

SECTION "B"

1. **N. V. Selezneva, V. B. Veselovskiy, I. Mamuzić***; *Dnepetrovsk National University, Dnepetrovsk, Ukraine, *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia*; **Temperature fields of compound thermal isolation at warming up and melting**
2. **I. Gubin, V. B. Veselovskiy, D. Čurčija*, A. A. Kochubey**; *Dnepetrovsk National University, Dnepetrovsk, Ukraine, *Sisak, Croatia*; **Mathematical simulation and choice of optimum thermal models of continuous pouring became**
3. **K. V. Gorelova, V. B. Veselovskiy, I. Mamuzić***; *Dnepetrovsk National University, Dnepetrovsk, Ukraine, *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia*; **Mathematical simulation of the processes of solids heating intensification**
4. **Iu. V. Brazaluk, O. O. Kochubey, I. Mamuzić*, M. V. Polyakov, D. V. Yevdokymov**; *Dnepetrovsk National University, Dnepetrovsk, Ukraine, *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia*; **Mathematical modeling of air pollution by dust**
5. **E. K. Bevza, O. O. Kochubey, I. Mamuzić*, I. I. Tkachenko, D. V. Yevdokymov**; *Dnepetrovsk National University, Dnepetrovsk, Ukraine, *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia*; **Production of porous metal in microgravity condition**
6. **P. Babich, O. O. Kochubey, I. Mamuzić*, D. V. Yevdokymov**; *Dnepetrovsk National University, Dnepetrovsk, Ukraine, *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia*; **Mathematical modeling of three-phase system evolution**
7. **P. Babich, O. O. Kochubey, I. Mamuzić*, D. V. Yevdokymov**; *Dnepetrovsk National University, Dnepetrovsk, Ukraine, *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia*; **Mathematical modeling of sherardizing**
8. **O. O. Kochubey, J. Šipalo Žuljević*, M. V. Polyakov, D. M. Serbichenko, D. V. Yevdokymov**; *Dnepetrovsk National University, Dnepetrovsk, Ukraine, *Zagreb, Croatia*; **Diffusive bubble growth in microgravity**
9. **Iu. V. Brazaluk, O. O. Kochubey, I. Mamuzić*, M. V. Polyakov, D. V. Yevdokymov**; *Dnepetrovsk National University, Dnepetrovsk, Ukraine, *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia*; **Calculation of heating and cooling of steel ingots by combined splitting and boundary element method**
10. **E. K. Bevza, O. O. Kochubey, M. Jurković*, D. V. Yevdokymov**; *Dnepetrovsk National University, Dnepetrovsk, Ukraine, *Technical Faculty, University of Rijeka, Rijeka, Croatia*; **Small oscillation of multiphase system near phase equilibrium**
11. **O. O. Kochubey, I. Mamuzić*, M. V. Polyakov, D. V. Yevdokymov**; *Dnepetrovsk National University, Dnepetrovsk, Ukraine, *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia*; **Boiling of liquid film on curvilinear surface**
12. **Iu. V. Brazaluk, O. O. Kochubey, D. Čurčija*, M. V. Polyakov, D. V. Yevdokymov**; *Dnepetrovsk National University, Dnepetrovsk, Ukraine, *Sisak, Croatia*; **On one mathematical model of particle in liquid metal**

13. **O. O. Kochubey, I. Mamuzić*, M. V. Polyakov, D. V. Yevdokymov;** *Dnepropetrovsk National University, Dnepropetrovsk, Ukraine, *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia;* **Calculation of thermal stresses by boundary element method**
14. **V. B. Yuferov, B. V. Borts, A. F. Vanga, I. V. Buravilov, D. V. Vinnikov, G. V. Pisarev;** *The National Scientific Center "Kharkov Physico-Technical Institute", Institute for Plasma Electronics and new Methods of Acceleration, Kharkov, Ukraine;* **Prospects of obtaining the fine-grained crystal structure of metal ingots in the vacuum-arc furnaces while producing impulse acoustic impact on a liquid melt**
15. **G. S. Kiriya, M. O. Matveeva, B. V. Klimovich;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **About the sensitivity of freezing cast-iron to energoinformative influence**
16. **E. I. Scibulia, A. G. Grinshpunt;** *National Metallurgical Academy of Ukraine, Ukraine;* **Improvement of descriptive adjectives of electrode mass at the expence of electro-calcined termoanthracite application**
