

Prof. ABİDİN TEMEL

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği Abd, Turkey 1987 - 1992

Research Areas

Geological Engineering, Ore Deposits-Geochemistry, Engineering and Technology

Academic Titles / Tasks

Professor, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2002 - Continues

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 1996 - 2002

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 1994 - 1996

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 1984 - 1994

Academic and Administrative Experience

Dean, Hacettepe University, Mühendislik Fakültesi, 2012 - 2016

Head of Department, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2000 - 2006

Deputy Head of Department, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2000 - 2006

Advising Theses

Temel A., İncirlik-fethiye (Ankara) yöresindeki sedimanter birimlerin mineralojik ve jeokimyasal özelliklerinin incelenmesi, Postgraduate, S.SEVİNÇ(Student), 2023

Temel A., Beypazarı (Ankara) kuzeyindeki volkanik kayaçların petrolojisi ve jeokimyası, Doctorate, A.ALPAY(Student), 2023

Temel A., Çimento üretim prosesinde döner fırın baca gazı CO2 emisyonunun azaltılması için yöntem geliştirilmesi, Doctorate, D.BENZER(Student), 2023

Temel A., GÜNEYDOĞU ANADOLU BÖLGESİ DADAŞ FORMASYONU'NUN ORGANİK VE İNORGANİK JEOKİMYASAL ÖZELLİKLERİ, Doctorate, Y.İNAL(Student), 2020

Temel A., Eskişehir - Alpu yöresindeki sedimanter birimlerin mineralojik ve jeokimyasal incelenmesi, Postgraduate, B.SARPBELLİ(Student), 2018

- Temel A., Magnezyum oksiklorür çimentosu ile pomza katkılı hafif yapı malzemesi üretilmesi, Postgraduate, C.GÜVEN(Student), 2017
- Temel A., Beypazarı-Çayırhan yöresindeki sedimanter birimlerin mineralojik ve jeokimyasal incelenmesi, Postgraduate, Ö.UYANIK(Student), 2016
- TEMEL A., Chronological, Magmatological and Geochemical Study of Post-Collisional Basaltic Volcanism in Central Anatolia and Its Spatio-Temporal Evolution, Doctorate, G.DENİZ(Student), 2015
- Temel A., Eskişehir yöresindeki volkanik kayaçların petrolojisi ve jeokimyası, Doctorate, S.TELSİZ(Student), 2011
- Temel A., Emet (Kütahya) borat havzası volkanosedimanter çökellerin mineralojisi ve jeokimyası, Postgraduate, Z.NAZLI(Student), 2010
- Temel A., Ankara (Gölbaşı güneydoğusu?Sincan) volkanitlerinin petrolojisi ve jeokimyası, Doctorate, T.GÖRMÜŞ(Student), 2009
- Temel A., Boyabat yöresi (Sinop) volkanik kayaçlarının petrolojisi ve jeokimyası, Doctorate, N.YEŞİLÖREN(Student), 2009
- TEMEL A., Kırka (Eskişehir) borat havzasının mineralojisi ve jeokimyası, Postgraduate, T.ŞAHİN(Student), 2009
- Temel A., Yenice (Ankara güneyi) volkanitlerinin kökeni ve tektonikle ilişkisi, Postgraduate, S.ÇORMAN(Student), 2008
- Temel A., Kızıldere (Denizli)ve Ömerbeyli (Aydın) jeotermal alanında gelişen hidrotermal alterasyon minerallerinin incelenmesi, Postgraduate, Z.ÖZLEM(Student), 2007
- Temel A., Orhaniye (Ankara) yöresindeki sedimanter ve magmatik birimlerin mineralojik ve jeokimyasal özelliklerinin incelenmesi, Postgraduate, M.ORKUN(Student), 2007
- Temel A., Cemilköy ignimbiritinin (Kapadokya) petrolojisi ve jeokimyası, Postgraduate, G.DENİZ(Student), 2006
- Temel A., Çubuk (Ankara) yöresi volkanik kayaçlarının mineralojisi, petrografisi ve jeokimyası, Postgraduate, B.GÜL(Student), 2006
- Temel A., Çamlıdere (Ankara kuzeybatısı) yöresi volkanik kayaçlarının petrolojisi ve jeokimyası, Doctorate, E.VAROL(Student), 2006
- Temel A., Polatlı yöresindeki neojen yaşlı sedimanter birimlerin mineralojik ve jeokimyasal incelenmesi, Postgraduate, N.AKDAĞ(Student), 2005
- Temel A., Sazılar (Polatlı) yöresindeki neojen yaşlı sedimanter birimlerin mineralojik ve jeokimyasal incelenmesi, Postgraduate, S.PINAR(Student), 2005
- Temel A., Güvem (Ankara) volkanitlerinin mineralojisi, petrografisi ve jeokimyası, Postgraduate, S.TELSİZ(Student), 2004
- Temel A., Anadolu'daki kuvaterner yaşlı bazaltik volkaniklerin kökeni, Doctorate, P.ALICI(Student), 2002
- Temel A., Balkuyumcu (GB Ankara) volkanitlerinin petrolojisi ve jeokimyası, Postgraduate, E.VAROL(Student), 2001
- Temel A., Erciyes stratovolkanı'nın jeokimyasal evrimi, Doctorate, B.KÜRKÇÜOĞLU(Student), 2000
- Temel A., Gölcük (Isparta) volkanitlerinin petrolojik ve jeokimyasal özellikleri, Postgraduate, P.ALICI(Student), 1997

