

لیست جدیدترین مقالات انگلیسی

| No | Subject | Title | Reference | Page |
|----|--------------------------------|--|------------------------------------|---------|
| 1 | Al ₂ O ₃ | Fluidity of Al based metal matrix composites containing Al ₂ O ₃ and SiC particles | Inter.cast.metals.2009.n o.6 | 430-437 |
| 2 | Aluminium alloy | Interfacial heat-transfer between A356-aluminium alloy and metal mould | China foundry 2009 | 305-307 |
| 3 | Aluminum | Influence of residual aluminum on solidification pattern of ductile iron | Inter.cast.metals.2009.n o.6 | 401-410 |
| 4 | Aluminum | Fluidity of Al based metal matrix composites containing Al ₂ O ₃ and SiC particles | Inter.cast.metals.2009.n o.6 | 430-437 |
| 5 | Aluminum | Influences of pulse electric current treatment on solidification microstructures and mechanical properties of Al-Si piston alloys | China foundry 2009 | 24-31 |
| 6 | Aluminum | Numerical simulation of low pressure die casting aluminum wheel | China foundry 2009 | 48-52 |
| 7 | Aluminum | Microstructure variation and growth mechanism of hypoeutectic Al-Si alloy solidified under high pressure | China foundry 2009 | 129-132 |
| 8 | Aluminum | Effect of strontium and solidification rate on eutectic grain structure in an Al-13wt%Si alloy | China foundry 2009 | 226-231 |
| 9 | Aluminum | Emerging melt quality control solution technologies for aluminum melt | China foundry 2009 | 358-365 |
| 10 | Aluminum alloys | Comparison of mechanical properties of die cast aluminum alloys: cold v. hot chamber die casting and high v. low speed filling die | Inter.cast.metals.2009.n o.5 | 374-381 |
| 11 | Aluminum alloys | Thermal analysis applied to estimation of solidification kinetics of Al-Si aluminum alloys | Inter.cast.metals.2009.n o.5 | 345-352 |
| 12 | Aluminum alloys | Optimization of friction stir welding process parameters to weld cast aluminum alloy A ₄₁₃ -an experimental approach | Inter.cast.metals.2009.n o.5 | 367-373 |
| 13 | Aluminum alloys | Influence of temper condition on microstructure and mechanical properties of semisolid metal processed Al-Si-Mg alloy A ₃₅₆ | Inter.cast.metals.2009.n o.6 | 417-421 |
| 14 | As-cast | As-cast structure refinement of Ti-46Al alloy by hafnium and boron additions | China foundry 2009 | 115-118 |
| 15 | Austenitic steel | Stainless, austenitic , cast steel with a TRIP effect | Inter. foundry. Research.2010.No.1 | 2-11 |
| 16 | Bentonite | Performance characteristics of EZhou bentonite of hubei province and its modification | China foundry 2009 | 308-313 |
| 17 | Camshaft | Fracture analysis chilled cast iron camshaft | China foundry 2009 | 104-108 |
| 18 | Centrifugal casting | On assessment of processing variables in vertical centrifugal casting technique | Inter.cast.metals.2009.n o.5 | 382-389 |
| 19 | Centrifugal casting | Effect of quenching temperature on structure and properties of centrifugal casting high speed steel roll | China foundry 2009 | 15-19 |

