3362

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*30th Anniversary of Transactions of Nonferrous Metals Society of China  
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Zhou, Ke-ping; Li, Bin; Li, Jie-lin \* ; Deng, Hong-wei; Bin, Feng.

Microscopic damage and dynamic mechanical properties of rock under freeze-thaw environment

Transactions of Nonferrous Metals Society of China, 2015, 25(4): 1254-1261

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Yang, Xi-jia; Wang, Shu; Sun, Hai-ming; Wang, Xiao-bing; Lian, Jian-she \* .

Preparation and photocatalytic performance of Cu-doped TiO<sub>2</sub> nanoparticles

Transactions of Nonferrous Metals Society of China, 2015, 25(2): 504-509

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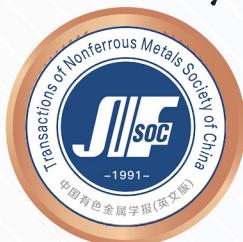
Fathy, A.\* ; El-Kady, Omyma; Mohammed, Moustafa M. M.

Effect of iron addition on microstructure, mechanical and magnetic properties  
of Al-matrix composite produced by powder metallurgy route

Transactions of Nonferrous Metals Society of China, 2015, 25(1): 46-53

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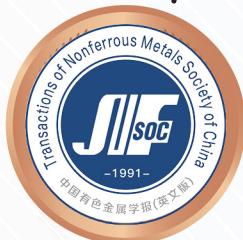
Liu, Yi-xuan; Cheng, Cong-qian; Shang, Jian-lu; Wang, Rui; Li, Peng; Zhao, Jie \* .

Oxidation behavior of high-entropy alloys Al<sub>x</sub>CoCrFeNi (x=0.15, 0.4)  
in supercritical water and comparison with HR<sub>3</sub>C steel

Transactions of Nonferrous Metals Society of China, 2015, 25(4): 1341-1351

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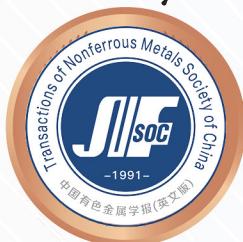
Erdemir, F.; Canakci, A.\* ; Varol, T.

Microstructural characterization and mechanical properties of functionally graded Al2024/SiC  
composites prepared by powder metallurgy techniques

Transactions of Nonferrous Metals Society of China, 2015, 25(11): 3569-3577

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*30th Anniversary of Transactions of Nonferrous Metals Society of China  
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Zhao, Long-sheng; Wang, Li-na \* ; Chen, De-sheng; Zhao, Hong-xin; Liu, Ya-hui; Qi, Tao.

Behaviors of vanadium and chromium in coal-based direct reduction of high-chromium  
vanadium-bearing titanomagnetite concentrates followed by magnetic separation

Transactions of Nonferrous Metals Society of China, 2015, 25(4): 1325-1333

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Liu, Shi-ming; Liu, He-hui; Huang, Yun-jing; Yang, Wei-jun \* .

Solvent extraction of rubidium and cesium from salt lake brine with t-BAMBP-kerosene solution

Transactions of Nonferrous Metals Society of China, 2015, 25(1): 329-334

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*30th Anniversary of Transactions of Nonferrous Metals Society of China  
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Umapathy, V.; Manikandan, A.; Antony, S. Arul; Ramu, P.; Neeraja, P \* .

Structure, morphology and opto-magnetic properties of  
 $\text{Bi}_2\text{MoO}_6$  nano-photocatalyst synthesized by sol-gel method

Transactions of Nonferrous Metals Society of China, 2015, 25(10): 3271-3278

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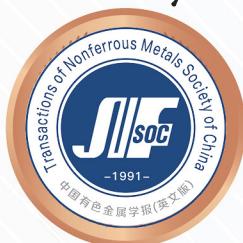
Wang, Shu-yan \* ; Si, Nai-chao; Xia, Yong-ping; Liu, Li.

Influence of nano-SiC on microstructure and property of  
MAO coating formed on AZ91D magnesium alloy

Transactions of Nonferrous Metals Society of China, 2015, 25(6): 1926-1934

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Rao, A. C \* . Umamaheshwer; Vasu, V.; Govindaraju, M.; Srinadh, K. V. Sai.  
Stress corrosion cracking behaviour of 7xxx aluminum alloys: A literature review  
Transactions of Nonferrous Metals Society of China, 2016, 26(6): 1447-1471

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Moses, J. Jebeen; Dinaharan, I. \* ; Sekhar, S. Joseph.

