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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Mineraloji-Petrografi, Turkey 1996 - 2002

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Mineraloji-Petrografi, Turkey 1992 - 1996

Undergraduate, Karadeniz Technical University, Mühendislik Ve Mimarlık Fakültesi, Jeoloji Mühendisliği, Turkey 1988 - 1992

Dissertations

Doctorate, Granitoid kayaçlarda magma etkileşimleri için petrografik, mineralojik ve kimyasal bulgular: Dölek ve Sarıççek plütonları (Gümüşhane, KD-Türkiye), Karadeniz Technical University, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği, 2002

Postgraduate, Zigana granitoyidi'nin (Maçka-Trabzon) mineralojik ve jeenetik açıdan incelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği, 1996

Research Areas

Geological Engineering, Mineralogy-petrography, Petrography and Petrology, Engineering and Technology

Academic Titles / Tasks

Professor, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Jeoloji Mühendisliği, 2011 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sedimentological and geochemical characteristics of Lower Jurassic Sandstones from Gumushane, NE Turkey: implications for source to sink processes, paleoenvironmental conditions, provenance and tectonic settings**
KANDEMİR R., ÖZYURT M., KARSLI O.
INTERNATIONAL GEOLOGY REVIEW, vol.64, no.12, pp.1719-1742, 2022 (SCI-Expanded)
- II. **Cenozoic temporal variation of crustal thickness in the Urumieh-Dokhtar and Alborz magmatic belts, Iran**
Sepidbar F., KARSLI O., Palin R. M., Casetta F.
LITHOS, vol.400, 2021 (SCI-Expanded)
- III. **Petrogenesis and U-Pb zircon geochronology of migmatization during Neo-Tethyan Jurassic magmatic arc extension: The Boroujerd example, western Iran**
Zare-Shooli M., Tahmasbi Z., Ao S., Zhang H., Saki A., Ahmadi-Khalaji A., Yakymchuk C., Esmaeili R., KARSLI O.

LITHOS, vol.398, 2021 (SCI-Expanded)

