

Prof. SERHAT AKIN

Personal Information

Office Phone: [+90 312 210 4892](tel:+903122104892)

Email: serhat@metu.edu.tr

Web: <https://avesis.metu.edu.tr/serhat>

Biography

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 ödülleri 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.

Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Petrol Mühendisliği (Dr), Turkey 1991 - 1997

Foreign Languages

English, C1 Advanced

Research Areas

Petroleum And Natural Gas Engineering, Reservoir, drill, Production, Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 2008 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 2002 - 2008

Professor, Stanford University, Mühendislik, Petrol Mühendisliği, 2006 - 2006

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 1999 - 2002

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

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 1989 - 1997

Professional Experience

Head of Department, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 2015 - Continues

Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 2003 - 2010

Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Department of Petroleum and Natural Gas Engineering, 2000 - 2001

Courses

RESEARCH METHODS AND ETHICS IN PETROLEUM AND NATURAL GAS ENGINEERING, Post Graduate, 2019 - 2020

FLUID FLOW THROUGH POROUS MEDIA, Post Graduate, 2019 - 2020

PETROLEUM ENGINEERING DESIGN I, Under Graduate, 2018 - 2019

Advising Theses

AKIN S., Matrix-fracture transfer in non-isothermal conditions, Doctorate, Y.Tavakkoli(Student), 2020

AKIN S., Mathematical modelling of geothermal carbon dioxide production in a specific field in Turkey., Post Graduate, B.Kumsal(Student), 2020

AKIN S., Discrete fracture network modeling in Alaşehir geothermal field, Post Graduate, H.Aydın(Student), 2018

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

AKIN S., Discrete fracture network modeling of alaşehir geothermal field, Post Graduate, H.AYDIN(Student), 2018

AKIN S., Simulation of geothermal reservoirs with high amount of carbon dioxide, Post Graduate, S.KÜÇÜK(Student), 2018

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

AKIN S., Application of fluorescent melamine resin microspheres for use as a geothermal tracer, Post Graduate, M.SALAR(Student), 2018

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

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

AKIN S., Uncertainty quantification by using stochastic approach in pore volume calculation for geothermal reservoir, Post Graduate, E.GÜREL(Student), 2016

AKIN S., Modeling of surge and swab pressure of yield power law fluids, Post Graduate, Ö.ERGE(Student), 2016

AKIN S., Optimization of CO₂ EOR and storage design under uncertainty, Doctorate, S.Bender(Student), 2016

AKIN S., The use of capacitance-resistive models for estimation of interwell connectivity and heterogeneity in a waterflooded reservoir: A case study, Post Graduate, M.ERKİN(Student), 2015

AKIN S., The Use of capacitance-resistive models for estimation of interwell connectivity & heterogeneity in a waterflooded reservoir: a case study, Post Graduate, M.Erkin(Student), 2015

AKIN S., Discrete fracture network modeling and gel injection simulation in fractured carbonates, Post Graduate, A.SOLTANIEH(Student), 2015

AKIN S., Investigation of the effectiveness of electrical and microwave heating for oil shale extraction, Post Graduate, S.GÜVEN(Student), 2015

AKIN S., An experimental study on usage of hollow glass spheres (HGS) for reducing mud density in low pressure reservoirs and lost circulation zones, Post Graduate, T.ÇAĞRI(Student), 2014

AKIN S., Discrete fracture network modeling in a carbon dioxide flooded heavy oil reservoir, Post Graduate, J.SHIRIYEV(Student), 2014

AKIN S., YAMAN İ. Ö. , An experimental study on the effects of different chloride sources on the properties of API class G cement, Post Graduate, Ö.RAMAZANOĞLU(Student), 2014

AKIN S., Solar generated steam injection in heavy oil reservoirs, Post Graduate, C.Afşar(Student), 2014

AKIN S., Steam generated steam injection in heavy oil reservoirs, Post Graduate, C.AFŞAR(Student), 2014

AKIN S., Uncertainties in reservoir limit test results: Effect of input parameters, Post Graduate, G.ALTINBAY(Student), 2013

AKIN S., Quantification of the uncertainties in shale gas reservoirs, a case study for Dadas shale formation, Post Graduate, G.YUSUF(Student), 2013