17. **M. M. Boyko, D. A. Kovalyov, O. Volkova, P. R. Scheller*;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine, *Institute for Iron and Steel Technology, TU Bergakademie Freiberg, Germany;* **Research of FeOx-CaO-SiO₂-MgO-Al₂O₃-system properties from sintering and pellets burning processes**
18. **D. A. Kovalyov, N. D. Vanukova, M. M. Boyko;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Construction of dynamic mathematical model of pellets burning**
19. **D. A. Kovalyov, N. D. Vanukova, M. V. Yagolnik, A. V. Babenko;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Research of the cold bonded magnetite pellets strength during heat treatment**
20. **D. A. Kovalyov, N. D. Vanyukova, M. V. Yagolnik, O. V. Babenko;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Investigation of the cold bonded by-products pellets strength during heat treatment**
21. **D. A. Kovalyov, A. V. Babenko, N. D. Vanyukova, M. V. Yagolnik;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Research of work-hardening mechanism of cold binder pellets from a multicomponent charge with cement additions**
22. **N. V. Ignatov, A. G. Grinshpunt, E. I. Sulimenko, V. I. Naboka, A. Y. Ilyukhin, V. G. Shibko;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Prospects of lump iron-ore charge production by application of iron content materials, fluxing and binding additives of ferrite type**
23. **A. I. Karakash, U. G. Efimenko, J. V. Sviridenko, K. V. Shmat;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Briquetting of iron-bearing active structures of oxides**
24. **V. Shatokha, I. Shepetovskiy, I. Sokolovska;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Effect of joint grinding of fluxes and coal on the efficiency of sulphur catching during gasification**
25. **V. V. Filuk, V. S. Ignatiev, G. A. Polyakov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Salvaging of red slimes with application of cyclone installation**
26. **S. N. Foris, O. G. Fedorov, S. S. Fedorov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **The economy of natural gas in metallurgical lime production**

27. **A. V. Nazarenko, V. V. Bochka, V. M. Servetnik;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Estimation of various factors influence to the gas permeability of blast charge layer**
28. **M. Bojchenko, V. I. Pishchida;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **To a question on the mechanism of deterioration of periclase-carbon refractories in converters**
29. **M. Bojchenko, V. I. Pishchida;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Substantiation of work of converters without preliminary roasting of their lining**
30. **V. G. Porohnjavyj, B. M. Bojchenko, K. G. Nizjaev, A. N. Stojanov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Results of use the basic lining in 160-t teeming ladle on "krivorozhstal" jsc**
31. **M. Bojchenko, K. G. Nizjaev;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Interaction of the gas-steam phase with liquid pig iron at its desulphuration in the zone of immersed electroarches**
32. **K. G. Nizjaev, B. M. Bojchenko, A. N. Stojanov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **About the material for manufacturing and constructive parameters of the restored block electrodes at processing of iron-carbon melts**
33. **M. Bojchenko, K. G. Nizjaev, A. N. Stojanov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Estimation of the opportunity of argon replacement on nitrogen under blasting of steel in the ladle**
34. **V. Shtapura, B. M. Bojchenko, K. G. Nizjaev;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Modelling of combined bottom-side blast of the liquid metal bath by neutral gas**
35. **V. N. Erak, K. G. Nizjaev, B. M. Bojchenko;** *National Metallurgical Academy of Ukraine, Niznedneprovsky pipe-rolling factory, Dnepropetrovsk, Ukraine;* **The analysis of efficiency of the bottom and combined blasting of the open-hearth bath by neutral gas**