Prediction of influence of process parameters on tensile strength of  
AA6061/TiC aluminum matrix composites produced using stir casting  
Transactions of Nonferrous Metals Society of China, 2016, 26(6): 1498-511

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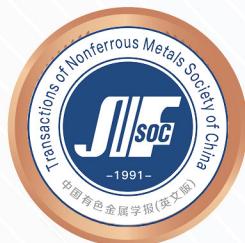
*30th Anniversary of Transactions of Nonferrous Metals Society of China  
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Pramanik, A.\*

Effects of reinforcement on wear resistance of aluminum matrix composites  
Transactions of Nonferrous Metals Society of China, 2016, 26(2): 348-358

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Yin, Tu-bing \* ; Shu, Rong-hua; Li, Xi-bing; Wang, Pin; Liu, Xi-ling.  
Comparison of mechanical properties in high temperature and thermal treatment granite  
Transactions of Nonferrous Metals Society of China, 2016, 26(7): 1926-1937

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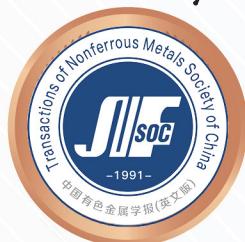
Radhika, N.\* ; Raghu, R..

Development of functionally graded aluminium composites using centrifugal casting and  
influence of reinforcements on mechanical and wear properties

Transactions of Nonferrous Metals Society of China, 2016, 26(4): 905-916

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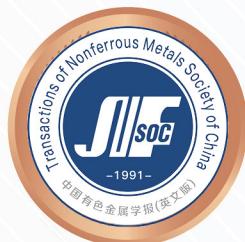
Shan, Lei; Zhang, Yang-rong; Wang, Yong-xin \* ; Li, Jin-long; Jiang, Xin; Chen, Jian-min.

Corrosion and wear behaviors of PVD CrN and CrSiN coatings in seawater

Transactions of Nonferrous Metals Society of China, 2016, 26(1): 175-184

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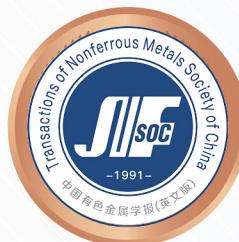
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Zhou, Ke-ping; Lin \* , Yun; Deng, Hong-wei; Li, Jie-lin; Liu, Chuan-ju.  
Prediction of rock burst classification using cloud model with entropy weight  
Transactions of Nonferrous Metals Society of China, 2016, 26(7): 1995-2002

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Zhou, Zi-long \* ; Cai, Xin; Zhao, Yuan; Chen, Lu; Xiong, Cheng; Li, Xi-bing.

Strength characteristics of dry and saturated rock at different strain rates

Transactions of Nonferrous Metals Society of China, 2016, 26(7): 1919-1925

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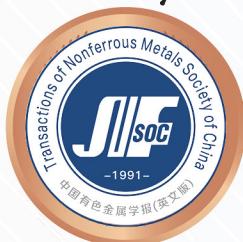
Li, Jie-lin \* ; Zhou, Ke-ping; Liu, Wei-jie; Deng, Hong-wei.

NMR research on deterioration characteristics of  
microscopic structure of sandstones in freeze-thaw cycles

Transactions of Nonferrous Metals Society of China, 2016, 26(11): 2997-3003

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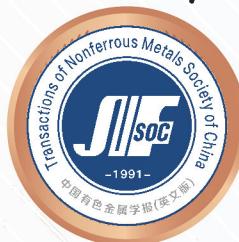
*30th Anniversary of Transactions of Nonferrous Metals Society of China  
TOP 100 High Impact Paper Award (From 2011 to 2020)*

Zeng, Rong-chang \* ; Hu, Yan; Zhang, Fen;  
Huang, Yuan-ding; Wang, Zhen-lin; Li, Shuo-qi; Han, En-hou.  
Corrosion resistance of cerium-doped zinc calcium phosphate  
chemical conversion coatings on AZ31 magnesium alloy

Transactions of Nonferrous Metals Society of China, 2016, 26(2): 472-483

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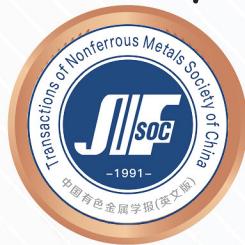
Bartolomeu, F. \* ; Buciumeanu, M.; Pinto, E.; Alves, N.; Silva, F. S.; Carvalho, O.; Miranda, G.

