

Prof.Dr. SERHAT AKIN

Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: D-1356-2010

ScopusID: 7005263379

Yoksis Araştırmacı ID: 12090

Biyografi

Prof. Dr. Akin, 1997'de ODTÜ Petrol ve Doğal Gaz Mühendisliği bölümünden doktora derecesi aldı. Daha sonra Stanford Üniversitesi'nde 1997-1998'de Doktora Sonrası Araştırmacı olarak çalışan Dr. Akin 2002'de Doçent ünvanı ve kadrosunu aldı. 2006 yılında Blaustein ziyaretçi profesörü olarak Stanford Üniversitesi Enerji Kaynakları Mühendisliği Bölümünde bulunduktan sonra 2008'de ODTÜ'de profesörlük kadrosuna atanmıştır. Çok sayıda endüstri ve kamu projesinde araştırmacı ve yönetici olarak çalışan Dr. Akin'in 130 dan fazla makale, teknik rapor ve tebliği bulunmaktadır. *SPE Reservoir Evaluation & Engineering, The Scientific Journal, International Journal of Petroleum Science and Technology, the Open Petroleum Engineering Journal ve Turkish Journal of Oil and Gas* dergilerinde editörler kurulunda görev alan Dr. Akin 2001, 2002, 2004 ve 2014'te "SPE Outstanding Technical Editor", 2004 ODTÜ Prof. Dr. Tarık Somer ve 2001 ile 2015 yılları arasında ODTÜ Akademik Performans ödüllerini almıştır. Dr. Akin'in rezervuar mühendisliği, rezervuar simülasyonu, izleyici (tracer) ve kuyu testleri, geliştirilmiş petrol üretimi (EOR) konularında sektörün onde gelen dergilerinde ve toplantılarında yayınları bulunmaktadır.

Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Petrol Mühendisliği (Dr), Türkiye 1991 - 1997

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Petrol ve Doğal Gaz Mühendisliği, Rezervuar Mühendisliği ve İyileştirme Yöntemleri, Jeothermal Rezervuar Mühendisliği, Sondaj Teknikleri ve Kontrol Yöntemleri, Petrol ve Gaz Üretimi, Yeraltı Depolama, Alternatif Yakıtlar ve Enerji Kaynakları, Ekoloji ve Kirlenme, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Doğal Gaz Mühendisliği Bölümü, 2008 - Devam Ediyor

Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Doğal Gaz Mühendisliği Bölümü, 2002 - 2008

Prof.Dr., Stanford University, Mühendislik, Petrol Mühendisliği, 2006 - 2006

Yrd.Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Doğal Gaz Mühendisliği Bölümü, 1999 - 2002

Uzman, Stanford University, Mühendislik, Petrol Mühendisliği, 1997 - 1998

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Doğal Gaz Mühendisliği Bölümü, 1989 - 1997

Akademik İdari Deneyim

Bölüm Başkanı, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Doğal Gaz Mühendisliği Bölümü, 2015 - 2018

Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Doğal Gaz Mühendisliği Bölümü, 2003 - 2010

Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Petrol ve Doğal Gaz Mühendisliği Bölümü, 2000 - 2001

Verdiği Dersler

RESEARCH METHODS AND ETHICS IN PETROLEUM AND NATURAL GAS ENGINEERING, Yüksek Lisans, 2019 - 2020

FLUID FLOW THROUGH POROUS MEDIA, Yüksek Lisans, 2019 - 2020

PETROLEUM ENGINEERING DESIGN I, Lisans, 2018 - 2019

Yönetilen Tezler

AKIN S., Modeling transient flow in fractured shale reservoirs, Doktora, U.KILIÇASLAN(Öğrenci), 2021

AKIN S., Geochemical modeling of NCG injection in a geothermal well using doublet well model, Yüksek Lisans, B.İLGİN(Öğrenci), 2021

AKIN S., Türkiye'de jeotermal bir sahanın karbondioksit üretiminin matematiksel modellenmesi, Yüksek Lisans, B.Kumsal(Öğrenci), 2020