36. **V. N. Erak, B. M. Bojchenko, K. G. Nizjaev;** *National Metallurgical Academy of Ukraine, Niznedneprovsky pipe-rolling factory, Dnepropetrovsk, Ukraine;* **Experience of blasting technology application of carboncontain materials in the open-hearth bath**
37. **A. P. Chuvanov, L. S. Rudoi, V. G. Kotlyarov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Increase of performance efectiveness of the continuous casting ingots machines and quality of cast metal**
38. **V. P. Ivaschenko, J. S. Paniotov, A. K. Tarakanov, V. S. Mameshin, A. S. Gritsenko;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **About the opportunity of uncontrollable foaming slag in unit romelt**
39. **V. V. Bochka, V. N. Kovshov, S. E. Sulimenko, A. V. Nazarenko, V. A. Petrenko;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Analysis of possibility to apply ultrasonic in the blast furnace**
40. **V. V. Bochka, V. N. Kovshov, S. E. Sulimenko, A. V. Nazarenko, V. A. Petrenko;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **The research of blast furnace processes at application of non-traditional kinds of energy**
41. **V. Shatokha, S. Seetharaman, A. Semykina, I. Sokolovska;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Investigation of redox reactions in a view to recover iron-bearing compounds from steelmaking slags**

42. **V. V. Ivaschenko, V. V. Bochka, A. V. Nazarenko;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **The mass of load influence on the possibility to intensify the blast furnace operation.**
43. **T. A. Lebedeva, V. V. Bochka, A. V. Nazarenko;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **The analysis of blast furnace operation in complex with equipment of iron out-of-furnace treatment**
44. **T. S. Sheglova, G. H. Kiriy, V. E. Khrychikov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Steam is thermal oxidizing of mould**
45. **A. G. Velichko, V. S. Grishin, V. A. Gryadunov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Lance tips for converter production**
46. **M. V. Emelin, J. A. Mushenkov, S. R. Rahmanov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Research of a thermo intense condition and increase of thermal stability of a bowl slag car**
47. **A. E. Bistrov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Development of new block products for chekerwork of blast furnace stoves**
48. **V. Gubinskiy, L. Vorobyova;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **The analysis of effectiveness of the compact regenerator using the packing oh heat-resistant pipes**
49. **L. P. Gres, S. A. Karpenko, O. L. Gres;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Fuels» nitrogen oxides features formation at blast-furnace gas combustion**
50. **O. Chygyrynets', G. Stovpchenko;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Efficient powder rust converter**
51. **V. Golub, L. V. Kamkina;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **The possibility of replace of argon on nitrogen was under study**
52. **Ya. V. Stovba, V. P. Kamkin;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Metal chemistry homogenization at presence of the heterogenous zone in melt**
53. **L. V. Kamkina, A. A. Nadtochij;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Research of mechanism of iron melt interaction with liquid oxides and gases phases by non-equilibrium thermodynamics methods**
54. **Yu. M. Yakovlev, O. G. Velichko, L. V. Kamkina;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Development of mathematical model of degassing processes at liquid steel vacuum treatment**
55. **G. P. Stovpchenko, L. V. Kamkina, I. V. Derevianchenko, Yu. M. Grishchenko, I. V. Golub;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Improvement of ladle treatment for high strenght rod wire**