AKIN S., YAMAN İ. Ö. , Utilization of GGBFS blended cement pastes in well cementing, Post Graduate, B.ALP(Student), 2012

AKIN S., Prediction of non-darcy flow effects on fluid flow through porous media based on field data, Doctorate, E.ALP(Student), 2012

AKIN S., Quantification and analysis of uncertainties in reservoir modeling using multiple-point geostatistics, Doctorate, M.MOHIELDIN(Student), 2012

AKIN S., A study of brightwater injection efficiency on sector model using stars software, Post Graduate, N.PASHAYEV(Student), 2011

AKIN S., Uncertainty evaluation through ranking of simulation models for Bozova oil field, Post Graduate, M.MEHLİKA(Student), 2011

AKIN S., Analyzing reservoir thermal behavior by using thermal simulation model (Sector model in stars), Post Graduate, H.SAMADOV(Student), 2011

AKIN S., Well test analysis in the presence of carbon dioxide in fractured reservoirs, Post Graduate, T.BAYRAM(Student), 2011

AKIN S., Estimation of the formation temperature from the inlet and outlet mud temperatures while drilling geothermal formations, Post Graduate, S.TEKİN(Student), 2010

PARLAKTUNA M., AKIN S., Integration of real-time and dynamic surveillance data in managing Azeri-Chirag-Guneshli field, Post Graduate, S.SADİKHOV(Student), 2010

PARLAKTUNA M., AKIN S., Numerical modeling of Balçova geothermal field, Post Graduate, C.POLAT(Student), 2010

AKIN S., Feasibility study of sequestration of carbon dioxide in geological formations, Post Graduate, Ç.GÜLTEKİN(Student), 2010

PARLAKTUNA M., AKIN S., Numerical simulation of Germencik geothermal field, Post Graduate, A.HAMENDİ(Student), 2009

AKIN S., Development of a predictive model for carbon dioxide sequestration in deep saline carbonate aquifers, Post Graduate, S.ANBAR(Student), 2009

AKIN S., Prediction of multiphase flow properties from nuclear magnetic resonance imaging, Doctorate, T.KARAMAN(Student), 2009

PARLAKTUNA M., AKIN S., Assessment of reservoir rock and fluid data for black oil simulation?A case study, Post Graduate, O.SUSUZ(Student), 2009

AKIN S., Economics of carbon dioxide sequestration in a mature oil field, Post Graduate, A.SUAD(Student), 2008

AKIN S., Investigation of productivity of heavy oil carbonate reservoirs and oil shales using electrical heating methods, Doctorate, B.HASÇAKIR(Student), 2008

AKIN S., Uncertainty in well test and core permeability analysis, Post Graduate, C.HAPA(Student), 2008

AKIN S., Designing lost circulation pills for polymer based drill-in fluids, Post Graduate, A.KAHVECİOĞLU(Student), 2008

AKIN S., Pore network modeling of fissured and vuggy carbonates, Post Graduate, S.Erzeybek(Student), 2008

AKIN S., Pore network modelling of fissured and vuggy carbonates, Post Graduate, S.ERZEYBEK(Student), 2008

AKIN S., Enhancing petroleum recovery from heavy oil fields by microwave heating, Post Graduate, Ç.ACAR(Student), 2007

AKIN S., Comprehensive modelling of gas condensate relative permeability and its influence on field performance,