AKIN S., Izotermal olmayan koşullarda matriks -çatlak transferi, Doktora, Y.Tavakkoli(Öğrenci), 2020

AKIN S., Application of fluorescent melamine resin microspheres for use as a geothermal tracer, Yüksek Lisans, M.SALAR(Öğrenci), 2018

AKIN S., Discrete fracture network modeling of alaşehir geothermal field, Yüksek Lisans, H.AYDIN(Öğrenci), 2018

AKIN S., Simulation of geothermal reservoirs with high amount of carbon dioxide, Yüksek Lisans, S.KÜÇÜK(Öğrenci), 2018

AKIN S., Application of artificial neural networks to predict the downhole inclination in directionally drilled geothermal wells, Yüksek Lisans, T.BURAK(Öğrenci), 2018

AKIN S., Experimental investigation of the effect of temperature on friction pressure loss of polymeric drilling fluid through vertical concentric annulus, Yüksek Lisans, K.ONUR(Öğrenci), 2018

AKIN S., Alaşehir jeotermal sahanının ayrık çatlak ağ modellemesi, Yüksek Lisans, H.Aydın(Öğrenci), 2018

AKIN S., Multiscale pore structure characterization and pore network modeling of Middle East carbonates, Doktora, S.ASLI(Öğrenci), 2017

AKIN S., Karbondioksit kullanımı ile geliştirilmiş petrol kurtarımının ve karbondioksit depolamasının belirsizlik durumunda dizayının optimizasyonu, Doktora, S.Bender(Öğrenci), 2016

AKIN S., Modeling of surge and swab pressure of yield power law fluids, Yüksek Lisans, Ö.ERGE(Öğrenci), 2016

AKIN S., Uncertainty quantification by using stochastic approach in pore volume calculation for geothermal reservoir, Yüksek Lisans, E.GÜREL(Öğrenci), 2016

AKIN S., Optimization of CO₂ eor and storage design under uncertainty, Doktora, S.BENDER(Öğrenci), 2016

