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Personal Information

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Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği (Dr), Turkey 1999 - 2005

Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği (YI) (Tezli), Turkey 1992 - 1996

Undergraduate, Anadolu University, Faculty Of Engineering-Architecture, Department Of Mining Engineering, Turkey 1988 - 1992

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Görüntü analizi yöntemi ile ufalanmış minerallerin tane şekil karakterizasyonu, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği (Dr), 2005

Postgraduate, Görüntü analiz cihazı ile zenginleştirme öncesi tane boyut analizi, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği (YI) (Tezli), 1996

Research Areas

Mining Engineering and Technology, Size Reduction and Size Increasing of Solids, Refining and Purification, Comminution-Sizing-Classification, Flotation and Flocculation, Dewatering, Chemical-Biological Winning Techniques and Mineral Processing

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2019 - Continues

Associate Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2013 - 2019

Academic and Administrative Experience

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Modeling and optimization of reagent dosages and pH for efficient floc-flotation of suspended particles in Jameson flotation cell by CCD**
Taşdemir T., Taşdemir A.
Journal of Water Process Engineering, vol.55, 2023 (SCI-Expanded)
- II. **Optimization of floc-flotation process in the removal of suspended particles from wastewater in a Jameson cell using central composite design**
Taşdemir T., Taşdemir A.
Journal of Water Process Engineering, vol.52, 2023 (SCI-Expanded)
- III. **APPLICATION OF STATISTICAL PROCESS CONTROL FOR PROPER PROCESSING OF THE FORE-SUDETIC MONOCLINE COPPER ORE**
TAŞDEMİR A., Kowalczyk P. B.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.50, no.1, pp.249-264, 2014 (SCI-Expanded)
- IV. **EFFECT OF AUTOCORRELATION ON THE PROCESS CONTROL CHARTS IN MONITORING OF A COAL WASHING PLANT**
Tasdemir A.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.48, no.2, pp.495-512, 2012 (SCI-Expanded)
- V. **IMAGE ANALYSIS OF NARROW SIZE FRACTIONS OBTAINED BY SIEVE ANALYSIS - AN EVALUATION BY LOG-NORMAL DISTRIBUTION AND SHAPE FACTORS**
TAŞDEMİR A., Ozdag H., Onal G.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.46, pp.95-106, 2011 (SCI-Expanded)
- VI. **Gas entrainment rate and flow characterization in downcomer of a Jameson cell**
TAŞDEMİR T., TAŞDEMİR A., Oteyaka B.
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.47, pp.61-78, 2011 (SCI-Expanded)
- VII. **A Comparative Study on PSD Models for Chromite Ores Comminuted by Different Devices**
TAŞDEMİR A., TAŞDEMİR T.
PARTICLE & PARTICLE SYSTEMS CHARACTERIZATION, vol.26, pp.69-79, 2009 (SCI-Expanded)
- VIII. **Fractal evaluation of particle size distributions of chromites in different comminution environments**
Tasdemir A.
MINERALS ENGINEERING, vol.22, no.2, pp.156-167, 2009 (SCI-Expanded)
- IX. **Evaluation of grain size distribution of unbroken chromites**
Tasdemir A.
MINERALS ENGINEERING, vol.21, no.10, pp.711-719, 2008 (SCI-Expanded)
- X. **The effect of particle size and some operating parameters in the separation tank and the downcomer on the Jameson cell recovery**
Tasdemir A., Tasdemir T., Oteyaka B.
MINERALS ENGINEERING, vol.20, no.15, pp.1331-1336, 2007 (SCI-Expanded)
- XI. **Air entrainment rate and holdup in the Jameson cell**
Tasdemir T., Oteyaka B., Tasdemir A.
MINERALS ENGINEERING, vol.20, no.8, pp.761-765, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effect of Secondary Aging of AA7075 Aluminum Alloy to Hardness**
BAKSAN B., TAŞDEMİR A., ÇELİKYÜREK İ.
The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.16, pp.20-25,

2021 (Peer-Reviewed Journal)

