

CONTENT

Y.E. Benkli, M. Boyrazlı, G.M.L. Senoz, Z. Cizmecioglu, Investigation of reduction of magnetite based carbon composite pellets under semi-fusion conditions.....	621
D. Wu, H. Peng, M. Abdalla, Effect of sodium sulfide waste water recycling on the separation of chalcopyrite and molybdenite.....	629
J. Willner, A. Fornalczyk, B. Gajda, M. Saternus, Bioleaching of indium and tin from used LCD panels...	639
M. Mohseni, M. Abdollahy, R. Poursalehi, M. Reza Khalesi, Quantifying the spreading factor to compare the wetting properties of minerals at molecular level – case study: sphalerite surface.....	646
B. Liu, L. Meng, S. Zheng, M. Li, S. Wang, A novel method to extract vanadium from high-grade vanadium slag: non-salt roasting and alkaline leaching.....	657
J. Yu, Y. Han, P. Gao, Y. Li, S. Yuan, W. Li, An innovative methodology for recycling iron from magnetic pre-concentrate of an iron ore tailing	668
M.M. Fawzy, Surface characterization and froth flotation of fergusonite from Abu Dob pegmatite using a combination of anionic and nonionic collectors.....	677
M. Uçurum, Ö. Bayram, Ö.Y. Toraman, H. Kılıç, Ş. Yalçın, Changes of surface properties of calcite particles with calcium stearate using conventional experimental design and properties of coated calcite	688
T. Yue, X. Wu, Magnetic seeding depression in flotation of hematite ore slimes	701
X. Wang, W. Liu, H. Duan, W. Liu, Degradation mechanism study of amine collectors in Fenton process by quantitative structure-activity relationship analysis	713
L. Zhang, Y. Tao, D. Tao, W. Zhang, L. Yang, Experimental study and numerical simulation on fly ash separation with different plate voltages in rotary triboelectrostatic separator.....	722
X. Bu, T. Zhang, Y. Chen, Y. Peng, G. Xie, E. Wu, Comparison of mechanical flotation cell and cyclonic microbubble flotation column in terms of separation performance for fine graphite	732
E. Radzymińska-Lenarcik, K. Witt, D. Bożejewicz, Selective transport of copper(II) ions across polymer inclusion membrane with aromatic β -diketones as carriers	741
S. Cayirli, Influences of operating parameters on dry ball mill performance	751
Q. Cao, Y. Huang, H. Zou, S. Wen, The surface features of activated stibnite surface with copper or lead ion.....	763
F.J. Alguacil, M. Regel-Rosocka, Hydrometallurgical treatment of hazardous copper Cottrell dusts to recover copper.....	771
S.A. Matuska, K. Ochromowicz, T. Chmielewski, Pressure leaching of sulfide concentrate produced by Lubin Concentrator (KGHM “Polska Miedz” SA, Poland)	781
L. Klapiszewski, J. Zietek, F. Ciesielczyk, K. Siwinska-Stefanska, T. Jesionowski, Magnesium silicate conjugated with calcium lignosulfonate: In situ synthesis and comprehensive physicochemical evaluations.....	793
X. Gu, Y. Zhu, Y. Li, Y. Han, Selective flotation of siderite and quartz from a carbonate-containing refractory iron ore using a novel amino-acid-based collector.....	803
J. Wang, Y. Wang, K. Fu, L. Xu, Z. Wang, H. Sun, J. Xiao, Study of flotation behavior and mechanism of cervantite activation by copper ions.....	814
B. Ke, J. Chen, Y. Li, Y. Chen, Galvanic contacting effect of pyrite on xanthate adsorption on galena surface: DFT simulation and cyclic voltammetric measurements.....	826

Y. Li, N. Li, X. Qi, W. Zhang, R. Zhu, A sedimentation model for particulate suspensions in liquid-solid fluidized beds with inclined channels	837
M. Irannajad, O.S. Nuri, E. Allahkarami, A new approach in separation process evaluation. Efficiency ratio and upgrading curves	847
C. Zhang, S. Wang, Z. Cao, H. Zhong, Kinetics and mechanism of one-step reductive leaching of manganese oxide ores by EDTA/EDTA-2Na	858
C. Zhang, Z. Gao, Y. Hu, W. Sun, H. Tang, Z. Yin, J. He, Q. Guan, Y. Zhu, The effect of polyacrylic acid on the surface properties of calcite and fluorite aiming at their selective flotation	868
E.C. Cilek, K. Uysal, Froth stabilisation using nanoparticles in mineral flotation.....	878
S. Javanshir, Z.H.Mofrad, A. Azargoon, Atmospheric pressure leaching of nickel from a low-grade nickel-bearing ore	890
H. Yan, Q. Yuan, L. Zhou, T. Qiu, G. Ai, Flotation kinetics and thermodynamic behavior of chalcopyrite and pyrite in high alkaline systems	901
M. Gao, X. Xue, L. Li, H. Yang, R. Bai, H. Wang, A novel method to extract vanadium from vanadium-bearing steel slag using sodium carbonate solution.....	911
N. Molaei, F.S. Hoseinian, B. Rezai, A study on the effect of active pyrite on flotation of porphyry copper ores.....	922
M.F. Eskibalci, M.F. Ozkan, An investigation of the effect of NaCl concentration on the electrocoagulation of coal preparation plant tailings.....	934
Q. Lai, Y. Liao, Z. Liu, Y. He, Y. Zhao, Mechanisms for the improved flotation of inherently hydrophobic graphite in electrolyte solution.....	944
V. Shevko, G. Karataeva, M. Tuleev, A. Badikova, D. Amanov, A. Abzhanova, Complex electrothermal processing of an oxide zinc-containing ore of the Shaymerden deposit	955
X. Sun, H. Xu, J. Wang, K. Ning, G. Huang, Y. Yu, L. Ma, Kinetic research of quinoline, pyridine and phenol adsorption on modified coking coal.....	965
X. Zhu, Y. Tao, L. Zhang, Numerical simulation of flow field in enhanced gravity concentrator	975
Y. Yuan, L. Zhang, J. Guan, C. Zhang, J. Wu, Z. Chen, Contribution on fluid inclusion abundance to activation of quartz flotation	981
Y. Han, W. Guo, Y. Zhu, Y. Wei, X. Gu, Flotation behavior and separation mechanism of quartz and iron minerals in α -bromolauric acid reverse flotation system	992
Z. Chen, Z. Zhang, Z. He, R. Chi, Mass transfer process of leaching weathered crust elution-deposited rare earth ore with magnesium salts	1004
V. Shojaei, H. Khoshdast, Efficient chromium removal from aqueous solutions by precipitate flotation using rhamnolipid biosurfactants.....	1014
G. Gu, C. Mo, K. Zhao, Z. Chen, X. Wang, Influence of fenugreek-gum and particle size on performance of talc flotation	1026