- AKIN S., Su enjeksiyonu yapılmış sahalardaki kuyulararası etkileşimi ve heterojenliği belirlemek için kapasitans-direnç modellerinin kullanımı, Yüksek Lisans, M.Erkin(Öğrenci), 2015
- AKIN S., Investigation of the effectiveness of electrical and microwave heating for oil shale extraction, Yüksek Lisans, S.GÜVEN(Öğrenci), 2015
- AKIN S., Discrete fracture network modeling and gel injection simulation in fractured carbonates, Yüksek Lisans, A.SOLTANIEH(Öğrenci), 2015
- AKIN S., The use of capacitance-resistive models for estimation of interwell connectivity and heterogeneity in a waterflooded reservoir: A case study, Yüksek Lisans, M.ERKİN(Öğrenci), 2015
- AKIN S., Discrete fracture network modeling in a carbon dioxide flooded heavy oil reservoir, Yüksek Lisans, J.SHIRIYEV(Öğrenci), 2014
- AKIN S., An experimental study on usage of hollow glass spheres (HGS) for reducing mud density in low pressure reservoirs and lost circulation zones, Yüksek Lisans, T.ÇAĞRI(Öğrenci), 2014
- AKIN S., Güneşten üretilen buharın ağır petrol rezervuarlarına enjeksiyonu, Yüksek Lisans, C.Afşar(Öğrenci), 2014
- AKIN S., Steam generated steam injection in heavy oil reservoirs, Yüksek Lisans, C.AFŞAR(Öğrenci), 2014
- AKIN S., YAMAN İ. Ö., An experimental study on the effects of different chloride sources on the properties of API class G cement, Yüksek Lisans, Ö.RAMAZANOĞLU(Öğrenci), 2014
- AKIN S., Quantification of the uncertainties in shale gas reservoirs, a case study for Dadas shale formation, Yüksek Lisans, G.YUSUF(Öğrenci), 2013
- AKIN S., Uncertainties in reservoir limit test results: Effect of input parameters, Yüksek Lisans, G.ALTBAY(Öğrenci), 2013
- AKIN S., Quantification and analysis of uncertainties in reservoir modeling using multiple-point geostatistics, Doktora, M.MOHIELDIN(Öğrenci), 2012
- AKIN S., YAMAN İ. Ö., Utilization of GGBFS blended cement pastes in well cementing, Yüksek Lisans, B.ALP(Öğrenci), 2012
- AKIN S., Prediction of non-darcy flow effects on fluid flow through porous media based on field data, Doktora, E.ALP(Öğrenci), 2012
- AKIN S., Uncertainty evaluation through ranking of simulation models for Bozova oil field, Yüksek Lisans, M.MEHLİKA(Öğrenci), 2011
- AKIN S., Analyzing reservoir thermal behavior by using thermal simulation model (Sector model in stars), Yüksek Lisans, H.SAMADOV(Öğrenci), 2011
- AKIN S., A study of brightwater injection efficiency on sector model using stars software, Yüksek Lisans, N.PASHAYEV(Öğrenci), 2011
- AKIN S., Well test analysis in the presence of carbon dioxide in fractured reservoirs, Yüksek Lisans, T.BAYRAM(Öğrenci), 2011
- AKIN S., Estimation of the formation temperature from the inlet and outlet mud temperatures while drilling geothermal formations, Yüksek Lisans, S.TEKİN(Öğrenci), 2010
- AKIN S., Feasibility study of sequestration of carbon dioxide in geological formations, Yüksek Lisans, Ç.GÜLTEKİN(Öğrenci), 2010
- AKIN S., PARLAKTUNA M., Integration of real-time and dynamic surveillance data in managing Azeri-Chirag-Gunesli field, Yüksek Lisans, S.SADIKHOV(Öğrenci), 2010
- AKIN S., PARLAKTUNA M., Numerical modeling of Balçova geothermal field, Yüksek Lisans, C.POLAT(Öğrenci), 2010
- AKIN S., PARLAKTUNA M., Assessment of reservoir rock and fluid data for black oil simulation?A case study, Yüksek Lisans, O.SUSUZ(Öğrenci), 2009
- AKIN S., PARLAKTUNA M., Numerical simulation of Germencik geothermal field, Yüksek Lisans, A.HAMENDİ(Öğrenci), 2009
- AKIN S., Development of a predictive model for carbon dioxide sequestration in deep saline carbonate aquifers, Yüksek Lisans, S.ANBAR(Öğrenci), 2009
- AKIN S., Prediction of multiphase flow properties from nuclear magnetic resonance imaging, Doktora, T.KARAMAN(Öğrenci), 2009
- AKIN S., Investigation of productivity of heavy oil carbonate reservoirs and oil shales using electrical heating methods, Doktora, B.HASÇAKIR(Öğrenci), 2008
- AKIN S., Designing lost circulation pills for polymer based drill-in fluids, Yüksek Lisans, A.KAHVECİOĞLU(Öğrenci), 2008