لیست جدیدترین مقالات انگلیسی

| | | | | |
|----|----------------------|--|------------------------------------|---------|
| 20 | Ceramic molds | Thermal and physical properties of nickel superalloys and ceramic molds | Inter. foundry. Research.2010.No.1 | 30-34 |
| 21 | Chilled cast iron | Fracture analysis chilled cast iron camshaft | China foundry 2009 | 104-108 |
| 22 | Colour metallography | Colour metallography of cast iron | China foundry 2009 | 57-69 |
| 23 | Colour metallography | Colour metallography of cast iron | China foundry 2009 | 152-163 |
| 24 | Colour metallography | Colour metallography of cast iron | China foundry 2009 | 255-267 |
| 25 | Colour metallography | Colour metallography of cast iron | China foundry 2009 | 366-374 |
| 26 | Compacted graphite | Compacted graphite iron –A material solution for modern diesel engine cylinder blocks and heads | China foundry 2009 | 241-246 |
| 27 | Composite | Fluidity of Al based metal matrix composites containing Al ₂ O ₃ and SiC particles | Inter.cast.metals.2009.n o.6 | 430-437 |
| 28 | Composite | Fluidity of Al based metal matrix composites containing Al ₂ O ₃ and SiC particles | Inter.cast.metals.2009.n o.6 | 430-437 |
| 29 | Composite | Friction and wear properties of casting in-situ silicon particle reinforced za27 composites | China foundry 2009 | 1-8 |
| 30 | Composite | Study on in-situ Mg ₂ Si/Al-Si composites with different compositions | China foundry 2009 | 133-136 |
| 31 | Composite | Casting fabrication of in situ Al ₃ Ti-Al composites and their wear behaviors | China foundry 2009 | 319-327 |
| 32 | Continuous casting | Analysis of Ohno continuous casting process using one-dimensional steady state heat transfer model | Inter.cast.metals.2009.n o.6 | 438-447 |
| 33 | Cylinder blocks | Compacted graphite iron –A material solution for modern diesel engine cylinder blocks and heads | China foundry 2009 | 241-246 |
| 34 | Die casting | Developing castability index for magnesium die casting alloys | Inter.cast.metals.2009.n o.5 | 357-366 |
| 35 | Die casting | Comparison of mechanical properties of die cast aluminum alloys: cold v. hot chamber die casting and high v. low speed filling die | Inter.cast.metals.2009.n o.5 | 374-381 |
| 36 | Die casting | Numerical simulation of low pressure die casting aluminum wheel | China foundry 2009 | 48-52 |
| 37 | Die casting | Development of vacuum die casting process | China foundry 2009 | 137-144 |
| 38 | Ductile iron | Analysis of ductile cast iron solidification: numerical simulation and experimental validation | Inter.cast.metals.2009.n o.5 | 390-400 |
| 39 | Ductile iron | Influence of residual aluminum on solidification pattern of ductile iron | Inter.cast.metals.2009.n o.6 | 401-410 |

لیست جدیدترین مقالات انگلیسی

| | | | | |
|----|---------------------------|---|------------------------------------|---------|
| 40 | Ductile iron | Mechanism of the silicon influence on chilling tendency index and chill of ductile iron in thin wall casting | Inter. foundry. Research.2010.No.1 | 12-17 |
| 41 | Ferritic ductile iron | Solution strengthened Ferritic ductile iron ISO 1083/JS/500-10 provides superior consistent properties in hydraulic rotators | China foundry 2009 | 343-351 |
| 42 | Furan resin | Substitute materials of furfuryl alcohol in furan resin used for foundry and their technical properties | China foundry 2009 | 339-342 |
| 43 | Gating | Characteristics and influence factors of mold filling process in permanent mold with a slot gating system | China foundry 2009 | 328-332 |
| 44 | Grain refinement | Review of grain refinement methods for as-cast microstructure of magnesium alloy | China foundry 2009 | 93-103 |
| 45 | Grain refinement | Effect of minor Sc and Zr addition on grain refinement of as-cast Al-Zn-Mg-Cu alloys | China foundry 2009 | 214-218 |
| 46 | Green sand | The significance of total carbon in greensand systems | China foundry 2009 | 247-254 |
| 47 | Grey iron | Complex (Mn ,X)S compounds-major sites for graphite nucleation in grey cast iron | China foundry 2009 | 352-357 |
| 48 | Grey iron | Metal expansion penetration on concave casting surfaces of grey cast iron cylinder heads | Inter. foundry. Research.2010.No.1 | 18-23 |
| 49 | Grey iron | Thermal analysis control of in-mould and ladle inoculated grey cast irons | China foundry 2009 | 145-151 |
| 50 | Grey iron | Effects of heat treatment on mechanical properties and microstructure of tungsten fiber reinforced grey cast iron matrix composites | China foundry 2009 | 333-338 |
| 51 | Heat conductor | Development of heat conductor technique for single crystal components of superalloys | Inter.cast.metals.2009.n o.6 | 422-429 |
| 52 | Heat resistant alloy | Effects of composite scale on high temperature oxidation resistance of Fe-Cr-Ni heat resistant alloy | China foundry 2009 | 109-114 |
| 53 | Heat transfer | Analysis of Ohno continuous casting process using one-dimensional steady state heat transfer model | Inter.cast.metals.2009.n o.6 | 438-447 |
| 54 | High pressure die casting | Novel methodology for casting process optimization using Gaussian process regression and genetic algorithm | China foundry 2009 | 232-240 |
| 55 | Inconel 718 | Solute redistribution and Rayleigh number in the mushy zone during directional solidification of Inconel 718 | China foundry 2009 | 208-213 |
| 56 | Investment casting | Intelligent design of investment casting mold based on a hybrid reasoning method | China foundry 2009 | 20-23 |