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Geological evidence of extensive N-fixation by volcanic lightning during very large explosive eruptions**
Aroskay A., Martin E., Bekki S., Le Pennec J., Savarino J., Temel A., Manrique N., Aguilar R., Rivera M., Guillou H., et al.
Proceedings of the National Academy of Sciences of the United States of America, vol.121, no.7, pp.1-6, 2024 (SCI-Expanded)
- II. **Vertical variations of minerals in clayey sedimentary rocks in the cores of two-deep exploration wells from the Kozlu coalfield (Zonguldak, NW Türkiye), with emphasis on tonstein (schiefer-ton) formation**
KARAYİĞİT A. İ., Cicioğlu Sütcü E., TEMEL A., Gündoğdu M. N.
Turkish Journal of Earth Sciences, vol.31, no.6, pp.597-621, 2022 (SCI-Expanded)
- III. **Pre-eruptive PTX fluid-conditions of the Afyon Volcanic Complex (Western Anatolia, Turkey): Studies of natural rocks and phase equilibria experiments**
KÜLAHCI G. D., Cichy S. B., TEMEL A., Spallanzani R.

Lithos, vol.398-399, 2021 (SCI-Expanded)

- IV. **Mineralogical and geochemical properties and genesis of kaolin and alunite deposits SE of Aksaray (Central Turkey)**
Karakaya M. C., Karakaya N., TEMEL A., Yavuz F.
APPLIED GEOCHEMISTRY, vol.124, 2021 (SCI-Expanded)
- V. **Temporal changes in geochemical-isotopic systematics of the late Pleistocene Akkaya travertines (Turkey) - Implications for fluid flow circulation and seismicity**
Yildirim G., Mutlu H., KARABACAK V., Uysal I. T., Dirik K., TEMEL A., YÜCE G., Zhao J.
GEOCHEMISTRY, vol.80, no.4, 2020 (SCI-Expanded)
- VI. **Layered double hydroxide–borate composites supported on magnetic nanoparticles: preparation, characterization and molecular dynamics simulations**
AY A. N., Zumreoglu-Karan B., Kalinichev A. G., Rives V., Trujillano R., TEMEL A.
Journal of Porous Materials, vol.27, no.3, pp.735-743, 2020 (SCI-Expanded)
- VII. **Geochemistry of Fluid Inclusions in Travertines From Western and Northern Turkey: Inferences on the Role of Active Faults in Fluids Circulation**
Rizzo A. L., Uysal I. T., Mutlu H., Unal-Imer E., Dirik K., YÜCE G., Caracausi A., Italiano F., Misseri M., TEMEL A., et al.
GEOCHEMISTRY GEOPHYSICS GEOSYSTEMS, vol.20, no.11, pp.5473-5498, 2019 (SCI-Expanded)