Wear behavior of Ti<sub>6</sub>Al<sub>4</sub>V biomedical alloys processed by  
selective laser melting, hot pressing and conventional casting

Transactions of Nonferrous Metals Society of China, 2017, 27(4): 829-838

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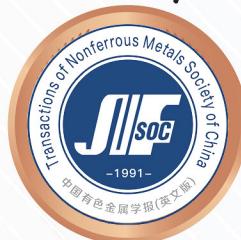
Nguyen Van Phuong; Gupta, Manoj; Moon, Sungmo \* .

Enhanced corrosion performance of magnesium phosphate  
conversion coating on AZ31 magnesium alloy

Transactions of Nonferrous Metals Society of China, 2017, 27(5): 1087-1095

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*30th Anniversary of Transactions of Nonferrous Metals Society of China  
TOP 100 High Impact Paper Award (From 2011 to 2020)*

Sharma, Nidhi \* ; Khan, Zahid A.; Siddiquee, Arshad Noor.

Friction stir welding of aluminum to copper-An overview

Transactions of Nonferrous Metals Society of China, 2017, 27(10): 2113-2136

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Li, Peng-wei; Li, Hui-zhong \* ; Huang, Lan; Liang, Xiao-peng; Zhu, Ze-xiao.

Characterization of hot deformation behavior of AA2014  
forging aluminum alloy using processing map

Transactions of Nonferrous Metals Society of China, 2017, 27(8): 1677-1688

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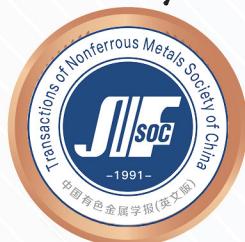
Kumar, B. Praveen; Birru, Anil Kumar \* .

Microstructure and mechanical properties of aluminium metal matrix composites with addition  
of bamboo leaf ash by stir casting method

Transactions of Nonferrous Metals Society of China, 2017, 27(12): 2555-2572

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Umapathy, V.; Neeraja, P.\* ; Manikandan, A.; Ramu, P..

Synthesis of NiMoO<sub>4</sub> nanoparticles by sol-gel method and their structural,  
morphological, optical, magnetic and photocatalytic properties

Transactions of Nonferrous Metals Society of China, 2017, 27(8): 1785-1793

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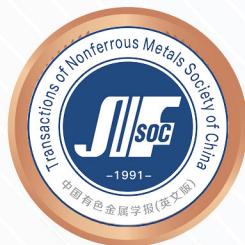
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Donatus, U. \* ; Thompson, G. E.; Omotoyinbo, J. A.; Alaneme, K. K.; Aribi, S.; Agbabiaka, O. G..  
Corrosion pathways in aluminium alloys  
Transactions of Nonferrous Metals Society of China, 2017, 27(1): 55-62

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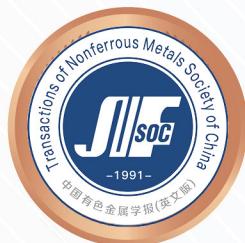
*30th Anniversary of Transactions of Nonferrous Metals Society of China  
TOP 100 High Impact Paper Award (From 2011 to 2020)*

Mehta, Kush P. \* ; Badheka, Vishvesh J..

Influence of tool pin design on properties of dissimilar copper to aluminum friction stir welding  
Transactions of Nonferrous Metals Society of China, 2017, 27(1): 36-54

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Zou, Xiu-liang \* ; Yan, Hong; Chen, Xiao-hui.

Evolution of second phases and mechanical properties  
of 7075 Al alloy processed by solution heat treatment

Transactions of Nonferrous Metals Society of China, 2017, 27(10): 2146-2155

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Xie, Huan-jun; Cheng, Ying-liang \* ; Li, Shao-xian; Cao, Jin-hui; Cao, Li.

Wear and corrosion resistant coatings on surface of cast A356 aluminum alloy by plasma  
electrolytic oxidation in moderately concentrated aluminate electrolytes

Transactions of Nonferrous Metals Society of China, 2017, 27(2): 336-351

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Wahid, Mohd. Atif\* ; Khan, Zahid A.; Siddiquee, Arshad Noor.