56. **A. M. Golovachov, V. Yu. Bolotov, G. P. Stovpchenko;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine, Pridneprovsky Technical University, Dneprodzerginsk, Ukraine;* **Optimization of pouring parameters of hss composite ingot**
57. **P. Meshalkin, L. V. Kamkina, O. M. Grishin;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Effect of type and location of blowing devices to the increase of the intensivity of converter bath blowing**
58. **P. Meshalkin, V. P. Kamkin;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Improvement of blowing devices location for stabilization of converter bath hydrodynamics**

59. **N. A. Kolbin, O. L. Kostiolov, R. V. Ankudinov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Influence of gas stream speed on the height of reactionary zone**
60. **N. A. Kolbin, L. V. Kamkina;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Correlation of the speed of reactionary areas movement with the indexes of reduction of iron ore pellets**
61. **Ya. V. Stovba, V. P. Kamkin, L. V. Kamkina;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Experimental determination of carbon consumption velocity on oxides reduction at carbonaceous ferromanganese melting**
62. **Yu. S. Projdak, G. P. Stovpchenko, L. V. Kamkina, Yu. M. Grishchenko, V. M. Vlasenko, M. V. Levin;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Processing of metalbearing ore and wastes of complex chemistry for alloying materials**
63. **G. P. Stovpchenko, L. B. Medovar*, Y. N. Grishchenko*;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine, *E. O. Pato, Welding Institute of the National Academy of Science of Ukraine, Kiev, Ukraine;* **Vacuum treatment in a modern steelshop flowsheet: Where is the proper place?**
64. **V. A. Pinchuk, B. B. Potapov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Waste free processing of coal converting in gas for power industry and metallurgy**
65. **O. I. Denysenko;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **The research is about the near-surface layer of particles in the injection technology of the metal-composit electrode synthesis**
66. **A. Kovalyov, A. V. Babenko, N. D. Vanyukova, M. V. Yagolnik;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Research of influencing of activating processes of solid phases reactions on quality of product and productivity at sintering of iron ore**
67. **A. K. Tarakanov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Blast furnace operator`s pc: an interactive system**
68. **K. Tarakanov;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Simulation of the smelting reduction processes**
69. **M. I. Gasik, A. N. Ovcharuk;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Technology of low – carbon manganese silicon**
70. **M. I. Gasik, A. N. Ovcharuk;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Innovative technology of boron carbide production and wurtzitelike and graphitelike boron nitride production**
71. **O. N. Kukushkin, V. I. Golovko. N. V. Mikhajlovskiy;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **The radar system for monitoring of profile charge surface in blast furnace (BF)**
72. **A. A. Verhovskaja, V. I. Golovko, O. N. Kukushkin, N. V. Mikhajlovskiy;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **System of definition of speed mix materials leaving and formation of multicomponent portions of mix material on a gathering belt**
73. **M. A. Starovoyt, A. G. Starovoyt;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Raw materials quality and energy saving are the basis for solution of economy objectives in metallurgy**
74. **A. K. Tarakanov, V. P. Ivaschenko, Ju. S. Paniotov, S. V. Bobrovitskii;** *National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine;* **Simulation of the smelting reduction processes**

75. **T. Mikhaylovskaya, A. Mikhalyov; National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine; Cellular-automatic model of metals and alloys crystallization**