- VIII. **Contemporaneous alkaline and calc-alkaline series in Central Anatolia (Turkey): Spatio-temporal evolution of a post-collisional Quaternary basaltic volcanism**
Dogan-Kulahci G. D., TEMEL A., GOURGAUD A., Varol E., GUILLOU H., DENIEL C.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.356, pp.56-74, 2018 (SCI-Expanded)
- IX. **Mineralogical and petrological features of the Cemilkoy ignimbrite, Cappadocia, Turkey**
Dogan-Kulahci G. D., TEMEL A., GOURGAUD A.
CHEMIE DER ERDE-GEOCHEMISTRY, vol.78, no.1, pp.103-115, 2018 (SCI-Expanded)
- X. **Complex remanent magnetization in the Kizilkaya ignimbrite (central Anatolia): Implication for paleomagnetic directions**
AGRO A., ZANELLA E., LE PENNEC J. L., TEMEL A.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.336, pp.68-80, 2017 (SCI-Expanded)
- XI. **Determining the main strand of the Eskisehir strike-slip fault zone using subsidiary structures and seismicity: a hypothesis tested by seismic reflection studies**
Seyitoglu G., Ecevitoglu G. B., Kaypak B., Guney Y., Tun M., Esat K., Avdan U., Temel A., Cabuk A., Telsiz S., et al.
TURKISH JOURNAL OF EARTH SCIENCES, vol.24, pp.1-20, 2015 (SCI-Expanded)
- XII. **Petrogenesis of the Neogene bimodal magmatism of the Galatean Volcanic Province, Central Anatolia, Turkey**
Varol E., Temel A., Yurur T., Gourgaud A., Bellon H.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.280, pp.14-29, 2014 (SCI-Expanded)
- XIII. **MINERALOGICAL AND CHEMICAL PROPERTIES AND THE ORIGIN OF TWO TYPES OF ANALCIME IN SW ANKARA, TURKEY**
Karakaya N., Karakaya M. C., Temel A.
CLAYS AND CLAY MINERALS, vol.61, pp.231-257, 2013 (SCI-Expanded)
- XIV. **Clay mineral distribution in last Glacial-Holocene sediment cores from the eastern Marmara Sea (Cinarcik Basin-Izmit Gulf Transition), NW-Turkey: Multisources and transport paths in a two-way flow system**
ERGİN M., BAYHAN E., TEMEL A.
QUATERNARY INTERNATIONAL, vol.261, pp.53-74, 2012 (SCI-Expanded)
- XV. **Chemical and Ultramorphologic Effects of Ethylenediaminetetraacetic Acid and Sodium Hypochlorite in Young and Old Root Canal Dentin**
Ozdemir H. O., Buzoglu H., Calt S., Cehreli Z. C., Varol E., TEMEL A.
JOURNAL OF ENDODONTICS, vol.38, no.2, pp.204-208, 2012 (SCI-Expanded)
- XVI. **MINERALOGICAL AND GEOCHEMICAL CHARACTERISTICS AND GENESIS OF THE SEPIOLITE DEPOSITS AT POLATLI BASIN (ANKARA, TURKEY)**