- II. **Effect of Secondary Aging of Copper-Chromium Alloys to Electrical Conductivity**
BAKSAN B., ÇELİKÜREK İ., TAŞDEMİR A.
The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.16, pp.63-68,
2021 (Peer-Reviewed Journal)
- III. **Determination ARIMA Model for the Discharge Acid Concentration in Pressure Oxidation Autoclave at A Gold Processing Plant**
TAŞDEMİR A., ÇELİKÜREK İ., BAKSAN B.
The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.16, pp.39-46,
2021 (Peer-Reviewed Journal)
- IV. **Resistance Spot Weld Ability of Mild Steel Coated with Zn, Galvan and ZA12**
ÇELİKÜREK İ., TAŞDEMİR A., BAKSAN B.
The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.16, pp.57-62,
2021 (Peer-Reviewed Journal)
- V. **Investigation of the Effect of Some Factors on Resistance Spot Welding of DKP Steel Using Response Surface Method**
TAŞDEMİR A., BAKSAN B., ÇELİKÜREK İ.
The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.16, pp.145-152,
2021 (Peer-Reviewed Journal)
- VI. **Effect of Alloying on the Microstructure and Strength of the Ni Bronzes**
ÇELİKÜREK İ., BAKSAN B., TAŞDEMİR A.
The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM), vol.16, pp.8-13, 2021
(Peer-Reviewed Journal)
- VII. **Investigation of The Effectiveness of Some Flocculation Parameters by Using Quartz**
Taşdemir T., Taşdemir A.
El-Cezeri Journal of Science and Engineering, vol.5, no.3, pp.807-815, 2018 (Peer-Reviewed Journal)
- VIII. **Determination of Control Limits for Ash Content of Clean Coal Processed by Heavy Medium Drum**
TAŞDEMİR A.
The Online Journal of Science and Technology, vol.7, no.2, pp.41-50, 2017 (Peer-Reviewed Journal)
- IX. **Prediction of Ash Content for Coarse Coal Prepared with Heavy Medium Drum by ARIMA(1,0,1) Model**
TAŞDEMİR A.
The Online Journal of Science and Technology, vol.7, no.1, pp.87-94, 2017 (Peer-Reviewed Journal)
- X. **Determination of the Effects of Operating Parameters on the Residual Turbidity of Quartz Suspensions by Design of Experiments**
Taşdemir A., Taşdemir T.
European Journal of Engineering and Natural Sciences, vol.1, no.1, pp.23-32, 2016 (Scopus)
- XI. **Removal of Fine Particles from Wastewater Using Induced Air Flotation**
TAŞDEMİR T., TAŞDEMİR A., GEÇGEL Y.
TOJSAT-The Online Journal of Science and Technology, vol.1, no.3, pp.14-22, 2011 (Peer-Reviewed Journal)
- XII. **Çeneli Kırıcıda Ufalanan Kromitlerin Tane Şekil Karakterizasyonu**
TAŞDEMİR A., ÖTEYAKA B., ÖZDAĞ H.
Eskişehir Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.21, no.1, 2008 (Peer-Reviewed Journal)
- XIII. **Karaburhan BAnlı Kromit Cevherinin Ufalama Öncesi Tane Boyut Analizi**
TAŞDEMİR A., BOZKURT R.
Dumlupınar Üniversitesi Fen Bilimleri Enstitüsü Dergisi, no.14, pp.87-96, 2007 (Peer-Reviewed Journal)
- XIV. **Jameson Hücrelerinde Önemli Çalışma Parametrelerinin Hava Tutunumu ve Giren Hava Miktarına Etkileri**
TAŞDEMİR T., ÖTEYAKA B., TAŞDEMİR A.
Madencilik, vol.45, no.4, pp.11-18, 2006 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Merkezi Kompozit Tasarımı Kullanılarak Koagüstasyon Floküstasyon Prosesiyle Atıksu Bulanıklığının Giderilmesi**
TAŞDEMİR A.
International Science and Academic Congress, INSAC'2018, Konya, Turkey, 8 - 09 December 2018, pp.40-51
- II. **Kömürün Alt Isıl Değerinin Çoklu Lineer Regresyon İle Tahmininde Değişken Seçiminin Önemi**
TAŞDEMİR A.
International Science and Academic Congress, INSAC'18, Konya, Turkey, 8 - 09 December 2018, pp.65-75
- III. **Friction Welding of Fe3Al and AZ91 Alloys**
TORUN O., BAKSAN B., ÇELİKÜREK İ., TAŞDEMİR A.
2nd International Conference on Innovations in Natural Science and Engineering, Kiev, Ukraine, 7 - 10 September 2018, pp.174-177
- IV. **Microstructure and Strength of Diffusion Bonded Nodular Cast Iron to Pure Copper**
ÇELİKÜREK İ., BAKSAN B., TORUN O., TAŞDEMİR A.
2nd International Conference on Innovations in Natural Science and Engineering, Kiev, Ukraine, 7 - 10 September 2018, pp.42-46
- V. **Optimization of Resistance Spot Welding Conditions for Mild Steel by Response Surface Method**
TORUN O., BAKSAN B., TAŞDEMİR A., ÇELİKÜREK İ.
2nd International Conference on Innovations in Natural Science and Engineering, Kiev, Ukraine, 7 - 10 September 2018, pp.178-184
- VI. **Effect of Cold work to Recrystallization Temperature and Grain Size of Cold Worked Pure Copper**
ÇELİKÜREK İ., BAKSAN B., TORUN O., TAŞDEMİR A.
2nd International Conference on Innovations in Natural Science and Engineering, Kiev, Ukraine, 7 - 10 September 2018, pp.47-51
- VII. **Determination of Parameters Effecting Aging Heat Treatment of AA7075 Aluminum Alloy by Response Surface Method**
BAKSAN B., ÇELİKÜREK İ., TAŞDEMİR A., TORUN O.
4th International Conference on Engineering and Natural Sciences ICENS 2018, Kiev, Ukraine, 2 - 06 May 2018, pp.980-987
- VIII. **Appication of Box-Behnken Experimental Design on Resistance Spot Welding of DKP Steel**
TORUN O., BAKSAN B., TAŞDEMİR A., ÇELİKÜREK İ.
4th International Conference on Engineering and Natural Sciences ICENS 2018, Kiev, Ukraine, 2 - 06 May 2018, pp.348
- IX. **Central Composite Design for Wastewater Treatment by Floc-flocculation in Jameson Cell**
Taşdemir T., Taşdemir A.
4th International Conference on Engineering and Natural Science, Kyiv, Ukraine, 2 - 06 May 2018, pp.349
- X. **Determination of Parameters Effecting Aging Heat Treatment of AA7075 Aluminum Alloy by Response Surface Method**
BAKSAN B., ÇELİKÜREK İ., TAŞDEMİR A., TORUN O.
4th International Conference on Engineering and Natural Science, Kiev, Ukraine, 2 - 06 May 2018, pp.381
- XI. **Normal dağılıma uymayan temiz kömür kısa analiz içeriklerinin normal dağılıma dönüştürülmesi**
TAŞDEMİR A., ATALAY D.
Türkiye 21. Uluslararası Kömür Kongresi, ICCET 2018, Zonguldak, Turkey, 11 - 13 April 2018, pp.355-365
- XII. **Applying the Normalisation Methods for the Coal Net Calorific Values Data and Their Comparison**
TAŞDEMİR A.
International Conference on Engineering and Natural Sciences, 3 - 07 May 2017, pp.550
- XIII. **Some Factors Affecting Flocculation Properties of Fine Quartz Particles**
TAŞDEMİR T., TAŞDEMİR A.
International Conference on Engineering and Natural Science, 3 - 07 May 2017, pp.414
- XIV. **Statistical Process Control of Ash Content for 10 0 5 mm Coal Product of Heavy Medium Cyclone**