Review on underwater friction stir welding: A variant of friction stir  
welding with great potential of improving joint properties

Transactions of Nonferrous Metals Society of China, 2018, 28(2): 193-219

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Yi, Chen-qi; Zou, Jian-peng \* ; Yang, Hong-zhi; Leng, Xian.

Recent advances in pseudocapacitor electrode materials: Transition metal oxides and nitrides  
Transactions of Nonferrous Metals Society of China, 2018, 28(10): 1980-2001

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Falodun, Oluwasegun Eso \* ; Obadele, Babatunde Abiodun; Oke, Samuel Ranti;  
Ige, Oladeji Oluremi; Olubambi, Peter Apata; Lethabane, Moipone Linda; Bhero, Shepherd Willie.

Influence of spark plasma sintering on microstructure and  
wear behaviour of Ti-6Al-4V reinforced with nanosized TiN

Transactions of Nonferrous Metals Society of China, 2018, 28(1): 47-54

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Kong, Xiang-feng; Jiang, Xing-xing; Xue, Sheng-guo \* ;

Huang, Ling; Hartley, William; Wu, Chuan; Li, Xiao-fei.

Migration and distribution of saline ions in bauxite residue during water leaching

Transactions of Nonferrous Metals Society of China, 2018, 28(3): 534-541

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Pezzato, L.\* ; Angelini, V.; Brunelli, K.; Martini, C.; Dabala, M..

Tribological and corrosion behavior of PEO coatings with  
graphite nanoparticles on AZ91 and AZ80 magnesium alloys

Transactions of Nonferrous Metals Society of China, 2018, 28(2): 259-272

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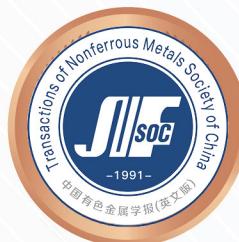
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Lin, Y. C. \* ; Luo, Shun-cun; Jiang, Xing-you; Tang, Yi; Chen, Ming-song.  
Hot deformation behavior of a Sr-modified Al-Si-Mg alloy: Constitutive model and processing maps  
Transactions of Nonferrous Metals Society of China, 2018, 28(4): 592-603

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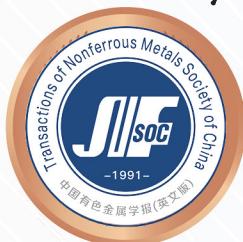
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Zhou, Hai-hui \* ; Liao, Zuo-wei; Fang, Chen-xu; Li,  
Huan-xin; Feng, Bin; Xu, Song; Cao, Guo-fei; Kuang, Ya-fei.  
Pulse electroplating of Ni-W-P coating and its anti-corrosion performance  
Transactions of Nonferrous Metals Society of China, 2018, 28(1): 88-95

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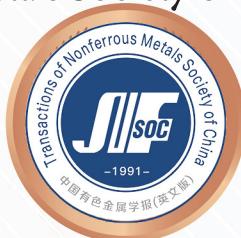
Kong, Xiang-feng; Hartley, William; Li, Yi-wei.

Leaching optimization and dissolution behavior of alkaline anions in bauxite residue

Transactions of Nonferrous Metals Society of China, 2018, 28(6): 1248-1255

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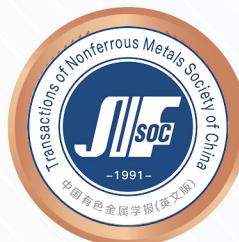
Moazami-Goudarzi, Mohammad \* ; Nemati, Aram.

Tribological behavior of self lubricating Cu/MoS<sub>2</sub> composites fabricated by powder metallurgy

Transactions of Nonferrous Metals Society of China, 2018, 28(5): 946-956

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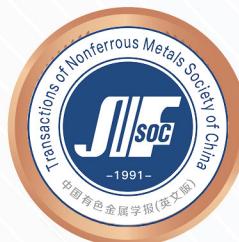
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Zhu, Hai-ling; Qin, Wen-qing \* ; Chen, Chen; Chai, Li-yuan; Li, Lai-shun; Liu, San-jun; Zhang, Ting.  
Selective flotation of smithsonite, quartz and calcite using alkyl diamine ether as collector  
Transactions of Nonferrous Metals Society of China, 2018, 28(1): 163-168.