- Karakaya M. C., KARAKAYA N., TEMEL A.
CLAYS AND CLAY MINERALS, vol.59, no.3, pp.286-314, 2011 (SCI-Expanded)
- XVII. **Layered double hydroxides with interlayer borate anions: A critical evaluation of synthesis methodology and pH-independent orientations in nano-galleries**
AY A. N., Zumreoglu-Karan B., TEMEL A., Mafra L.
APPLIED CLAY SCIENCE, vol.51, no.3, pp.308-316, 2011 (SCI-Expanded)
- XVIII. **Different Degrees of Partial Melting of the Enriched Mantle Source for Plio-Quaternary Basic Volcanism, Toprakkale (Osmaniye) Region, Southern Turkey**
Bagci U., Alpaslan M., Frei R., Kurt M. A., TEMEL A.
TURKISH JOURNAL OF EARTH SCIENCES, vol.20, no.1, pp.115-135, 2011 (SCI-Expanded)
- XIX. **Alkaline series related to Early-Middle Miocene intra-continental rifting in a collision zone: An example from Polati, Central Anatolia, Turkey**
TEMEL A., YURUR T., ALICI P., Varol E., GOURGAUD A., BELLON H., Demirbag H.
JOURNAL OF ASIAN EARTH SCIENCES, vol.38, no.6, pp.289-306, 2010 (SCI-Expanded)
- XX. **Deciphering factors controlling trace element distribution in the soils of Karaduvar industrial-agricultural area (Mersin, SE Turkey)**
GÜLER C., ALPASLAN M., KURT M. A., TEMEL A.
ENVIRONMENTAL EARTH SCIENCES, vol.60, no.1, pp.203-218, 2010 (SCI-Expanded)
- XXI. **Bioinorganic Magnetic Core-Shell Nanocomposites Carrying Antiarthritic Agents: Intercalation of Ibuprofen and Glucuronic Acid into Mg-Al-Layered Double Hydroxides Supported on Magnesium Ferrite**
AY A. N., Zumreoglu-Karan B., TEMEL A., RİVES V.
INORGANIC CHEMISTRY, vol.48, no.18, pp.8871-8877, 2009 (SCI-Expanded)
- XXII. **Geochemistry of late stage medium to high K calc alkaline and shoshonitic dykes in the Ulukişla Basin Central Anatolia Turkey Petrogenesis and tectonic setting**
KURT M. A., ALPASLAN M., GÖNCÜOĞLU C., TEMEL A.
Geochemistry International, vol.46, pp.1145-1163, 2008 (SCI-Expanded)
- XXIII. **A paleoenvironmental test of the Messinian Salinity Crisis using Miocene-Pliocene clays in the Adana Basin, Southern Turkey**
DARBAŞ G., NAZİK A., TEMEL A., Guerbuez K.
APPLIED CLAY SCIENCE, vol.40, pp.108-118, 2008 (SCI-Expanded)
- XXIV. **The use of cation packing index for characterizing the weathering degree of granitic rocks**
CERYAN Ş., Zorlu K., GÖKÇEOĞLU C., TEMEL A.
ENGINEERING GEOLOGY, vol.98, pp.60-74, 2008 (SCI-Expanded)
- XXV. **Textural and Compositional Evidence for Magma Mixing in the Evolution of the Camlidere Volcanic Rocks (Galatean Volcanic Province), Central Anatolia, Turkey**
Varol E., Temel A., Gourgaud A.
TURKISH JOURNAL OF EARTH SCIENCES, vol.17, no.4, pp.709-727, 2008 (SCI-Expanded)
- XXVI. **Age and geochemistry of middle to late Carnian basalts from the Alakircay NAPPE (Antalya Nappes, SW Turkey): Implications for the evolution of the southern branch of Neotethys**
Varol E., Tekin U. K., Temel A.
OFIOLITI, vol.32, no.2, pp.163-176, 2007 (SCI-Expanded)
- XXVII. **Geochemistry of the Pliocene basalts erupted along the Malatya Ovacik fault zone MOFZ eastern Anatolia Turkey Implications for source characteristics and partial melting processes**
EKİCİ T., ALPASLAN M., PARLAK O., TEMEL A.
Chemie Der Erde-Geochemistry, vol.67, pp.201-212, 2007 (SCI-Expanded)
- XXVIII. **Early miocene adakite-like volcanism in the balkuyumcu region, central Anatolia, Turkey: Petrology and geochemistry**
Varol E., Temel A., Gourgaud A., Bellon H.
JOURNAL OF ASIAN EARTH SCIENCES, vol.30, pp.613-628, 2007 (SCI-Expanded)
- XXIX. **Two-stage felsic volcanism in the western part of the southeastern Anatolian orogen: Petrologic and**

geodynamic implications

YILMAZ H., ALPASLAN M., TEMEL A.