- IV. **Nature of the Early Cretaceous lamprophyre and high-Nb basaltic dykes, NE Turkey: Constraints on their linkage to subduction initiation of Neotethyan oceanic lithosphere**
KARSLI O., İlhan M., KANDEMİR R., DOKUZ A., AYDIN F., UYSAL İ., Duygu L.
LITHOS, vol.380, 2021 (SCI-Expanded)
- V. **Tracking the birth and growth of Cimmeria: Geochronology and origins of intrusive rocks from NW Iran**
Moghadam H. S., Li Q., Griffin W. L., KARSLI O., Santos J. F., Ottley C. J., Ghorbani G., O'Reilly S. Y.
GONDWANA RESEARCH, vol.87, pp.188-206, 2020 (SCI-Expanded)
- VI. **Zircon U-Pb, geochemical and isotopic constraints on the age and origin of A- and I-type granites and gabbro-diorites from NW Iran**
Moghadam H. S., Li Q., Griffin W. L., Stern R. J., Chiaradia M., KARSLI O., Ghorbani G., O'Reilly S. Y., Pourmohsen M.
LITHOS, vol.374, 2020 (SCI-Expanded)
- VII. **Silurian to Early Devonian arc magmatism in the western Sakarya Zone (NW Turkey), with inference to the closure of the Rheic Ocean**
KARSLI O., ŞENGÜN F., DOKUZ A., KANDEMİR R., AYDIN F., Andersen T.
LITHOS, vol.370, 2020 (SCI-Expanded)
- VIII. **Melting of the juvenile lower crust in a far-field response to roll-back of the southern Neotethyan oceanic lithosphere: the Oligocene adakitic dacites, NE Turkey**
KARSLI O., CARAN Ş., ÇOBAN H., ŞENGÜN F., Tekkanat O., Andersen T.
LITHOS, vol.370, 2020 (SCI-Expanded)
- IX. **Tracking the timing of Neotethyan oceanic slab break-off: Geochronology and geochemistry of the quartz diorite porphyries, NE Turkey**
KARSLI O., DOKUZ A., AYDIN F., UYSAL İ., ŞENGÜN F., KANDEMİR R., Santos J. F., Andersen T.
JOURNAL OF ASIAN EARTH SCIENCES, vol.200, 2020 (SCI-Expanded)
- X. **The Paleogene ophiolite conundrum of the Iran-Iraq border region**
Moghadam H. S., Li Q., Stern R. J., Chiaradia M., KARSLI O., Rahimzadeh B.
JOURNAL OF THE GEOLOGICAL SOCIETY, vol.177, no.5, pp.955-964, 2020 (SCI-Expanded)
- XI. **Sediment-derived melt-related metasomatized mantle wedge as a source of post-subduction Quaternary adakitic porphyries associated with absarokite-shoshonite from the Karadag stratovolcano (Karaman, Central Anatolia, Turkey)**
ÇOBAN H., KARSLI O., CARAN Ş., YILMAZ K.
JOURNAL OF ASIAN EARTH SCIENCES, vol.196, 2020 (SCI-Expanded)
- XII. **Temporal, geochemical and geodynamic evolution of the Late Cretaceous subduction zone volcanism in the eastern Sakarya Zone, NE Turkey: Implications for mantle-crust interaction in an arc setting**
AYDIN F., OĞUZ SAKA S., ŞEN C., DOKUZ A., Aiglsperger T., UYSAL İ., Kandemir R., Karsli O., San B., Baser R.
JOURNAL OF ASIAN EARTH SCIENCES, vol.192, 2020 (SCI-Expanded)
- XIII. **Postcollisional transition from subduction- to intraplate-type magmatism in the eastern Sakarya zone, Turkey: Indicators of northern Neotethyan slab breakoff**
DOKUZ A., AYDIN F., Karsli O.
GEOLOGICAL SOCIETY OF AMERICA BULLETIN, vol.131, pp.1623-1642, 2019 (SCI-Expanded)
- XIV. **Adakite-like parental melt generation by partial fusion of juvenile lower crust, Sakarya Zone, NE Turkey: A far-field response to break-off of the southern Neotethyan oceanic lithosphere**
Karşlı O., Dokuz A., Kandemir R., AYDIN F., SCHMITT A. K., Ersoy E. Y., ALYILDIZ C.
LITHOS, vol.338, pp.58-72, 2019 (SCI-Expanded)
- XV. **What processes control the genesis of absarokite to shoshonite-banakitite series in an intracontinental setting, as revealed by geochemical and Sr-Nd-Pb isotope data of Karadag Stratovolcano in Central Anatolia, Turkey**
ÇOBAN H., Karsli O., CARAN Ş., YILMAZ K.
LITHOS, vol.324, pp.609-625, 2019 (SCI-Expanded)
- XVI. **Latest Cretaceous "A(2)-type" granites in the Sakarya Zone, NE Turkey: Partial melting of mafic**

lower crust in response to roll-back of Neo-Tethyan oceanic lithosphere

Karsli O., AYDIN F., UYSAL İ., DOKUZ A., Kumral M., Kandemir R., Budakoğlu M., Ketenci M.

LITHOS, vol.302, pp.312-328, 2018 (SCI-Expanded)