- TAŞDEMİR A.
3rd International Conference on Advanced Technology Sciences (ICAT16), 1 - 03 September 2016, pp.1418-1423
- XV. **Prediction of Ash Content for Coarse Coal Prepared with Heavy Medium Drum by ARIMA(1,0,1) Model**
TAŞDEMİR A.
Intertational Science and Technology Conference, ISTE'2016, Viyana, Austria, 13 - 15 July 2016, pp.832-839
- XVI. **Determination of Control Limits for Ash Content of Clean Coal Processed by Heavy Medium Drum**
TAŞDEMİR A.
International Science and Technology Conference, ISTE'2016, Viyana, Austria, 13 - 15 July 2016, pp.279-288
- XVII. **Ni-Al Alaşımının Borlanmasıda Box-Behnken Deney Tasarımının Uygulanması**
TORUN O., TAŞDEMİR A., ÇELİKÜREK İ., BAKSAN B.
1st International Conference on Engineering Technology and Applied Sciences, Afyonkarahisar, Turkey, 21 - 22 April 2016, pp.439
- XVIII. **Estimation of Coal Ash Content Washed in Heavy Medium Cyclone by ARIMA Time Series Model**
TAŞDEMİR A.
1st International Conference on Engineering Technology and Applied Sciences, 21 - 22 April 2016, pp.1399-1406
- XIX. **Determination of the Effects of Operating Parameters on the Residual Turbidity of Quartz Suspensions by Design of Experiments**
TAŞDEMİR A., TAŞDEMİR T.
International Conference on Engineering and Natural Science, ICENS2015, Üsküp, Macedonia, 15 - 19 May 2015, vol.446
- XX. **Application of ARIMA Residuals Chart for Spiral at A Coal Preparation Plant**
TAŞDEMİR A.
23rd International Mining CongressExhibition of Turkey, Antalya, Turkey, 16 - 19 April 2013, pp.1199-1209
- XXI. **Effect of Mixing Conditions on Flocculation**
TAŞDEMİR T., TAŞDEMİR A.
XIIIth International Mineral Processing Symposium, Bodrum, Turkey, 10 - 12 October 2012
- XXII. **Prediction of Chromite Concentrate Recovery in A Chromite Processing Plant by ARIMA Model of Time Series**
TAŞDEMİR A.
XIIIth International Mineral Processing Symposium, Bodrum, Turkey, 10 - 12 October 2012
- XXIII. **The Mean Projected Area Diameters of Chromite Particles on Polished Sections of Sieved Fractions**
TAŞDEMİR A., ÖZDAĞ H., ÖNAL G.
XIV Balkan Mineral Processing Congress, Tuzla, Bosnia And Herzegovina, 14 - 16 June 2011, pp.109-113
- XXIV. **Usage of Box-Behnken Experimental Design for the Flocculation of Quartz Suspensions**
TAŞDEMİR A., TAŞDEMİR T., KILIÇ H.
XIV Balkan Mineral Processing Congress, Tuzla, Bosnia And Herzegovina, 14 - 16 June 2011, pp.250-256
- XXV. **Mermer İşleme Tesisi Atık Sularına Flokülasyon ve Koagülasyon Yöntemlerinin Uygulanması**
TAŞDEMİR T., TAŞDEMİR A.
4. Madencilik ve Çevre Sempozyumu, İzmir, Turkey, 2 - 03 June 2011, pp.293-299
- XXVI. **Grain Size Distribution of Chromite particles in Polished Sections of Sieve Fractions**
TAŞDEMİR A., ÖZDAĞ H., ÖNAL G.
22nd International Mining Congress and Exhibition of Turkey, Ankara, Turkey, 11 - 13 May 2011, pp.367-373
- XXVII. **Box-Behnken Deney Tasarımıyla Doğaltaş İşleme Tesisi Atıksularında Flokülasyon İşleminin Değerlendirilmesi**
TAŞDEMİR T., TAŞDEMİR A., KAKABAYEV H.
Türkiye 22 Uluslararası Madencilik Kongresi ve Sergisi, Ankara, Turkey, 11 - 13 May 2011, pp.309-315
- XXVIII. **Removal of Fine Particles from Wastewater Using Induced Air Flotation**
TAŞDEMİR T., TAŞDEMİR A., GEÇGEL Y.
International Science and Technology Conference, Magosa, Cyprus (Kktc), 27 - 29 October 2010, pp.606-612
- XXIX. **Length Measurements of Narrowly Sieved Quartz Particlesby Image Analysis and Conversion to**