INTERNATIONAL GEOLOGY REVIEW, vol.49, no.2, pp.120-141, 2007 (SCI-Expanded)

- XXX. **Boron removal by hydrotalcite-like, carbonate-free Mg-Al-NO₇-LDH and a rationale on the mechanism**
AY A. N., ZUEMREOGLU-KARAN B., TEMEL A.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.98, pp.1-5, 2007 (SCI-Expanded)
- XXXI. **Geochemical and Pb Sr Nd isotopic composition of the ultrapotassic volcanic rocks from the extension related Çamardı Ulukışla basin Niğde Province Central Anatolia Turkey**
ALPASLAN M., BOZTUĞ D., FREI R., TEMEL A., KURT M. A.
Journal Of Asian Earth Sciences, vol.27, pp.613-627, 2006 (SCI-Expanded)
- XXXII. **Magmatic processes and mixing origin of andesite: Miocene Karamagara volcanics, central Anatolia, Turkey**
ALPASLAN M., EKİCİ T., OTLU N., BOZTUĞ D., TEMEL A.
GEOLOGICAL JOURNAL, vol.40, no.2, pp.193-214, 2005 (SCI-Expanded)
- XXXIII. **Stratigraphy and age of the Cappadocia ignimbrites, Turkey: reconciling field constraints with paleontologic, radiochronologic, geochemical and paleomagnetic data**
Le Pennec J., Temel A., Froger J., Sen S., Gourgaud A., Bourdier J.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.141, pp.45-64, 2005 (SCI-Expanded)
- XXXIV. **Mineralogy of holocene Sediments from the Southwestern Black Sea Shelf (Turkey) in relation to provenance, sea-level and current regimes**
Bayhan E., ERGİN M., Temel A., Keskin E. T.
ACTA GEOLOGICA SINICA-ENGLISH EDITION, vol.79, no.4, pp.552-563, 2005 (SCI-Expanded)
- XXXV. **Geochemistry of post-collision Pliocene-Quaternary Karasar basalt (Divriği-Sivas, Eastern Turkey): Evidence for partial melting processes**
Alpaslan M., Yilmaz H., Temel A.
GEOLOGICA CARPATHICA, vol.55, no.6, pp.487-500, 2004 (SCI-Expanded)
- XXXVI. **Geochemical and Pb-Sr-Nd isotopic constraints indicating an enriched-mantle source for late Cretaceous to early Tertiary volcanism, Central Anatolia, Turkey**
Alpaslan M., Frei R., Boztug D., Kurt M., Temel A.
INTERNATIONAL GEOLOGY REVIEW, vol.46, no.11, pp.1022-1041, 2004 (SCI-Expanded)
- XXXVII. **Mineralogical and chemical characterization of sepiolite occurrences at Karapınar (Konya Basin, Turkey)**
KARAKAYA N., Karakaya M., TEMEL A., KÜPELİ Ş., TUNOĞLU C.
CLAYS AND CLAY MINERALS, vol.52, no.4, pp.495-509, 2004 (SCI-Expanded)
- XXXVIII. **Interaction of asthenospheric and lithospheric mantle: The genesis of calc-alkaline volcanism at Erciyes Volcano, central Anatolia, Turkey**
Kurkcuoğlu B., Sen E., Temel A., Aydar E., Gourgaud A.
INTERNATIONAL GEOLOGY REVIEW, vol.46, no.3, pp.243-258, 2004 (SCI-Expanded)
- XXXIX. **Petrogenetic modelling of Quaternary post-collisional volcanism: a case study of central and eastern Anatolia**
Sen P., TEMEL A., GOURGAUD A.
GEOLOGICAL MAGAZINE, vol.141, no.1, pp.81-98, 2004 (SCI-Expanded)
- XL. **Some textural and geochemical evidences on mixing and mingling in the genesis of Karamagara Volcanics, Saraykent-Yozgat, Central Anatolia, Turkey**
Alpaslan M., Otlu N., Ekici T., Temel A., Boztug D.
GEOCHIMICA ET COSMOCHIMICA ACTA, vol.66, 2002 (SCI-Expanded)
- XLI. **Petrographic and Geochemical Evidences indicating the crustal assimilation in the within-plate basalts: Karasar Basalt (Divriği-Sivas, Central Anatolia, Turkey)**
Yilmaz H., Alpaslan M., Temel A.
GEOCHIMICA ET COSMOCHIMICA ACTA, vol.66, 2002 (SCI-Expanded)