- XVII. **Crustal Evolution of NW Iran: Cadomian Arcs, Archean Fragments and the Cenozoic Magmatic Flare-Up**
Moghadam H. S., Griffin W. L., Li X., Santos J. F., Karsli O., Stern R. J., Ghorbani G., Gain S., Murphy R., O'Reilly S. Y.
JOURNAL OF PETROLOGY, vol.58, no.11, pp.2143-2190, 2017 (SCI-Expanded)
- XVIII. **Petrogenesis of ultramafic rocks from the eastern Orhaneli ophiolite, NW Turkey: Hints on the initiation and evolution of melt-peridotite interaction processes within a heterogeneously depleted mantle section**
UYSAL İ., Dokuz A., KAPSIOTIS A., Saka S., Karsli O., KALIWODA M., MUELLER D.
JOURNAL OF ASIAN EARTH SCIENCES, vol.148, pp.51-64, 2017 (SCI-Expanded)
- XIX. **Zircon Lu-Hf isotope systematics and U-Pb geochronology, whole-rock Sr-Nd isotopes and geochemistry of the early Jurassic Gokcedere pluton, Sakarya Zone-NE Turkey: a magmatic response to roll-back of the Paleo-Tethyan oceanic lithosphere**
Karshi O., Dokuz A., Kandemir R.
CONTRIBUTIONS TO MINERALOGY AND PETROLOGY, vol.172, no.5, 2017 (SCI-Expanded)
- XX. **Late Jurassic Magmatism and Stratigraphy in the Eastern Sakarya Zone, Turkey: Evidence for the Slab Breakoff of Paleotethyan Oceanic Lithosphere**
Dokuz A., Aydinçakir E., Kandemir R., Karshi O., SIEBEL W., DERMAN A. S., Turan M.
JOURNAL OF GEOLOGY, vol.125, no.1, pp.1-31, 2017 (SCI-Expanded)
- XXI. **Subduction-related Late Carboniferous to Early Permian Magmatism in the Eastern Pontides, the Camlik and Casurluk plutons: Insights from geochemistry, whole-rock Sr-Nd and in situ zircon Lu-Hf isotopes, and U-Pb geochronology**
Karshi O., Dokuz A., Kandemir R.
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- XXII. **Geochemistry, Re-Os isotopes and highly siderophile element abundances in the Eastern Pontide peridotites (NE Turkey): Multiple episodes of melt extraction-depletion, melt-rock interaction and fertilization of the Rheic Ocean mantle**
Dokuz A., Uysal İ., Dilek Y., Karshi O., Meisel T., Kandemir R.
GONDWANA RESEARCH, vol.27, no.2, pp.612-628, 2015 (SCI-Expanded)
- XXIII. **Geochemical fingerprints of Late Triassic calc-alkaline lamprophyres from the Eastern Pontides, NE Turkey: A key to understanding lamprophyre formation in a subduction-related environment**
Karshi O., Dokuz A., KALIWODA M., UYSAL İ., AYDIN F., Kandemir R., FEHR K.
LITHOS, vol.196, pp.181-197, 2014 (SCI-Expanded)
- XXIV. **Geochemical make-up of oceanic peridotites from NW Turkey and the multi-stage melting history of the Tethyan upper mantle**
UYSAL İ., SEN A. D., Ersoy E. Y., Dilek Y., Saka S., Zaccarini F., ESCAYOLA M., Karsli O.
MINERALOGY AND PETROLOGY, vol.108, no.1, pp.49-69, 2014 (SCI-Expanded)
- XXV. **Geochemical modelling of early Eocene adakitic magmatism in the Eastern Pontides, NE Anatolia: continental crust or subducted oceanic slab origin?**
Karshi O., UYSAL İ., Dilek Y., AYDIN F., Kandemir R.
INTERNATIONAL GEOLOGY REVIEW, vol.55, no.16, pp.2083-2095, 2013 (SCI-Expanded)
- XXVI. **Deciphering the shoshonitic monzonites with I-type characteristic, the Sisdağı pluton, NE Turkey: Magmatic response to continental lithospheric thinning**
KARSLI O., DOKUZ A., UYSAL İ., Ketenci M., CHEN B., KANDEMİR R.
JOURNAL OF ASIAN EARTH SCIENCES, vol.51, pp.45-62, 2012 (SCI-Expanded)
- XXVII. **A-type granitoids from the Eastern Pontides, NE Turkey: Records for generation of hybrid A-type rocks in a subduction-related environment**
Karsli O., CARAN Ş., Dokuz A., Coban H., CHEN B., Kandemir R.
TECTONOPHYSICS, vol.530, pp.208-224, 2012 (SCI-Expanded)