لیست جدیدترین مقالات انگلیسی

| | | | | |
|----|-----------------------|--|------------------------------------|---------|
| 57 | Magnesium | Developing castability index for magnesium die casting alloys | Inter.cast.metals.2009.n o.5 | 357-366 |
| 58 | Magnesium | Modification and refinement mechanism of Mg ₂ Si phase in Sr-containing AZ61-0.7Si magnesium alloy | China foundry 2009 | 37-42 |
| 59 | Magnesium | Effect of Zn content on microstructure, mechanical properties and fracture behavior of Mg-Mn alloy | China foundry 2009 | 43-47 |
| 60 | Magnesium | Review of grain refinement methods for as-cast microstructure of magnesium alloy | China foundry 2009 | 93-103 |
| 61 | Magnesium | Effects of the fourth component and undercooling on morphology of primary Mg-Zn-Y icosahedral quasicrystal phase under normal casting conditions | China foundry 2009 | 293-299 |
| 62 | Magnesium alloy | Microstructure and mechanical properties of Mg-6Al magnesium alloy with yttrium and neodymium | China foundry 2009 | 124-128 |
| 63 | Measurement technique | On the fraction of sand grains bounded in molding materials-a new measurement technique | Inter. foundry. Research.2010.No.1 | 24-29 |
| 64 | Mold | Characteristics and influence factors of mold filling process in permanent mold with a slot gating system | China foundry 2009 | 328-332 |
| 65 | Molding material | On the fraction of sand grains bounded in molding materials-a new measurement technique | Inter. foundry. Research.2010.No.1 | 24-29 |
| 66 | Molten aluminum | Mechanism of dissolution of flux containing Mn-Al compacts in molten aluminum | Inter.cast.metals.2009.n o.5 | 353-356 |
| 67 | Pressure casting | Simulation research on control algorithm of differential pressure casting process | China foundry 2009 | 202-207 |
| 68 | Semi solid | Influence of temper condition on microstructure and mechanical properties of semisolid metal processed Al-Si-Mg alloy A ₃₅₆ | Inter.cast.metals.2009.n o.6 | 417-421 |
| 69 | Semi-solid | Effect of pouring temperature on semi-solid slurry of z1101 alloy prepared by slightly electromagnetic stirring | China foundry 2009 | 9-14 |
| 70 | Shell process | Preparation of montmorillonite modified phenolic resin for shell process | China foundry 2009 | 119-123 |
| 71 | Simulation | Computer simulation of core filling process of cast high speed steel roll | China foundry 2009 | 314-318 |
| 72 | Single crystal | Development of heat conductor technique for single crystal components of superalloys | Inter.cast.metals.2009.n o.6 | 422-429 |
| 73 | Sodium silicate | Properties of sodium silicate bonded sand hardened by microwave heating | China foundry 2009 | 191-196 |