- AKIN S., Economics of carbon dioxide sequestration in a mature oil field, Yüksek Lisans, A.SUAD(Öğrenci), 2008
- AKIN S., Çatlaklı ve kovuklu karbonatların gözenek ağ modellemesi, Yüksek Lisans, S.Erzeybek(Öğrenci), 2008
- AKIN S., Uncertainty in well test and core permeability analysis, Yüksek Lisans, C.HAPA(Öğrenci), 2008
- AKIN S., Pore network modelling of fissured and vuggy carbonates, Yüksek Lisans, S.ERZEYBEK(Öğrenci), 2008
- AKIN S., Enhancing petroleum recovery from heavy oil fields by microwave heating, Yüksek Lisans, Ç.ACAR(Öğrenci), 2007
- AKIN S., Lattice boltzmann auromaton model to simulate fluid flow In synthetic fractures, Yüksek Lisans, E.EKER(Öğrenci), 2005
- AKIN S., Experimental and numerical investigation of carbon dioxide sequestration in deep saline aquifers, Yüksek Lisans, Ö.İZGEÇ(Öğrenci), 2005
- AKIN S., Polymer/oil relative permeabilities in carbonate reservoirs, Yüksek Lisans, İ.CANKARA(Öğrenci), 2005
- KÖK M. V., AKIN S., Database development for diamond core dirilling bit selection using field data, Yüksek Lisans, L.GÜZELOĞLU(Öğrenci), 2005
- AKIN S., Boltzmann kafes otomat modeli ile sentetik çatlaklarda sıvı akış simülasyonu, Yüksek Lisans, E.Eker(Öğrenci), 2005
- AKIN S., Comprehensive modeling of gas condensate relative permeability and its influence on field performance, Doktora, H.ÇALIŞGAN(Öğrenci), 2005
- AKIN S., Gözenek ölçekli simulatörlerin kullanımıyla ıslatımlılığın, karışabilir karbon dioksit ötelemesi ve enjeksiyonu üzerindeki etkilerinin anlaşılması, Yüksek Lisans, İ.Uzun(Öğrenci), 2005
- AKIN S., Gözenekli ortamda gaz kondensatın görelî geçirgenlik etkisinin modellenmesi ve saha performansına etkisi, Doktora, H.Çalışgan(Öğrenci), 2005
- AKIN S., Use of pore scale simulators to understand the effects of wettability on miscible carbon dioxide flooding and injectivity, Yüksek Lisans, İ.UZUN(Öğrenci), 2005
- AKIN S., PARLAKTUNA M., Characterization of Kızılcahamam geothermal field by tracer testing, Yüksek Lisans, T.KAYA(Öğrenci), 2005
- AKIN S., Kompleks karbonatlı reservelerde yapay zeka ile kuyu konumlandırması optimizasyonu, Yüksek Lisans, İ.Uraz(Öğrenci), 2004
- AKIN S., Optimiziation of well placement in complex carbonate reservoirs using artificial intelligence, Yüksek Lisans, İ.URAZ(Öğrenci), 2004
- AKIN S., Risk assessment of petroleum transportation pipeline in some Turkish oil fields, Yüksek Lisans, G.ÖĞÜTÇÜ(Öğrenci), 2004
- AKIN S., KÖK M. V., Estimation of expected monetary values of selected Turkish oil fields using two different risk assessment methods, Yüksek Lisans, T.EGEMEN(Öğrenci), 2003
- AKIN S., Application of Vapex (vapour extraction) process on carbonate reservoirs, Yüksek Lisans, Y.YILDIRIM(Öğrenci), 2003
- AKIN S., Automated porosity measurement using image analysis techniques, Yüksek Lisans, C.ULAŞ(Öğrenci), 2002
- TOPAL T., AKIN S., Assessment of slope stability in Ankara clay: A case study along Ankara-Eskişehir e90 highway., Yüksek Lisans, M.Bora(Öğrenci), 2002
- PARLAKTUNA M., AKIN S., Characterization and modeling of Kızıldere geothermal field, Yüksek Lisans, K.Yeltekin(Öğrenci), 2001
- AKIN S., Estimation of fracture relative permeability and capillary pressure functions from unsteady state displacement experiments, Yüksek Lisans, A.KARAMAN(Öğrenci), 2001
- AKIN S., A Study of steam assisted gravity drainage performance in the presence of non-condensable gases, Yüksek Lisans, S.CANBOLAT(Öğrenci), 2001
- AKIN S., Estimation of fracture relative permeability aand capillary pressure functions from unsteady state displacement experiments, Yüksek Lisans, A.Karaman(Öğrenci), 2001