Doctorate, H.Çalışgan(Student), 2005
PARLAKTUNA M., AKIN S., Characterization of Kızılcahamam geothermal field by tracer testing, Post Graduate, T.KAYA(Student), 2005
AKIN S., Comprehensive modeling of gas condensate relative permeability and its influence on field performance, Doctorate, H.ÇALIŞGAN(Student), 2005
AKIN S., Lattice boltzmann auromaton model to simulate fluid flow In synthetic fractures, Post Graduate, E.EKER(Student), 2005
AKIN S., Polymer/oil relative permeabilities in carbonate reservoirs, Post Graduate, İ.CANKARA(Student), 2005
KÖK M. V. , AKIN S., Database development for diamond core dirilling bit selection using field data, Post Graduate, L.GÜZELOĞLU(Student), 2005
AKIN S., Use of pro scale simulators to understand the effects of wettability on miscible carbon dioxide flooding and injectivity, Post Graduate, İ.Uzun(Student), 2005
AKIN S., Lattice boltzmann automaton model to simulate fluid flow in synthetic fractures, Post Graduate, E.Eker(Student), 2005
AKIN S., Experimental and numerical investigation of carbon dioxide sequestration in deep saline aquifers, Post Graduate, Ö.İZGEÇ(Student), 2005
AKIN S., Use of pore scale simulators to understand the effects of wettability on miscible carbon dioxide flooding and injectivity, Post Graduate, İ.UZUN(Student), 2005
AKIN S., Optimization of well placement in complex carbonate reservoirs using artificial intelligence, Post Graduate, İ.Uraz(Student), 2004
AKIN S., Risk assessment of petroleum transportation pipeline in some Turkish oil fields, Post Graduate, G.ÖĞÜTÇÜ(Student), 2004
AKIN S., Optimiziation of well placement in complex cabonate reservoirs using artificial intelligence, Post Graduate, İ.URAZ(Student), 2004
KÖK M. V. , AKIN S., Estimation of expected monetary values of selected Turkish oil fields using two different risk assessment methods, Post Graduate, T.EGEMEN(Student), 2003
AKIN S., Application of Vapex (vapour extraction) process on carbonate reservoirs, Post Graduate, Y.YILDIRIM(Student), 2003
AKIN S., Automated porosity measurement using image analysis techniques, Post Graduate, C.ULAŞ(Student), 2002
TOPAL T., AKIN S., Assessment of slope stability in Ankara clay: A case study along Ankara-Eskişehir e90 highway., Post Graduate, M.Bora(Student), 2002
AKIN S., A Study of steam assisted gravity drainage performance in the presence of non-condensable gases, Post Graduate, S.CANBOLAT(Student), 2001
PARLAKTUNA M., AKIN S., Characterization and modeling of Kızıldere geothermal field, Post Graduate, K.Yeltekin(Student), 2001
AKIN S., Estimation of fracture relative permeability and capillary pressure functions from unsteady state displacement experiments, Post Graduate, A.KARAMAN(Student), 2001
AKIN S., Estimation of fracture relative permeability aand capillary pressure functions from unsteady state displacement experiments, Post Graduate, A.Karaman(Student), 2001

Jury Memberships

Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, September, 2019
Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, June, 2019
Appointment Academic Staff, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, June, 2019

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. Transient shape factors for dual-porosity simulation of tight rocks**

Kilicaslan U., AKIN S.

JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.200, 2021 (Journal Indexed in SCI)

- II. **Estimation of upcoming problems in Alaehir geothermal field using a numerical reservoir model**
Aydin H., AKIN S.
ARABIAN JOURNAL OF GEOSCIENCES, vol.14, no.7, 2021 (Journal Indexed in SCI)
- III. **Experimental and numerical study of flow and thermal transport in fractured rock**
Tavakkoli Osgouei Y., AKIN S.
HEAT AND MASS TRANSFER, 2021 (Journal Indexed in SCI)
- IV. **A proxy model for determining reservoir pressure and temperature for geothermal wells**
Aydin H., AKIN S., Senturk E.
Geothermics, vol.88, 2020 (Journal Indexed in SCI)
- V. **Geothermal re-injection performance evaluation using surveillance analysis methods**
AKIN S.
Renewable Energy, vol.139, pp.635-642, 2019 (Journal Indexed in SCI)
- VI. **Flue gas injection for EOR and sequestration: Case study**
Bender S., AKIN S.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.157, pp.1093-1105, 2017 (Journal Indexed in SCI)
- VII. **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, vol.34, no.4, pp.336-353, 2017 (Journal Indexed in SCI)
- VIII. **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, vol.146, pp.570-583, 2016 (Journal Indexed in SCI)
- IX. **Solar generated steam injection in heavy oil reservoirs: A case study**
Afsar C., AKIN S.
RENEWABLE ENERGY, vol.91, pp.83-89, 2016 (Journal Indexed in SCI)
- X. **Development of a linear predictive model for carbon dioxide sequestration in deep saline carbonate aquifers**
Anbar S., AKIN S.
COMPUTERS & GEOSCIENCES, vol.37, no.11, pp.1802-1815, 2011 (Journal Indexed in SCI)
- XI. **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, vol.83, no.3, pp.591-601, 2010 (Journal Indexed in SCI)
- XII. **Optimization of well placement geothermal reservoirs using artificial intelligence**
AKIN S., KÖK M. V. , Uraz I.
COMPUTERS & GEOSCIENCES, vol.36, no.6, pp.776-785, 2010 (Journal Indexed in SCI)
- XIII. **Field-Scale Analysis of Heavy-Oil Recovery by Electrical Heating**
Hascakir B., Babadagli T., AKIN S.
SPE RESERVOIR EVALUATION & ENGINEERING, vol.13, no.1, pp.131-142, 2010 (Journal Indexed in SCI)
- XIV. **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, vol.24, no.1, pp.503-509, 2010 (Journal Indexed in SCI)
- XV. **Microwave-Assisted Heavy Oil Production: An Experimental Approach**
Hascakir B., Acar C., AKIN S.
ENERGY & FUELS, vol.23, no.12, pp.6033-6039, 2009 (Journal Indexed in SCI)
- XVI. **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, vol.31, no.5, pp.377-386, 2009 (Journal Indexed in SCI)