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TOP 100 High Impact Paper Award (From 2011 to 2020)*

Rouhi, Mohammad; Moazami-Goudarzi, Mohammad \* ; Ardestani, Mohammad.  
Comparison of effect of SiC and MoS<sub>2</sub> on wear behavior of Al matrix composites  
Transactions of Nonferrous Metals Society of China, 2019, 29(6): 1169-1183

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*30th Anniversary of Transactions of Nonferrous Metals Society of China  
TOP 100 High Impact Paper Award (From 2011 to 2020)*

Liu, Lei; Wu, Yun-xin; Gong, Hai \* ; Wang, Kai.

Modification of constitutive model and evolution of activation  
energy on 2219 aluminum alloy during warm deformation process

Transactions of Nonferrous Metals Society of China, 2019, 29(3): 448-459

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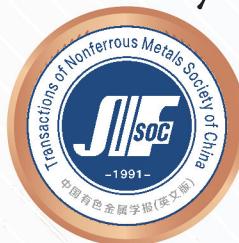
Chen, Xiang; Huang, Guang-sheng \* ; Liu, Shuai-shuai; Han, Ting-zhuang; Jiang, Bin;  
Tang, Ai-tao; Zhu, Yun-tian; Pan, Fu-sheng.

Grain refinement and mechanical properties of pure  
aluminum processed by accumulative extrusion bonding

Transactions of Nonferrous Metals Society of China, 2019, 29(3): 437-447

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*30th Anniversary of Transactions of Nonferrous Metals Society of China*  
**TOP 100 High Impact Paper Award** (From 2011 to 2020)

Rajendran, C.\* ; Srinivasan, K.; Balasubramanian, V; Balaji, H.; Selvaraj, P..

Effect of tool tilt angle on strength and microstructural characteristics  
of friction stir welded lap joints of AA2014-T6 aluminum alloy

Transactions of Nonferrous Metals Society of China, 2019, 29(9): 1824-1835

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Ismaeel, Adam; Wang, Cun-shan \* .

Effect of Nb additions on microstructure and properties of  
gamma-TiAl based alloys fabricated by selective laser melting

Transactions of Nonferrous Metals Society of China, 2019, 29(5): 1007-1016

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Yin, Wan-zhong; Sun, Qian-yu \* ; Li, Dong; Tang, Yuan; Fu, Ya-feng; Yao, Jin.  
Mechanism and application on sulphidizing flotation of copper oxide with combined collectors  
Transactions of Nonferrous Metals Society of China, 2019, 29(1): 178-185

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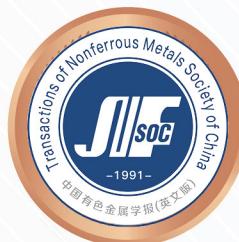
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Cao, Yuan-kui; Liu, Yong \* ; Liu, Bin; Zhang, Wei-dong; Wang, Jia-wen; Du, Meng.  
Effects of Al and Mo on high temperature oxidation behavior of refractory high entropy alloys  
Transactions of Nonferrous Metals Society of China, 2019, 29(7): 1476-1483

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Effects of pore size and porosity of surface-modified porous titanium implants on bone tissue ingrowth  
Transactions of Nonferrous Metals Society of China, 2019, 29(12): 2534-2545

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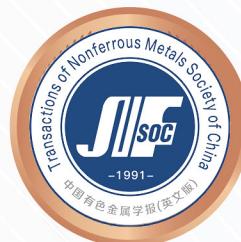
Abbasi, M.; Givi, M.; Bagheri, B. \* .

Application of vibration to enhance efficiency of friction stir processing

Transactions of Nonferrous Metals Society of China, 2019, 29(7): 1393-1400

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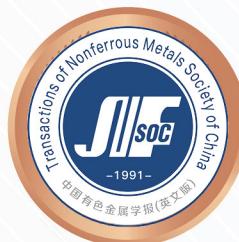
Damavandi, Esmaeil; Nourouzi, Salman \* ; Rabiee, Sayed Mahmood; Jamaati, Roohollah.

Effect of ECAP on microstructure and tensile properties of A390 aluminum alloy

Transactions of Nonferrous Metals Society of China, 2019, 29(5): 931-940.