Jüri Üyelikleri

Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama, Orta Doğu Teknik Üniversitesi, Eylül, 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. Numerical modeling of the CO₂ injection in the Kızıldere geothermal field using multiple inter-well tracer tests
Sevindik D. B., Erol S., Akin S.
GEOTHERMICS INTERNATIONAL JOURNAL OF GEOTHERMAL RESEARCH AND ITS APPLICATIONS, cilt.119, ss.1-18, 2024 (SCI-Expanded)
- II. Experimental study and kinetic modeling of high temperature and pressure CO₂ mineralization
Berndsen M., Erol S., AKIN S., Nardini I., Immenhauser A., Nehler M.
International Journal of Greenhouse Gas Control, cilt.132, 2024 (SCI-Expanded)
- III. CO₂ Dissolution in the reservoir brine: An experimental and simulation-based approach
Aydin H., Akin S.
Geothermics, cilt.113, 2023 (SCI-Expanded)
- IV. Experimental and numerical investigation of mining assisted heavy oil production for the Bati Raman field, Turkey
Canbolat S., Öztürk H., Akin S.
GEOENERGY SCIENCE AND ENGINEERING, cilt.223, 2023 (SCI-Expanded)
- V. Modelling reinjection of two-phase non-condensable gases and water in geothermal wells
Leontidis V., Niknam P. H., Durgut İ., Talluri L., Manfrida G., Fiaschi D., Akin S., Gainville M.
APPLIED THERMAL ENGINEERING, cilt.223, ss.1-20, 2023 (SCI-Expanded)
- VI. Update for reactive transport modeling of the Kızıldere geothermal field to reduce uncertainties in the early inspections
Erol S., Akin T., AKIN S.
Turkish Journal of Earth Sciences, cilt.32, sa.4, ss.541-554, 2023 (SCI-Expanded)
- VII. Flow and tracer transport in a single fracture at non-isothermal conditions
Tavakkoli Osguei Y., Akin S.
ARABIAN JOURNAL OF GEOSCIENCES, cilt.15, sa.1723, ss.1-16, 2022 (SCI-Expanded)
- VIII. Advanced workflow for multi-well tracer test analysis in a geothermal reservoir
EROL S., Bayer P., AKIN T., AKIN S.
GEOTHERMICS, cilt.101, 2022 (SCI-Expanded)
- IX. Fluid-CO₂ injection impact in a geothermal reservoir: Evaluation with 3-D reactive transport modeling
EROL S., AKIN T., Baser A., Saracoglu O., AKIN S.
GEOTHERMICS, cilt.98, 2022 (SCI-Expanded)
- X. Exploitation of Bati Raman field using advanced thermal methods: MAHOP VS. CSHP
Canbolat S., Öztürk H., Akin S.
Journal of Petroleum Science and Engineering, cilt.208, 2022 (SCI-Expanded)
- XI. Experimental and numerical study of flow and thermal transport in fractured rock
Tavakkoli Osgouei Y., AKIN S.
HEAT AND MASS TRANSFER, cilt.57, sa.6, ss.1053-1068, 2021 (SCI-Expanded)
- XII. Transient shape factors for dual-porosity simulation of tight rocks
Kilicaslan U., AKIN S.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, cilt.200, 2021 (SCI-Expanded)
- XIII. Estimation of upcoming problems in Alaehir geothermal field using a numerical reservoir model
Aydin H., AKIN S.
ARABIAN JOURNAL OF GEOSCIENCES, cilt.14, sa.7, 2021 (SCI-Expanded)
- XIV. A proxy model for determining reservoir pressure and temperature for geothermal wells