- XVII. **Experimental and Numerical Simulation of Oil Recovery from Oil Shales by Electrical Heating**
Hascakir B., Babadagli T., AKIN S.
ENERGY & FUELS, vol.22, no.6, pp.3976-3985, 2008 (Journal Indexed in SCI)
- XVIII. **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, vol.73, no.1, pp.57-74, 2008 (Journal Indexed in SCI)
- XIX. **CO2 injection into saline carbonate aquifer formations I: laboratory investigation**
Izgec O., Demiral B., Bertin H., AKIN S.
TRANSPORT IN POROUS MEDIA, vol.72, no.1, pp.1-24, 2008 (Journal Indexed in SCI)
- XX. **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, vol.60, pp.133-149, 2008 (Journal Indexed in SCI)
- XXI. **Estimating Drilling Parameters for Diamond Bit Drilling Operations Using Artificial Neural Networks**
AKIN S., KARPUZ C.
INTERNATIONAL JOURNAL OF GEOMECHANICS, vol.8, no.1, 2008 (Journal Indexed in SCI)
- XXII. **Application of vapex process for light crude oil**
KÖK M. V., Yildirim Y., AKIN S.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.30, no.1, pp.20-26, 2008 (Journal Indexed in SCI)
- XXIII. **Data base development for drilling bit selection**
KÖK M. V., Guzeloglu L., AKIN S.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.30, no.4, pp.377-383, 2008 (Journal Indexed in SCI)
- XXIV. **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., Senkoğlu A., Koc N., Timucin M., Akin S., Korkusuz P., Korkusuz F.
ACTA BIOMATERIALIA, vol.3, no.6, pp.985-996, 2007 (Journal Indexed in SCI)
- XXV. **Image processing techniques in foam characterization**
Ozbayoglu E. M., Akin S., Eren T.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.29, no.13, pp.1175-1185, 2007 (Journal Indexed in SCI)
- XXVI. **Lattice Boltzmann simulation of fluid flow in synthetic fractures**
Eker E., Akin S.
TRANSPORT IN POROUS MEDIA, vol.65, no.3, pp.363-384, 2006 (Journal Indexed in SCI)
- XXVII. **Estimation of expected monetary values of selected oil fields**
KÖK M. V., Kaya E., AKIN S.
Energy Sources, Part B: Economics, Planning and Policy, vol.1, no.2, pp.213-221, 2006 (Journal Indexed in SCI)
- XXVIII. **Monte Carlo simulation of oil fields**
KÖK M. V., Kaya E., AKIN S.
Energy Sources, Part B: Economics, Planning and Policy, vol.1, no.2, pp.207-211, 2006 (Journal Indexed in SCI)
- XXIX. **Multiphase-flow properties of fractured porous media**
Rangel-German E., Akin S., Castanier L.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.51, pp.197-213, 2006 (Journal Indexed in SCI)
- XXX. **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, vol.17, no.5, pp.651-655, 2006 (Journal Indexed in SCI)
- XXXI. **Mathematical modeling of steam-assisted gravity drainage**
Akin S.
COMPUTERS & GEOSCIENCES, vol.32, no.2, pp.240-246, 2006 (Journal Indexed in SCI)