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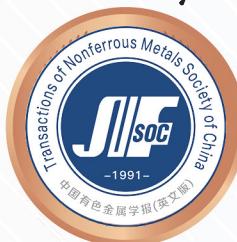
*30th Anniversary of Transactions of Nonferrous Metals Society of China  
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Wang, Pei \* ; Eckert, Jurgen; Prashanth, Konda-gokuldoss; Wu, Ming-wei;  
Kaban, Ivan; Xi, Li-xia; Scudino, Sergio.

A review of particulate-reinforced aluminum matrix composites fabricated by selective laser melting  
Transactions of Nonferrous Metals Society of China, 2020, 30(8): 2001-2034

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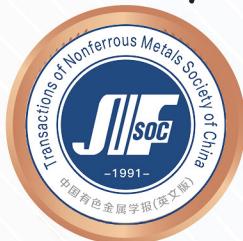
Bagheri, Behrouz \* ; Abbasi, Mahmoud; Abdollahzadeh, Amin; Mirsalehi, Seyyed Ehsan.

Effect of second-phase particle size and presence of  
vibration on AZ91/SiC surface composite layer produced by FSP

Transactions of Nonferrous Metals Society of China, 2020, 30(4): 905-916

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Cheng, Yuan-fen; Du, Wen-bo \* ; Liu, Ke; Fu, Jun-jian; Wang, Zhao-hui; Li, Shu-bo; Fu, Jin-long.

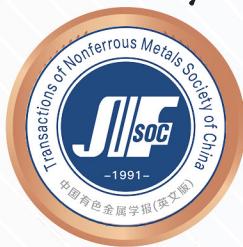
Mechanical properties and corrosion behaviors of

Mg-4Zn-0.2Mn-0.2Ca alloy after long term in vitro degradation

Transactions of Nonferrous Metals Society of China, 2020, 30(2): 363-372

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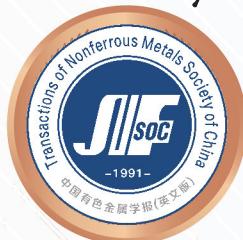
Chu, Hin On; Wang, Quan; Shi, Yong-jing \* ; Song, Shi-geng; Liu, Wei-guo; Zhou, Shun;  
Gibson, Des; Alajlani, Yahya; Li, Cheng.

Structural, optical properties and optical modelling  
of hydrothermal chemical growth derived ZnO nanowires

Transactions of Nonferrous Metals Society of China, 2020, 30(1): 191-199

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Zinc-doped hydroxyapatite-zeolite/polycaprolactone composites coating on magnesium substrate for enhancing in-vitro corrosion and antibacterial performance

Transactions of Nonferrous Metals Society of China, 2020, 30(1): 123-133

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Hot deformation behavior of Ti-6Al-4V-0.1Ru alloy during isothermal compression  
Transactions of Nonferrous Metals Society of China, 2020, 30(1): 134-146

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Xu, Wei-feng \* ; Ma, Jun; Luo, Yu-xuan; Fang, Yue-xiao.

Microstructure and high-temperature mechanical properties  
of laser beam welded TC4/TA15 dissimilar titanium alloy joints

Transactions of Nonferrous Metals Society of China, 2020, 30(1): 160-170

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Wang, Xiao-feng \* ; Shi, Tong-ya; Wang, He-bin; Zhou, Song-ze; Peng, Wen-fei; Wang, Yong-gang.  
Effects of strain rate on mechanical properties, microstructure  
and texture of Al-Mg-Si-Cu alloy under tensile loading

Transactions of Nonferrous Metals Society of China, 2020, 30(1): 27-40

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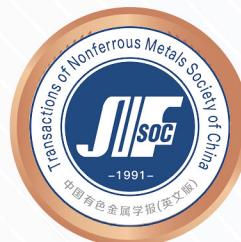
Zheng, Li; Qian, Shi \* ; Liu, Xuan-yong.

Induced antibacterial capability of TiO<sub>2</sub> coatings in visible light via nitrogen ion implantation

Transactions of Nonferrous Metals Society of China, 2020, 30(1): 171-180

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Arif, M. A. M. \* ; Omar, M. Z.; Sajuri, Z.; Salleh, M. S..

Effects of Cu and Mg on thixoformability and mechanical properties of aluminium alloy 2014.

Transactions of Nonferrous Metals Society of China, 2020, 30(2): 275-287

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