76. **V. A. Gladkih, A. I. Mikhalyov, V. F. Lisenko, T. E. Vlasova, H. V. Licaja, D. A. Lisiy, A. A. Ryabtsev; National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine; Algorithm and software system for the calculation of the optimized composition of the charge when manganese agglomerates**
77. **A. I. Mikhalyov, H. V. Licaja, D. A. Lisiy, V. A. Gladkih, V. F. Lisenko; National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine; Search of compromise in fuzzy optimization of parameters of manganese ferro-alloys smelting**
78. **I. Mikhalyov, V. V. Pomulev, V. G. Gorb; National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine; Formation of metal structures on the basis of spatial percolation clusters**
79. **O. V. Sotsenko, A. I. Bugaenko; National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine; Modeling of vertical streams in the reactionary chamber of the mould with the help of the personal computer**
80. **U. Novikova, A. I. Mikhalyov; National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine; The intellectual system of control process manufacture iron-ore raw material**
81. **V. Yu. Seliverstov, Yu. V. Dotsenko; National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine; Computer modeling of terms of realization of gaz-dynamyc influence on fusion**
82. **A. I. Mikhalyov, V. I. Korsun, D. A. Demchenko; National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine; Ore-dressing an processing enterprise transportation systems modeling using fuzzy petri nets**
83. **I. Derevjanko, E. N. Vatchenko; National Metallurgical Academy of Ukraine, Dnepropetrovsk, Ukraine; Dynamic chaotic aggregation modeling**
84. **L. Chayca, V. G. Zaytsev; Institute of Black Metallurgy of NANU, DNU, Dnepropetrovsk, Ukraine; The decision of a problem of vector optimization of technical and economic parameters of a blast furnace**
85. **Kijac; Faculty of Metallurgy, Technical University of Košice, Slovak Republic; Desulphurisation of hot metal and steel**
86. **Baricová, P. Demeter, Ľ. Mihok; Faculty of Metallurgy, Technical University of Košice, Slovakia; Cement less concrete mixture with blast furnace slag**
87. **Buľko, J. Kijac, J. Demeter, M. Brižek*; Faculty of Metallurgy, Technical University Košice, Slovak Republic, *Železiarne Podbrezová, a.s., Slovak republic; Wearing mechanism of tundish lining**
88. **J. Demeter, J. Kijac, B. Buľko, J. Velgos*; Faculty of Metallurgy, Technical University of Košice, *U. S. Steel spol. S r. o. Košice, Slovak Republic; Estimation of wear agents of magnesia-carbon refractory lining in basic oxygen furnace**
89. **Dorčáková, J. Dusza, G. de Portu; Institute of Materials Research, Košice, Slovakia; Creep behavior of $Al_2O_3 / Al_2O_3 + ZrO_2$ layered composite**
90. **R. Findorák, M. Fröhlichová; Faculty of Metallurgy, Technical University of Košice, Košice, Slovakia; Intensification of sintering process in sinter mix layer**
91. **Fröhlich, M. FrChlichová; Faculty of Metallurgy, Technical University of Košice, Košice, Slovakia; The kinetics of drying of the high alumina refractory castables made with additives of Ba and P**

92. **Fröhlichová, L. Fröhlich, T. Borovský;** *Faculty of Metallurgy, Technical University of Košice, Košice, Slovakia;* **The refractory wear of the blast furnace hearth**
93. **P. Demeter, D. Baricová;** *Technical University of Košice, Faculty of Metallurgy, Košice, Slovakia;* **Possibilities of utilization of demetallized steelmaking slag**
94. **K. Kostúr, M. Laciak;** *BERG Faculty, Technical University, Košice, Slovakia;* **The Development of Technology for the Underground Coal Gasification in a Laboratory Conditions**
95. **K. Kostúr, M. Durdan;** *BERG Faculty, Technical University, Košice, Slovakia;* **Mathematical Modelling of Underground Coal Gasification**
96. **K. Kostúr, J. Kačúr;** *BERG Faculty, Technical University, Košice, Slovakia;* **Control System of Underground Coal Gasification**