- XXXII. **Vibration analysis of the human radius of elderly men**
Oezdurak R. H. , Sezgin O. C. , Akin S., Korkusuz F.
CLINICAL ORTHOPAEDICS AND RELATED RESEARCH, no.443, pp.94-100, 2006 (Journal Indexed in SCI)
- XXXIII. **Asphaltene deposition during steam-assisted gravity drainage: Effect of non-condensable gases**
Canbolat S., Akin S., Kovscek A.
PETROLEUM SCIENCE AND TECHNOLOGY, vol.24, no.1, pp.69-92, 2006 (Journal Indexed in SCI)
- XXXIV. **Tracer model identification using artificial neural networks**
Akin S.
WATER RESOURCES RESEARCH, vol.41, no.10, 2005 (Journal Indexed in SCI)
- XXXV. **Limitations of three-phase Buckley-Leverett theory**
Akin S., Demiral M.
ENERGY SOURCES, vol.27, no.9, pp.857-865, 2005 (Journal Indexed in SCI)
- XXXVI. **Spontaneous imbibition in low permeability carbonates**
Hatiboglu C., Karaaslan U., Akin S.
ENERGY SOURCES, vol.27, no.9, pp.839-846, 2005 (Journal Indexed in SCI)
- XXXVII. **Mathematical modeling of steam-assisted gravity drainage**
AKIN S.
SPE Reservoir Evaluation and Engineering, vol.8, no.5, pp.372-376, 2005 (Journal Indexed in SCI)
- XXXVIII. **Noncondensable gas steam-assisted gravity drainage**
Canbolat S., Akin S., Kovscek A.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.45, pp.83-96, 2004 (Journal Indexed in SCI)
- XXXIX. **On the estimation of kinetic parameters of organic matters using linearization methods**
Uraz I., AKIN S., KÖK M. V.
Computers and Geosciences, vol.30, no.7, pp.761-766, 2004 (Journal Indexed in SCI)
- XL. **Comparison of landing maneuvers between male and female college volleyball players**
Salci Y., Kentel B., Heycan C., Akin S., Korkusuz F.
CLINICAL BIOMECHANICS, vol.19, no.6, pp.622-628, 2004 (Journal Indexed in SCI)
- XLI. **A new computerized moving stage for optical microscopes**
Hatiboglu C., Akin S.
COMPUTERS & GEOSCIENCES, vol.30, no.5, pp.471-481, 2004 (Journal Indexed in SCI)
- XLII. **Bone mineral density of lumbar spine and proximal femur in healthy males**
Akin S., Isikli S., Korkusuz F., Ungan M., Senkoylu A.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.259, no.2, pp.361-364, 2004 (Journal Indexed in SCI)
- XLIII. **Precision of a dual energy X-ray absorptiometry device**
Forkusuz F., Isikli S., Akin S., Ungan M., Senkoylu A., Aras N.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.259, no.3, pp.365-368, 2004 (Journal Indexed in SCI)
- XLIV. **Computer tomography in petroleum engineering research**
AKIN S., Kovscek A.
Geological Society Special Publication, vol.215, pp.23-38, 2003 (Journal Indexed in SCI Expanded)
- XLV. **Integrated nonlinear regression analysis of tracer and well test data**
Akin S.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.39, pp.29-44, 2003 (Journal Indexed in SCI)
- XLVI. **Studies of waterflooding in low-permeable chalk by use of X-ray CT scanning [J. Pet. Sci. Eng. 32 (2001) 1-10]**
Akin S.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.36, pp.127-129, 2002 (Journal Indexed in SCI)
- XLVII. **Heavy-oil solution gas drive: a laboratory study**
Akin S., Kovscek A.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.35, pp.33-48, 2002 (Journal Indexed in SCI)