- XLII. Petrology and geochemistry of Camlidere volcanic rocks, Central Anatolia, Turkey: Preliminary results**
 Varol E., Temel A., Yurur T.
 GEOCHIMICA ET COSMOCHIMICA ACTA, vol.66, 2002 (SCI-Expanded)
- XLIII. Pb Nd Sr isotope and trace element geochemistry of Quaternary extension related alkaline volcanism a case study of Kula region western Anatolia Turkey**
 ALICI SEN P., TEMEL A., GOURGAUD A.
 Journal Of Volcanology And Geothermal Research, vol.115, pp.487-510, 2002 (SCI-Expanded)
- XLIV. Kaolin occurrences in the Erenler Dagi volcanics, southwest Konya Province, Turkey**
 Karakaya M., Karakaya N., Temel A.
 INTERNATIONAL GEOLOGY REVIEW, vol.43, no.8, pp.711-721, 2001 (SCI-Expanded)
- XLV. Post-collisional miocene alkaline volcanism in the Oglakci region, Turkey: Petrology and geochemistry**
 Temel A.
 INTERNATIONAL GEOLOGY REVIEW, vol.43, no.7, pp.640-660, 2001 (SCI-Expanded)
- XLVI. Trace-element modeling and source constraints for tholeiitic and calc-alkaline basalts from a depleted asthenospheric mantle source, Mt. Erciyes Stratovolcano, Turkey**
 Kurkcuglu B., Sen E., Temel A., Aydar E., Gourgaud A.
 INTERNATIONAL GEOLOGY REVIEW, vol.43, no.6, pp.508-522, 2001 (SCI-Expanded)
- XLVII. Sedimentology and mineralogy of surficial bottom deposits from the Aegean-Canakkale-Marmara transition (Eastern Mediterranean): effects of marine and terrestrial factors**
 Bayhan E., Ergin M., Temel A., Keskin S.
 MARINE GEOLOGY, vol.175, pp.297-315, 2001 (SCI-Expanded)
- XLVIII. Quaternary tholeiitic to alkaline volcanism in the Karasu Valley, Dead Sea rift zone, Southeast Turkey: Sr-Nd-Pb-O isotopic and trace-element approaches to crust-mantle interaction**
 Alici P., Temel A., Gourgaud A., Vidal P., Gundogdu M.
 INTERNATIONAL GEOLOGY REVIEW, vol.43, no.2, pp.120-138, 2001 (SCI-Expanded)
- XLIX. Petrographic and geochemical evidence for magma mixing and crustal contamination in the post-collisional calc-alkaline Yozgat volcanics, Central Anatolia, Turkey**
 Alpaslan M., Temel A.
 INTERNATIONAL GEOLOGY REVIEW, vol.42, no.9, pp.850-863, 2000 (SCI-Expanded)
- L. Clay minerals in hydrothermally altered volcanic rocks, Eastern Pontides, Turkey**
 Celik M., KARAKAYA N., Temel A.
 CLAYS AND CLAY MINERALS, vol.47, no.6, pp.708-717, 1999 (SCI-Expanded)
- LI. Quality palynology and palaeoenvironmental interpretation of the Ilgin lignite Turkey**
 KARAYIĞIT A. İ., AKGÜN F., GAYER R., TEMEL A.
 International Journal Of Coal Geology, vol.38, pp.219-236, 1999 (SCI-Expanded)
- LII. Petrological and geochemical characteristics of Cenozoic high K calc alkaline volcanism in Konya Central Anatolia Turkey**
 TEMEL A., GÜNDOĞDU M. N., GOURGAUD A.
 Journal Of Volcanology And Geothermal Research, vol.85, pp.327-354, 1998 (SCI-Expanded)
- LIII. Petrology and geochemistry of potassic rocks in the Gölcük area Isparta SW Turkey genesis of enriched alkaline magmas**
 ALICI P., TEMEL A., GOURGAUD A., KIEFFER G., GÜNDOĞDU M. N.
 Journal Of Volcanology And Geothermal Research, vol.85, pp.423-446, 1998 (SCI-Expanded)
- LIV. Major element trace element and Sr Nd isotopic geochemistry and genesis of Varto Muş volcanic rocks Eastern Turkey**
 BUKET E., TEMEL A.
 Journal Of Volcanology And Geothermal Research, vol.85, pp.405-422, 1998 (SCI-Expanded)
- LV. Ignimbrites of Cappadocia Central Anatolia Turkey petrology and geochemistry**
 TEMEL A., GÜNDOĞDU M. N., GOURGAUD A., LE PENNEC J. L.