- Aydin H., AKIN S., Senturk E.
Geothermics, cilt.88, 2020 (SCI-Expanded)
- XV. **Geothermal re-injection performance evaluation using surveillance analysis methods**
AKIN S.
Renewable Energy, cilt.139, ss.635-642, 2019 (SCI-Expanded)
- XVI. **Flue gas injection for EOR and sequestration: Case study**
Bender S., AKIN S.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, cilt.157, ss.1093-1105, 2017 (SCI-Expanded)
- XVII. **LIQUEFACTION OF NIGDE-ULUKISLA OIL SHALE: THE EFFECTS OF PROCESS PARAMETERS ON THE CONVERSION OF LIQUEFACTION PRODUCTS**
KARTAL Ö. E., AKIN S., Hascakir B., KARACA H.
OIL SHALE, cilt.34, sa.4, ss.336-353, 2017 (SCI-Expanded)
- XVIII. **Multiscale pore structure characterization of middle east carbonates**
Gundogar A. S., Ross C. M., AKIN S., Kovscek A. R.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, cilt.146, ss.570-583, 2016 (SCI-Expanded)
- XIX. **Solar generated steam injection in heavy oil reservoirs: A case study**
Afsar C., AKIN S.
RENEWABLE ENERGY, cilt.91, ss.83-89, 2016 (SCI-Expanded)
- XX. **Development of a linear predictive model for carbon dioxide sequestration in deep saline carbonate aquifers**
Anbar S., AKIN S.
COMPUTERS & GEOSCIENCES, cilt.37, sa.11, ss.1802-1815, 2011 (SCI-Expanded)
- XXI. **Time-Dependent Shape Factors for Uniform and Non-Uniform Pressure Boundary Conditions**
Rangel-German E. R., Kovscek A. R., AKIN S.
TRANSPORT IN POROUS MEDIA, cilt.83, sa.3, ss.591-601, 2010 (SCI-Expanded)
- XXII. **Optimization of well placement geothermal reservoirs using artificial intelligence**
AKIN S., KÖK M. V., Uraz I.
COMPUTERS & GEOSCIENCES, cilt.36, sa.6, ss.776-785, 2010 (SCI-Expanded)
- XXIII. **Field-Scale Analysis of Heavy-Oil Recovery by Electrical Heating**
Hascakir B., Babadagli T., AKIN S.
SPE RESERVOIR EVALUATION & ENGINEERING, cilt.13, sa.1, ss.131-142, 2010 (SCI-Expanded)
- XXIV. **Recovery of Turkish Oil Shales by Electromagnetic Heating and Determination of the Dielectric Properties of Oil Shales by an Analytical Method**
Hascakir B., AKIN S.
ENERGY & FUELS, cilt.24, sa.1, ss.503-509, 2010 (SCI-Expanded)
- XXV. **Microwave-Assisted Heavy Oil Production: An Experimental Approach**
Hascakir B., Acar C., AKIN S.
ENERGY & FUELS, cilt.23, sa.12, ss.6033-6039, 2009 (SCI-Expanded)
- XXVI. **Application of Vapor Extraction (VAPEX) Process on Carbonate Reservoirs**
KÖK M. V., Yildirim Y., AKIN S.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, cilt.31, sa.5, ss.377-386, 2009 (SCI-Expanded)
- XXVII. **Experimental and Numerical Simulation of Oil Recovery from Oil Shales by Electrical Heating**
Hascakir B., Babadagli T., AKIN S.
ENERGY & FUELS, cilt.22, sa.6, ss.3976-3985, 2008 (SCI-Expanded)
- XXVIII. **CO₂ injection into saline carbonate aquifer formations II: Comparison of numerical simulations to experiments**
Izgec O., Demiral B., Bertin H., AKIN S.
TRANSPORT IN POROUS MEDIA, cilt.73, sa.1, ss.57-74, 2008 (SCI-Expanded)
- XXIX. **CO₂ injection into saline carbonate aquifer formations I: laboratory investigation**
Izgec O., Demiral B., Bertin H., AKIN S.