لیست جدیدترین مقالات انگلیسی

| | | | | |
|----|-------------------|--|---------------------------------------|---------|
| 74 | Solidification | Analysis of ductile cast iron solidification: numerical simulation and experimental validation | Inter.cast.metals.2009.n o.5 | 390-400 |
| 75 | Solidification | Thermal analysis applied to estimation of solidification kinetics of Al-Si aluminum alloys | Inter.cast.metals.2009.n o.5 | 345-352 |
| 76 | Solidification | Development of heat conductor technique for single crystal components of superalloys | Inter.cast.metals.2009.n o.6 | 422-429 |
| 77 | Solidification | Analysis of Ohno continuous casting process using one-dimensional steady state heat transfer model | Inter.cast.metals.2009.n o.6 | 438-447 |
| 78 | Squeeze casting | To develop a quantitative method for predicting shrinkage porosity in squeeze casting | China foundry 2009 | 53-56 |
| 79 | Stainless steel | Stainless, austenitic , cast steel with a TRIP effect | Inter. foundry. Research.2010.No.1 | 2-11 |
| 80 | Stainless steel | Effect of nitrogen addition on microstructure and erosion-corrosion behavior of stainless steel in acidic slurry | China foundry 2009 | 197-201 |
| 81 | Steel | Stainless, austenitic , cast steel with a TRIP effect | Inter. foundry. Research.2010.No.1 | 2-11 |
| 82 | Steel | Effect of quenching temperature on structure and properties of centrifugal casting high speed steel roll | China foundry 2009 | 15-19 |
| 83 | Steel | Study on wear resistant cast B-containing 1Cr18Ni9Ti stainless steel | China foundry 2009 | 32-36 |
| 84 | Steel | In-situ SEM observation on fracture behavior of austempered silicon alloyed steel | China foundry 2009 | 185-190 |
| 85 | Steel | Numerical simulation of stress field in inclusions of large rudder arm steel casting | China foundry 2009 | 219-225 |
| 86 | Super alloy | Development of heat conductor technique for single crystal components of superalloys | Inter.cast.metals.2009.n o.6 | 422-429 |
| 87 | Super alloy | Influence of directional solidification variables on primary dendrite arm spacing of Ni-based superalloy DZ125 | China foundry 2009 | 300-304 |
| 88 | Super alloys | Thermal and physical properties of nickel superalloys and ceramic molds | Inter. foundry. Research.2010.No.1 | 30-34 |
| 89 | Thermal analysis | Thermal analysis applied to estimation of solidification kinetics of Al-Si aluminum alloys | Inter.cast.metals.2009.n o.5 | 345-352 |
| 90 | Thermal analysis | Influence of residual aluminum on solidification pattern of ductile iron | Inter.cast.metals.2009.n o.6 | 401-410 |
| 91 | Thin wall casting | Mechanism of the silicon influence on chilling tendency index and chill of ductile iron in thin wall casting | Inter. foundry. Research.2010.No.1 | 12-17 |
| 92 | Ti-46Al | As-cast structure refinement of Ti-46Al alloy by | China foundry 2009 | 115-118 |

لیست جدیدترین مقالات انگلیسی

| | | hafnium and boron additions | | |
|----|----------------|---|---------------------------------|---------|
| 93 | Vacuum casting | Rapid fabricating process of zinc alloy moulds based on vacuum casting process | Inter.cast.metals.2009.n o.6 | 411-416 |
| 94 | Wear resistant | Study on wear resistant cast B-containing 1Cr18Ni9Ti stainless steel | China foundry 2009 | 32-36 |
| 95 | welding | Optimization of friction stir welding process parameters to weld cast aluminum alloy A ₄₁₃ -an experimental approach | Inter.cast.metals.2009.n o.5 | 367-373 |
| 96 | white iron | Microstructure and properties of high chromium cast irons: effect of heat treatments and alloying additions | Inter.cast.metals.2009.n o.6 | 447-456 |
| 97 | Zinc alloy | Rapid fabricating process of zinc alloy moulds based on vacuum casting process | Inter.cast.metals.2009.n o.6 | 411-416 |