- XLVIII. Experimental and numerical analysis of dry forward combustion with diverse well configuration**
AKIN S., Bagci S., KÖK M. V.
Energy and Fuels, vol.16, no.4, pp.892-903, 2002 (Journal Indexed in SCI)
- XLIX. Application of artificial neural networks to optimum bit selection**
Yilmaz S., Demircioglu C., Akin S.
COMPUTERS & GEOSCIENCES, vol.28, no.2, pp.261-269, 2002 (Journal Indexed in SCI)
- L. Personal computer application of well test analysis techniques**
AKIN S., KÖK M. V.
Energy Sources, vol.24, no.1, pp.9-18, 2002 (Journal Indexed in SCI)
- LI. Application of predictive Enhanced Oil Recovery models on a very heavy oil field**
KÖK M. V., AKIN S.
Energy Sources, vol.23, no.10, pp.907-916, 2001 (Journal Indexed in SCI)
- LII. A laboratory study of single-well steam-assisted gravity drainage process**
Akin S., Bagci S.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.32, no.1, pp.23-33, 2001 (Journal Indexed in SCI)
- LIII. Estimation of fracture relative permeabilities from unsteady state corefloods**
Akin S.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.30, no.1, pp.1-14, 2001 (Journal Indexed in SCI)
- LIV. Analysis of tracer tests with simple spreadsheet models**
Akin S.
COMPUTERS & GEOSCIENCES, vol.27, no.2, pp.171-178, 2001 (Journal Indexed in SCI)
- LV. Effect of flow rate on imbibition three-phase relative permeabilities and capillary pressures**
Akin S., Demiral M.
ENERGY SOURCES, vol.23, no.2, pp.127-135, 2001 (Journal Indexed in SCI)
- LVI. Spontaneous imbibition characteristics of diatomite**
Akin S., Schembre J., Bhat S., Kavscek A.
Journal of Petroleum Science and Engineering, vol.25, pp.149-165, 2000 (Journal Indexed in SCI)
- LVII. Assessment of mineral density and atomic content of fracture callus by quantitative computerized tomography**
Korkusuz F., AKIN S., Akkuş O., KORKUSUZ P.
Journal of Orthopaedic Science, vol.5, no.3, pp.248-255, 2000 (Journal Indexed in SCI Expanded)
- LVIII. Bone density and biochemical markers in rheumatoid arthritis**
Akin S., Gulec O., Beyazova M., Korkusuz F.
OSTEOPOROSIS INTERNATIONAL, vol.11, 2000 (Journal Indexed in SCI)
- LIX. Genetic algorithm for estimating multiphase flow functions from unsteady-state displacement experiments**
AKIN S., Demiral B.
Computers and Geosciences, vol.24, no.3, pp.251-258, 1998 (Journal Indexed in SCI)
- LX. An integrated study of drilling fluid shaly rock interactions - A key to solve wellbore instability problems**
Kuru E., Demiral B., Akin S., Kerem M., Gagatay B.
OIL GAS-EUROPEAN MAGAZINE, vol.24, no.1, pp.25-29, 1998 (Journal Indexed in SCI)
- LXI. Relation between mechanical stiffness and vibration transmission of fracture callus: an experimental study on rabbit tibia**
Akkus O., Korkusuz F., Akin S., Akkas N.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, vol.212, pp.327-336, 1998 (Journal Indexed in SCI)
- LXII. A novel method of porosity measurement utilizing computerized tomography**
Akin S., Demiral M., Okandan E.
IN SITU, vol.20, no.4, pp.347-365, 1996 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Effect of temperature on heavy oil/water relative permeabilities**
Akin S., Castanier L. M. , Brigham W. E.
SPE Reprint Series, no.61, 2008 (Refereed Journals of Other Institutions)
- II. **Near Critical Gas Condensate Relative Permeability of Carbonates**
Çalışgan H., AKIN S.
The Open Petroleum Engineering Journal, vol.1, pp.30-41, 2008 (Refereed Journals of Other Institutions)
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- AKIN S., Project Supported by Other Private Institutions, GÜRMAT Germencik İzleyici Testi Danışmanlık Hizmetleri, 2016 - 2016
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- AKIN S., İzmir Jeotermal A.Ş. Balçova-Narlidere ve Seferihisar sahaları rezervuar mühendisliği çalışmaları , 2008 - 2009
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AKIN S., Türkiye Petrolleri Anonim Ortaklığı Personeline Eğitim verilmesi, 2008 - 2008

AKIN S., B.Raman Sahası Üretim Artırma Projesi Rezervuar Mod. ve Sim. Hizmetleri, 2006 - 2008

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Activities in Scientific Journals

Computers & Geosciences, Committee Member, 2012 - Continues

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Citations

Total Citations (WOS):904

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Awards

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