- XXVIII. **Coexistence of abyssal and ultra-depleted SSZ type mantle peridotites in a Neo-Tethyan Ophiolite in SW Turkey: Constraints from mineral composition, whole-rock geochemistry (major-trace-REE-PGE), and Re-Os isotope systematics**
 UYSAL İ., Ersoy E. Y., Karsli O., Dilek Y., Sadiklar M. B., Ottley C. J., TIEPOLO M., MEISEL T.
 LITHOS, vol.132, pp.50-69, 2012 (SCI-Expanded)
- XXIX. **Adakite-like granitoid porphyries in the Eastern Pontides, NE Turkey: Potential parental melts and geodynamic implications**
 Karsli O., Ketenci M., UYSAL İ., Dokuz A., AYDIN F., CHEN B., Kandemir R., Wijbrans J.
 LITHOS, vol.127, pp.354-372, 2011 (SCI-Expanded)
- XXX. **Early abyssal- and late SSZ-type vestiges of the Rheic oceanic mantle in the Variscan basement of the Sakarya Zone, NE Turkey: Implications for the sense of subduction and opening of the Paleotethys**
 Dokuz A., UYSAL İ., KALIWODA M., Karsli O., Ottley C. J., Kandemir R.
 LITHOS, vol.127, pp.176-191, 2011 (SCI-Expanded)
- XXXI. **Relative contributions of crust and mantle to generation of Campanian high-K calc-alkaline I-type granitoids in a subduction setting, with special reference to the Harsit Pluton, Eastern Turkey**
 Karsli O., Dokuz A., UYSAL İ., AYDIN F., CHEN B., Kandemir R., Wijbrans J.
 CONTRIBUTIONS TO MINERALOGY AND PETROLOGY, vol.160, no.4, pp.467-487, 2010 (SCI-Expanded)
- XXXII. **Generation of the Early Cenozoic adakitic volcanism by partial melting of mafic lower crust, Eastern Turkey: Implications for crustal thickening to delamination**
 Karsli O., Dokuz A., UYSAL İ., AYDIN F., Kandemir R., Wijbrans J.
 LITHOS, vol.114, pp.109-120, 2010 (SCI-Expanded)
- XXXIII. **C2/c pyroxene phenocrysts from three potassic series in the Neogene alkaline volcanics, NE Turkey: their crystal chemistry with petrogenetic significance as an indicator of P-T conditions**
 AYDIN F., Thompson R. M., Karsli O., Uchida H., Burt J. B., Downs R. T.
 CONTRIBUTIONS TO MINERALOGY AND PETROLOGY, vol.158, no.1, pp.131-147, 2009 (SCI-Expanded)
- XXXIV. **Compositional Variations, Zoning Types and Petrogenetic Implications of Low-pressure Clinopyroxenes in the Neogene Alkaline Volcanic Rocks of Northeastern Turkey**
 AYDIN F., Karsli O., Sadiklar M. B.
 TURKISH JOURNAL OF EARTH SCIENCES, vol.18, no.2, pp.163-186, 2009 (SCI-Expanded)
- XXXV. **Elemental and Sr-Nd-Pb isotopic geochemistry of the most recent Quaternary volcanism in the Erzincan Basin, Eastern Turkey: framework for the evaluation of basalt-lower crust interaction**
 Karsli O., CHEN B., UYSAL İ., AYDIN F., Wijbrans J. R., Kandemir R.
 LITHOS, vol.106, pp.55-70, 2008 (SCI-Expanded)
- XXXVI. **Petrogenesis of the Neogene alkaline volcanics with implications for post-collisional lithospheric thinning of the Eastern Pontides, NE Turkey**
 AYDIN F., Karsli O., CHEN B.
 LITHOS, vol.104, pp.249-266, 2008 (SCI-Expanded)
- XXXVII. **Magma interaction processes inferred from Fe-Ti oxide compositions in the Dolek and Saricicek plutons, Eastern Turkey**
 Karsli O., AYDIN F., Uysal B., Sadiklar M. B.
 TURKISH JOURNAL OF EARTH SCIENCES, vol.17, no.2, pp.297-315, 2008 (SCI-Expanded)
- XXXVIII. **Compositional variations as a result of partial melting and melt-peridotite interaction in an upper mantle section from the Ortaca Area, southwestern Turkey**
 UYSAL İ., KALIWODA M., Karsli O., TARKIAN M., Sadiklar M. B., Ottley C. J.
 CANADIAN MINERALOGIST, vol.45, pp.1471-1493, 2007 (SCI-Expanded)
- XXXIX. **Geochemical and Sr-Nd-Pb isotopic compositions of the Eocene Dolek and Sariqeqek Plutons, Eastern Turkey: Implications for magma interaction in the genesis of high-K calc-alkaline granitoids in a post-collision extensional setting**
 Karsli O., CHEN B., AYDIN F., SEN C.
 LITHOS, vol.98, pp.67-96, 2007 (SCI-Expanded)
- XL. **Pre-eruptive conditions revealed by mega- and pheno-cryst compositions from the Quaternary**

Erzincan Volcanics, Eastern Turkey: Insights into the magma processes

Karsli O.

