

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'ın 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'ın rezervuar mühendisliği, rezervuar simülasyonu, izleyici (tracer) ve kuyu testleri, geliştirilmiş petrol üretimi (EOR) konularında sektörün önde 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., İzotermal olmayan koşullarda matris -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 sahasının 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 dizaynının 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 kuyular arası 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.ALTINBAY(Öğrenci), 2013

AKIN S., Quantification and analysis of uncertainties in reservoir modeling using multiple-point geostatistics, Doktora, M.MOHIELDİN(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-Guneshli 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 rezervlerde yapay zeka ile kuyu konumlandırması optimizasyonu, Yüksek Lisans, İ.Uraz(Öğrenci), 2004

AKIN S., Optimization of well placement in complex cabonate 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

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

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Integrated fracture analysis for improved oil recovery in the reefal limestones of Soğucak formation, Northwest Thrace Basin, Türkiye**
Karaca E., YILMAZ İ. Ö., ÇİFCİ G., Tortopoğlu B., AKIN S.
Marine and Petroleum Geology, cilt.171, 2025 (SCI-Expanded)
- II. **Numerical modeling of the CO₂ injection in the Kizildere geothermal field using multiple inter-well tracer tests**
SEVİNDİK D. B., Erol S., AKIN S.
GEOTHERMICS, cilt.119, 2024 (SCI-Expanded)
- III. **Experimental study and kinetic modeling of high temperature and pressure CO₂ mineralization**
Berndsen M., Erol S., Akin T., AKIN S., Nardini I., Immenhauser A., Nehler M.
International Journal of Greenhouse Gas Control, cilt.132, 2024 (SCI-Expanded)
- IV. **CO₂ Dissolution in the reservoir brine: An experimental and simulation-based approach**
Aydin H., Akin S.
Geothermics, cilt.113, 2023 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **Update for reactive transport modeling of the Kizildere 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)
- VIII. **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)
- IX. **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)
- 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. **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)
- XII. **Experimental and numerical study of flow and thermal transport in fractured rock**
Tavakkoli Osguei Y., AKIN S.
HEAT AND MASS TRANSFER, cilt.57, sa.6, ss.1053-1068, 2021 (SCI-Expanded)
- XIII. **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)

- XIV. **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)
- XV. **A proxy model for determining reservoir pressure and temperature for geothermal wells**
Aydin H., AKIN S., Senturk E.
Geothermics, cilt.88, 2020 (SCI-Expanded)
- XVI. **Geothermal re-injection performance evaluation using surveillance analysis methods**
AKIN S.
Renewable Energy, cilt.139, ss.635-642, 2019 (SCI-Expanded)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- 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. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- 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. **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)
- XLI. **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)
- XLII. **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)
- XLIII. **Mathematical modeling of steam-assisted gravity drainage**
Akin S.
COMPUTERS & GEOSCIENCES, cilt.32, sa.2, ss.240-246, 2006 (SCI-Expanded)
- XLIV. **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)
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