Journal Of Volcanology And Geothermal Research, vol.85, pp.447-471, 1998 (SCI-Expanded)

- LVI. **Geological mineralogical and geochemical characteristics of zeolite deposits associated with borates in the Bigadic Emet and Kirka Neogene lacustrine basins western Turkey**
GÜNDOĞDU M. N., YALÇIN H., TEMEL A., CLAUER N.
Mineralium Deposita, 1996 (SCI-Expanded)
- LVII. **Zeolite occurrences and the erionite-mesothelioma relationship in Cappadocia, central anatolia, Turkey**
Temel A., Gundogdu M.
MINERALIUM DEPOSITA, vol.31, no.6, pp.539-547, 1996 (SCI-Expanded)
- LVIII. **Neogene ignimbrites of the Nevşehir plateau Central Turkey stratigraphy distribution and source constraints**
JAEN LUC L. P., BOURDIÈR J. L., FROGER J. L., TEMEL A., CAMUS G., GOURGAUD A.
Journal Of Volcanology And Geothermal Research, vol.63, pp.59-87, 1994 (SCI-Expanded)

Articles Published in Other Journals

- I. **Geochemical insights into mantle metasomatism from cogenetic plutonic xenoliths in pyroclastic deposits of Gölcük volcano and their alkaline host rocks (Isparta, SW Turkey)**
Şen P., ŞEN E., TEMEL A., Kieffer G., Gourgaud A.
Mediterranean Geoscience Reviews, vol.4, no.2, pp.247-272, 2022 (Scopus)
- II. **Afyon Volkaniklerinin Batı Anadolu Türkiye Mineralojik Petrografik Özellikleri ve P T Hesaplamaları**
DOĞAN KÜLAHCI G. D., TEMEL A., GOURGAUD A., DEMİRBAĞ H.
Yerbilimleri dergisi, 2015 (Peer-Reviewed Journal)
- III. **Magnetic fabric of ignimbrites: a case study from the Central Anatolian Volcanic Province**
Agro A., Zanella E., Le Pennec J., TEMEL A.
USE OF PALAEOMAGNETISM AND ROCK MAGNETISM TO UNDERSTAND VOLCANIC PROCESSES, vol.396, pp.159-175, 2015 (Scopus)
- IV. **Mineralogical and Geochemical characteristics of Quaternary Sediments from the Area Between Delicay and Tarsus (Berdan) Rivers**
KURT M. A., ALPASLAN M., TEMEL A., GÜLER C.
TÜRKİYE JEOLOJİ BULTENİ-GEOLOGICAL BULLETIN OF TURKEY, vol.57, no.1, pp.1-17, 2014 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Türkiye Borat Yataklarının Jeolojisi, Mineralojisi ve Kökeni**
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