97. **J. Terpák, L. Dorčák, I. Košťál, L. Pivka;** *BERG Faculty, Technical University, Košice, Slovakia;* **Reduction of costs of iron production by changing parameters of the mixed blast-furnace wind**
98. **L. Dorčák, J. Terpák, J. Podlubný, L. Pivka;** *BERG Faculty, Technical University, Košice, Slovakia;* **Methods for monitoring of heat flow intensity in the blast furnace wall**
99. **Hršak, G. Sučik*, L. Lazić;** *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia, *Faculty of Metallurgy, Technical University of Košice, Košice, Slovakia;* **The thermophysical properties of serpentinite**
100. **Mamuzić, F. Trebuňa*, M. Buršák**, J. Tomčík*;** *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia, *Faculty of Mechanical Engineering, Technical University of Košice, Košice, Slovakia, **Faculty of Metallurgy, Technical University of Košice, Košice, Slovakia;* **Investigation of reasons and possibility of parameters elimination influencing cracking of leaf springs on continuous casting machine**
101. **Budić, D. Novoselević;** *Mechanical Engineering Faculty, University of Osijek, Slavonski Brod, Croatia;* **Testing of Mathematical Model for Calculating Residual Stress in Iron Castings**
102. **Legin-Kolar, A. Radenović;** *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia;* **The study of different carbon materials as carburizer in foundry**
103. **A. A. Chychko;** *Belarusian National Technical University, Minsk, Belarus;* **Belarusian finite-difference CFD-models in metallurgy and casting**
104. **V. Mitrofanova;** *Moscow Engineering Physics Institute (State University), Moscow, Russia;* **Simulation of heat and mass transfer in swirl flows of liquid-metal coolants**
105. **Bažan, K. Stránský*;** *VŠB-Technical University of Ostrava, Ostrava, Czech Republic, *VUT Brno, Czech Republic;* **Influence of intensity of molten steel flow through ceramic filters on final micro-purity of filtered steel**
106. **Z. Adolf, D. Horáková;** *VŠB-Technical University of Ostrava, Ostrava, Czech Republic;* **Model of prediction of sulphur content at refining of steel in a ladle**
107. **Fila, M. Balcar, R. Svec, L. Martinek;** *ZDAS, a. s. Zdar nad Sazavou, Czech republic;* **Influence of sampling to final oxygen content**
108. **M. Balcar, P. Fila, L. Martinek, J. Bazan*, B. Lanik, V. Smejkal;** *ZDAS, a. s. Zdar nad Sazavou, Czech Republic, *VŠB-Technical University of Ostrava, Ostrava, Czech Republic;* **Application of ceramic filters in ingot casting proces II**
109. **Pustějovská, J. Kret;** *Fakulty of Metalurgy and Materials Engineering, VŠB-Technical University of Ostrava, Czech Republic;* **Injection of non-traditional brown coal and carbon gas into blast furnaces**

110. **M. Muhič, J. Tušek*, F. Kosel*, D. Klobčar*, M. Pleterski*, T. Muhič***; *TKC Technology Consulting Center, Ljubljana, Slovenia,*Faculty of Mechanical Engineering, University of Ljubljana, Ljubljana, Slovenia*; **Analysis of cracking in aluminium die-casting dies**
111. **Arh, F. Tehovnik**; *Institute of Metals and Technology, Ljubljana, Slovenia*; **Manufacturing of stainless steels in an electric arc furnace**
112. **M. Garbiak, B. Piekarski**; *Szczecin University of Technology, Szczecin, Poland*; **Phase characteristics of stabilized austenitic cast steel**
113. **Michalik, C. Kolmasiak**; *Department of Production Management and Logistics, Częstochowa University of Technology, Częstochowa, Poland*; **Physical modeling of stresses during continuous casting of st3s steel**
114. **Kardas, M. Konstanciak, R. Budzik**; *Department of Production Management and Logistics, Częstochowa University of Technology, Częstochowa, Poland*; **Technical – economic analysis of pig iron production**
115. **W. Derda, K. Mierzwa**; *Faculty of Materials Processing Technology and Applied Physics, Czestochowa University of Technology, Częstochowa, Poland*; **Thermal treatment of the eaf-dust under low pressure of gas phase**