Sieve Size

TAŞDEMİR A., ÖZDAĞ H., ÖNAL G.

XIIth International Mineral Processing Symposium, Kapadokya, Turkey, 6 - 08 October 2010, pp.1015-1023

- XXX. **Use of Different Image Analysis Size Definitions to Compare Sieve Size for Narrowly Sieved Quartz Particles**
TAŞDEMİR A., ÖZDAĞ H., ÖNAL G.
Processing of Industrial Minerals'xx10, İstanbul, Turkey, 4 - 05 January 2010
- XXXI. **Comparison of Geometric Mean Sizes Obtained by Image Analysis and Sieving and Their Correlation**
TAŞDEMİR A., ÖZDAĞ H., ÖNAL G.
The Fourth Asizn Particle Technology Symposium (APT2009), Yeni Delhi, India, 14 - 16 September 2009
- XXXII. **The role of nozzle and downcomer diameter in Jameson Cell**
ÖTEYAKA B., BİLİR K., TAŞDEMİR T., GÜRSOY Y. H., TAŞDEMİR A., KASAP Y.
9th International Mineral Processing Symposium, 18 - 20 September 2002, vol.1, pp.138-140
- XXXIII. **Characterization of Some Minerals using Image Analysis Technique**
TAŞDEMİR A., ÖNAL G., BOZKURT R.
VIII Balkan Mineral Processing Conference, Belgrade, Serbia, 13 - 19 September 1999, pp.19-22
- XXXIV. **Breakage Characterization of Pyrite by Image Analyzer**
BOZKURT R., TAŞDEMİR A., ÇELİK O. N.
7th International Mineral Processing Symposium, İstanbul, Turkey, 15 - 17 September 1998, pp.49-54
- XXXV. **Particle Size Determination of Unbroken Banded Chromite Ore by Image Analyzer**
TAŞDEMİR A., ÖNAL G., BOZKURT R., DOĞAN Z.
XX International Mineral Processing Congress, Aachen, Germany, 21 - 26 September 1997, pp.131-139

Metrics

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H-Index (Scopus): 7