- TRANSPORT IN POROUS MEDIA, cilt.72, sa.1, ss.1-24, 2008 (SCI-Expanded)
- XXX. **Combination of well log and pore-scale data to predict petrophysical properties of diatomite**
AKIN S., Ross C. M., Kovscek A. R.
- JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, cilt.60, ss.133-149, 2008 (SCI-Expanded)
- XXXI. **Application of vapex process for light crude oil**
KÖK M. V., Yildirim Y., AKIN S.
- ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, cilt.30, sa.1, ss.20-26, 2008 (SCI-Expanded)
- XXXII. **Application of Vapour Extraction VAPEX Process for Light Crude Oil**
KÖK M. V., Yakut Y., Akin S.
- Energy Sources-A, cilt.30, ss.20-26, 2008 (SCI-Expanded)
- XXXIII. **Data base development for drilling bit selection**
KÖK M. V., Guzeloglu L., AKIN S.
- ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, cilt.30, sa.4, ss.377-383, 2008 (SCI-Expanded)
- XXXIV. **Estimating Drilling Parameters for Diamond Bit Drilling Operations Using Artificial Neural Networks**
AKIN S., KARPUZ C.
- INTERNATIONAL JOURNAL OF GEOMECHANICS, cilt.8, sa.1, 2008 (SCI-Expanded)
- XXXV. **Early weight bearing of porous HA/TCP (60/40) ceramics in vivo: A longitudinal study in a segmental bone defect model of rabbit**
Balcik C., Tokdemir T., Senkoylu A., Koc N., Timucin M., Akin S., Korkusuz P., Korkusuz F.
- ACTA BIOMATERIALIA, cilt.3, sa.6, ss.985-996, 2007 (SCI-Expanded)
- XXXVI. **Image processing techniques in foam characterization**
Ozbayoglu E. M., Akin S., Eren T.
- ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, cilt.29, sa.13, ss.1175-1185, 2007 (SCI-Expanded)
- XXXVII. **Lattice Boltzmann simulation of fluid flow in synthetic fractures**
Eker E., Akin S.
- TRANSPORT IN POROUS MEDIA, cilt.65, sa.3, ss.363-384, 2006 (SCI-Expanded)
- XXXVIII. **Estimation of expected monetary values of selected oil fields**
KÖK M. V., Kaya E., AKIN S.
- Energy Sources, Part B: Economics, Planning and Policy, cilt.1, sa.2, ss.213-221, 2006 (SCI-Expanded)
- XXXIX. **Monte Carlo simulation of oil fields**
KÖK M. V., Kaya E., AKIN S.
- Energy Sources, Part B: Economics, Planning and Policy, cilt.1, sa.2, ss.207-211, 2006 (SCI-Expanded)
- XL. **Multiphase-flow properties of fractured porous media**
Rangel-German E., Akin S., Castanier L.
- JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, cilt.51, ss.197-213, 2006 (SCI-Expanded)
- XLI. **Influence of duration of total breast-feeding on bone mineral density in a Turkish population: does the priority of risk factors differ from society to society?**
Dursun N., Akin S., Dursun E., Sade I., Korkusuz F.
- OSTEOPOROSIS INTERNATIONAL, cilt.17, sa.5, ss.651-655, 2006 (SCI-Expanded)
- XLII. **Mathematical modeling of steam-assisted gravity drainage**
Akin S.
- COMPUTERS & GEOSCIENCES, cilt.32, sa.2, ss.240-246, 2006 (SCI-Expanded)
- XLIII. **Vibration analysis of the human radius of elderly men**
Oezdurak R. H., Sezgin O. C., Akin S., Korkusuz F.
- CLINICAL ORTHOPAEDICS AND RELATED RESEARCH, sa.443, ss.94-100, 2006 (SCI-Expanded)
- XLIV. **Asphaltene deposition during steam-assisted gravity drainage: Effect of non-condensable gases**
Canbolat S., Akin S., Kovscek A.
- PETROLEUM SCIENCE AND TECHNOLOGY, cilt.24, sa.1, ss.69-92, 2006 (SCI-Expanded)

- XLV. **Tracer model identification using artificial neural networks**
 Akin S.
 WATER RESOURCES RESEARCH, cilt.41, sa.10, 2005 (SCI-Expanded)
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