116. **Siwka, A. Hutny**; *Faculty of Materials Processing Technology and Applied Physics, Czestochowa University of Technology, Częstochowa, Poland*; **Universal formula to calculation of nitrogen solubility in the liquid nitrogen alloyed steels**
117. **T. Lis**; *Departament of Metallurgy, The Silesian University of Technology, Katowice, Poland*; **Modification of non-metallic inclusions in steel by calcium treatment**
118. **Siwec, J. Willner**; *Departament of Metallurgy, The Silesian University of Technology, Katowice, Poland*; **The mechanism of liquid copper deoxidation during argon blowing**
119. **Siwec**; *Departament of Metallurgy, The Silesian University of Technology, Katowice, Poland*; **Surface tension modeling of ternary alloys**
120. **Holtzer, K. Olendrzynski*, I. Kargulewicz***; *Faculty of Foundry Engineering, AGH-University of Science and Technology, Cracow Poland; *Institute of Environmental Protection, National Administration of Emission Trading Scheme, Warsaw, Poland*; **Estimation of the CO₂ process emission from the production of iron and steel castings**
121. **Oleksiak, L. Blacha**; *Departament of Metallurgy, The Silesian University of Technology, Katowice, Poland*; **Removal of lead from industrial Cu-Pb-Fe alloy by means of argon barbotage**
122. **T. Merder, M. Warzecha**; *Departament of Metallurgy, The Silesian University of Technology, Katowice, Poland*; **Numerical modeling of steel flow in the six-strand tundish with different flow control devices**
123. **Satarnus, J. Botor**; *Departament of Metallurgy, The Silesian University of Technology, Katowice, Poland*; **Physical model of aluminium refining process in URC-7000**
124. **Manojlović**; *Faculty of Technology and Metallurgy, Univesity “St. Cyril and Methodius”, Skopje, Macedonia*; **Mathematical modeling of the temperature filed during steel slab solidification**
125. **Živković, A. Mitovski, Lj. Balanović, D. Manasijević**; *University of Belgrade, Technical Faculty, Bor, Serbia*; **Calorimetric investigation of the In-Sn lead-free solder alloys using Oelsen method**
126. **Sokić, I. Ilić*, D. Živković**, N. Vučković**; *ITNMS, Belgrade, Serbia, *Faculty of Technology and Metallurgy, University of Belgrade, Serbia, **Technical Faculty at*

- Bor, University of Belgrade, Serbia; **Investigation of mechanism and kinetics of chalcopyrite concentrate oxidation process**
127. **M. Kundak, L. Lazić, J. Črnko, V. L. Brovkin***; *Faculty of Metallurgy, University of Zagreb, Sisak, Croatia, *National Metallurgical Academy of Ukraine, Department of Heat Engineering and Ecology, Dnepropetrovsk, Ukraine*; **Influence of CO₂ emissions on the possible development of metallurgy**
128. **Paulin, Z. Čuš, M. Jenko***; *Talum d.d. Kidričevo, Kidričevo, Slovenia, *Institute of Metals and Technology, Ljubljana, Slovenia*; **Optimization of dry scrubber in electrolysis of aluminum**
129. **A. Patarić, Z. Gulišija, B. Jordović***; *ITNMS, Beograd, Serbia, *Technical Faculty, Čačak, Serbia*; **Microstructure and characterization of Electromagnetic casting Al 2024 alloy ingots**
130. **Terzic, Lj. Pavlović, T. Volkov-Husović*, Z. Radojević****; *Institute for Tecnology of Nuclear and Other Raw Mineral Materials, Belgrade, *Faculty of Technology and Metallurgy, Belgrade, **Institute for Testing of Materials, Belgrade, Serbia*; **High-temperature concretes, effect of porosity and phase-content on its mechanical proporties**
131. **Bockus, G. Zaldarys**; **Influence of the section size and holding time on the graphite parameters of ductile iron production**
132. **Mráček, P. Koldinský**; *K.M.TRADE spol. s r.o., Praha, Czech Republic*; **CaSi and Al influence on the limitation of inclusions presence by process of secondary metallurgy**
133. **Z. Ertl, J. Mráček, S. Novák, P. Černý**; *První železářská společnost Kladno s.r.o.*; **Overpressure driving in EAF in the continuity to combustion product exhaustion by foaming slag application**