CHEMIE DER ERDE-GEOCHEMISTRY, vol.66, no.4, pp.277-305, 2006 (SCI-Expanded)

- XXI. **Mineralogy and composition of the chromitites and their platinum-group minerals from Ortaca (Mugla-SW Turkey): evidence for ophiolitic chromitite genesis**
UYSAL İ., SADIKLAR M., TARKIAN M., Karsli O., AYDIN F.
MINERALOGY AND PETROLOGY, vol.83, pp.219-242, 2005 (SCI-Expanded)
- XLII. **Magma interaction recorded in plagioclase zoning in granitoid systems, Zigana Granitoid, Eastern Pontides, Turkey**
Karsli O., AYDIN F., SADIKLAR M.
TURKISH JOURNAL OF EARTH SCIENCES, vol.13, no.3, pp.287-305, 2004 (SCI-Expanded)
- XLIII. **The morphology and chemistry of K-feldspar megacrysts from Ikizdere Pluton: evidence for acid and basic magma interactions in granitoid rocks, NE-Turkey**
Karsli O., AYDIN F., SADIKLAR M.
CHEMIE DER ERDE-GEOCHEMISTRY, vol.64, no.2, pp.155-170, 2004 (SCI-Expanded)
- XLIV. **Mineralogy and chemistry of biotites from Eastern Pontide granitoid rocks, NE-Turkey: Some petrological implications for granitoid magmas**
AYDIN F., Karsli O., SADIKLAR M.
CHEMIE DER ERDE-GEOCHEMISTRY, vol.63, no.2, pp.163-182, 2003 (SCI-Expanded)
- XLV. **Geothermobarometric investigation of the Zigana Granitoid, eastern Pontides, Turkey**
Karsli O., AYDIN F., SADIKLAR M.
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Books & Book Chapters

- I. **Trabzon Kıyı Bölgesinde Yüzeyleyen Genç Volkanik Aktivitenin Zamanı ve Kökeni: KD Türkiye'nin Çarpışma-Sonrası Neojen Volkanizmasına Genel Bir Bakış**
KARSLI O.
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Refereed Congress / Symposium Publications in Proceedings

- I. **The Early Mesozoic Tectonothermal Events in the Eastern Sakarya Zone, NE Turkey**
KARSLI O., AYDIN F., UYSAL İ., DOKUZ A., KANDEMİR R., OĞUZ SAKA S.
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- II. **Petrochemistry of Early Eocene Lamprophyric Dykes, NE Turkey**
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- III. **Geochemistry and Sr-Nd-Pb-O Isotopic Compositions Of The Magmatic Rocks From Caykara (Trabzon) Intrusive Complex**
AYDINÇAKIR E., ŞEN C., AYDIN F., DOKUZ A., KARSLI O.
III. International Conference on Engineering and Natural Sciences (ICENS), Budapest, Hungary, 3 - 07 May 2017, pp.608
- IV. **Mineralogy and geochemistry of the Neo-Tethyan Orhaneli ultramafic suite, NW Turkey: Evidence for the initiation and evolution of magmatic processes in a developing crust-mantle boundary**
UYSAL İ., DOKUZ A., Kapsiotis A., Kaliwoda M., KARSLI O., Müller D., AYDIN F.
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- V. **Late Cretaceous A- and I-type granite association in the Sakarya Zone, NE Turkey: implications for**

the origin and slab roll-back of Neotethyan oceanic lithosphere

KARSLI O., AYDIN F., UYSAL İ., DOKUZ A., KANDEMİR R.

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- VI. **Çaykara (Trabzon) İntüzif Kompleksilerindeki Magmatik Kayaçların Petrokimyasal ve Sr-Nd-Pb İzotop Jeokimyası, Doğu Pontidler (KD, Türkiye)**
AYDINÇAKIR E., ŞEN C., AYDIN F., DOKUZ A., KARSLI O., Yilmazer S., Dündar B.
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- VII. **Geochemical and Isotopic Features of Çaykara (Trabzon, NE Turkey) Intrusive Complex**
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- VIII. **Mafic sill/dykes intruding into late Maasstrichtien-early Paleocene calciclastic units, Ne-Turkey: Petrographical and geochemical features of latest magmatic activity before collision in the Eastern Sakarya Zone**
AYDIN F., OĞUZ SAKA S., KARSLI O., KANDEMİR R., ŞEN C., UYSAL İ.
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- IX. **Petrogenesis of mafic dykes in the Sakarya Zone NE Turkey**
AYDIN F., Kaptan H. H., OĞUZ S., Başer R., UYSAL İ., ŞEN C., KARSLI O., KANDEMİR R.
7. Geochemistry Symposium, 16 - 18 May 2016, pp.252-253
- X. **Petrogenesis of mafic dykes in the Eastern Sakarya Zone**
AYDIN F., KAPTAN H. H., OĞUZ S., BAŞER R., UYSAL İ., ŞEN C., KARSLI O., KANDEMİR R.
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- XI. **Çaykara Trabzon İntüzif kompleksine ait ilk bulgular**
ŞEN C., AYDINÇAKIR E., AYDIN F., DOKUZ A., KARSLI O., Yilmazer S., Dündar B.
69. Türkiye Jeoloji Kurultayı, Turkey, 11 - 15 April 2016
- XII. **Petrological and geochemical constraints on the origin of mafic dykes intruding the composite Kaçkar Pluton from the eastern Blacksea magmatic arc**
AYDIN F., OĞUZ S., BAŞER R., UYSAL İ., ŞEN C., KARSLI O., KANDEMİR R.
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- XIII. **Petrological and geochemical constraints on the origin of mafic dykes intruding the composite Kaçkar Pluton from the eastern Blacksea magmatic arc, NE Turkey**
Aydın F., Oğuz S., Başer R., Uysal İ., Şen C., KARSLI O., KANDEMİR R.
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- XIV. **Trabzon-Rize-Gümüşhane Arasında Kalan Bölgenin Stratigrafisi (Doğu Pontidler)**
Duygu L., Evcimen Ö., Tunçdemir V., Erdem Y., Tuncay E., Dokuz A., KANDEMİR R., Karşı O.
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KARSLI O., TUBITAK Project, Oligo-Miyosen Plütonları'nın (Doğu Anadolu, Ağrı-Türkiye) Petrolojileri: Neotetis Güney Kolu'nun Senozoyik Evrimine İlişkin Yeni Bulgular, 2019 - Continues

KARSLI O., TUBITAK Project, Doğu Pontidlerde İyidere (Rize)-İspir (Erzurum) Kesitindeki Granitoid Kayaçların Zirkon Jeokimyası, (U-Th)/He Düşük Sıcaklık Termojeokronolojisi: Eosen Sonrası Sıkıma Ve Yükselme Dinamisinin İzleri, 2016 - Continues

KARSLI O., TUBITAK Project, Sulu Mafik Silikat İçeren Yitimle İlişkili A-Tipi Granitlere Bir Örnek, Asarcık Plütunu, Kd Türkiye: Lu-Hf Zirkon, Sr-Nd-Pb İzotopik, U-Pb Zirkon Jeokronolojik Ve Jeokimyasal Deliller, 2016 - Continues

BEYATLI E., TÜYSÜZ B., KARSLI O., Project Supported by Higher Education Institutions, ATMACA ELEKTRİK ARAÇIN GELİŞTİRİLMESİ, 2017 - 2017

KARSLI O., KANDEMİR R., Project Supported by Other Official Institutions, Doğu Karadeniz Bölgesinin Jeolojisi, 2017 -

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TÜYSÜZ B., BEYATLI E., KARSLI O., Project Supported by Higher Education Institutions, Mükemmeliyet Merkezi Kurulumu, 2016 - 2017

KARASU S., ÇAKIR S., CEYLAN Y., SAKLI A. R., KUTLU M., KARAMUSTAFA O., CAN M., OTAY N. E., PERÇİN S., UZLU E., et al., Project Supported by Higher Education Institutions, Doğu Karadeniz Lojistik Merkez Projesi, 2013 - 2015

DEMİR Y., KARSLI O., KANDEMİR R., TUBITAK Project, Triyas yaşlı (?) sulu ve susuz mafik mineral içerikli gabroların petrolojik özellikleri, Gümüşhane-Bayburt yöreleri, KD Türkiye: Doğu Pontidlerin geç Paleozoyik - erken Mesozoyik tektonomagmatik evrimi için yeni bulgular, 2012 - 2015

KANDEMİR R., KARSLI O., TUBITAK Project, Triyas volkanitlerinin petrolojik özellikleri, Gümüşhane: Doğu Pontidlerin Geç-Paleozoyik-Erken Mesozoyik Jeodinamik evrimi için bulgular, 2012 - 2015

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