AlÄ^o Polat

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5094882/publications.pdf Version: 2024-02-01



Δι Α΄ ΡΟΙ ΑΤ

| # | Article | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|
| 1 | Geochemistry of Neoarchean (ca. 2.55–2.50 Ga) volcanic and ophiolitic rocks in the Wutaishan greenstone belt, central orogenic belt, North China craton: Implications for geodynamic setting and continental growth. Bulletin of the Geological Society of America, 2005, 117, 1387. | 3.3 | 250 |
| 2 | Growth of granite–greenstone terranes at convergent margins, and stabilization of Archean cratons. Tectonophysics, 1999, 305, 43-73. | 2.2 | 218 |
| 3 | Rapid forearc spreading between 130 and 120Ma: Evidence from geochronology and geochemistry of the Xigaze ophiolite, southern Tibet. Lithos, 2013, 172-173, 1-16. | 1.4 | 176 |
| 4 | Geochemical diversity in oceanic komatiites and basalts from the late Archean Wawa greenstone belts, Superior Province, Canada: trace element and Nd isotope evidence for a heterogeneous mantle. Precambrian Research, 1999, 94, 139-173. | 2.7 | 173 |
| 5 | An overview of the geochemistry of Eoarchean to Mesoarchean ultramafic to mafic volcanic rocks, SW Greenland: Implications for mantle depletion and petrogenetic processes at subduction zones in the early Earth. Gondwana Research, 2011, 20, 255-283. | 6.0 | 165 |
| 6 | Archean greenstone belt magmatism and the continental growth–mantle evolution connection: constraints from Th–U–Nb–LREE systematics of the 2.7 Ga Wawa subprovince, Superior Province, Canada. Earth and Planetary Science Letters, 2000, 175, 41-54. | 4.4 | 145 |
| 7 | The origin of decoupled Hf–Nd isotope compositions in Eoarchean rocks from southern West Greenland. Geochimica Et Cosmochimica Acta, 2011, 75, 6610-6628. | 3.9 | 142 |
| 8 | Contrasting geochemical patterns in the 3.7–3.8 Ga pillow basalt cores and rims, Isua greenstone belt, Southwest Greenland: implications for postmagmatic alteration processes. Geochimica Et Cosmochimica Acta, 2003, 67, 441-457. | 3.9 | 137 |
| 9 | Onset of plate tectonics by the Eoarchean. Precambrian Research, 2021, 352, 105980. | 2.7 | 137 |
| 10 | Source heterogeneity for the major components of â^1⁄43.7ÂGa Banded Iron Formations (Isua Greenstone) Tj E Planetary Science Letters, 2007, 253, 266-281. | TQq0 0 0 rg 4.4 | BT /Overlock 135 |
| 11 | Suprasubduction zone ophiolites and Archean tectonics. Geology, 2008, 36, 431. | 4.4 | 134 |
| 12 | Archean greenstone-tonalite duality: Thermochemical mantle convection models or plate tectonics in the early Earth global dynamics?. Tectonophysics, 2006, 415, 141-165. | 2.2 | 126 |
| 13 | Growth of Archean continental crust in oceanic island arcs. Geology, 2012, 40, 383-384. | 4.4 | 119 |
| 14 | Trace element systematics of the Neoarchean Fiskenæsset anorthosite complex and associated meta-volcanic rocks, SW Greenland: Evidence for a magmatic arc origin. Precambrian Research, 2009, 175, 87-115. | 2.7 | 110 |
| 15 | Highly depleted Hadean mantle reservoirs in the sources of early Archean arc-like rocks, Isua supracrustal belt, southern West Greenland. Geochimica Et Cosmochimica Acta, 2010, 74, 7236-7260. | 3.9 | 110 |
| 16 | Geological Evidence for the Operation of Plate Tectonics throughout the Archean: Records from Archean Paleo-Plate Boundaries. Journal of Earth Science (Wuhan, China), 2018, 29, 1291-1303. | 3.2 | 105 |
| 17 | Geochemistry of anorthositic differentiated sills in the Archean (~2970Ma) Fiskenà sset Complex, SW Greenland: Implications for parental magma compositions, geodynamic setting, and secular heat flow in arcs. Lithos, 2011, 123, 50-72. | 1.4 | 101 |
| | | | |

ALİ POLAT

| # | Article | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Field and geochemical characteristics of the Mesoarchean (â^1⁄43075Ma) Ivisaartoq greenstone belt, southern West Greenland: Evidence for seafloor hydrothermal alteration in supra-subduction oceanic crust. Gondwana Research, 2007, 11, 69-91. | 6.0 | 99 |
| 20 | Chromium isotope fractionation during oxidative weathering—Implications from the study of a Paleoproterozoic (ca. 1.9 Ga) paleosol, Schreiber Beach, Ontario, Canada. Precambrian Research, 2013, 224, 434-453. | 2.7 | 94 |
| 21 | A late Archean tectonic mélange in the Central Orogenic Belt, North China Craton. Tectonophysics, 2013, 608, 929-946. | 2.2 | 91 |
| 22 | Hf–Nd isotope evidence for contemporaneous subduction processes in the source of late Archean arc lavas from the Superior Province, Canada. Chemical Geology, 2004, 213, 403-429. | 3.3 | 87 |
| 23 | Geology of a Neoarchean suture: Evidence from the Zunhua ophiolitic mélange of the Eastern Hebei Province, North China Craton. Bulletin of the Geological Society of America, 2019, 131, 1943-1964. | 3.3 | 83 |
| 24 | The geochemistry of Neoarchean (ca. 2700Ma) tholeiitic basalts, transitional to alkaline basalts, and gabbros, Wawa Subprovince, Canada: Implications for petrogenetic and geodynamic processes. Precambrian Research, 2009, 168, 83-105. | 2.7 | 82 |
| 25 | Geodynamic processes, continental growth, and mantle evolution recorded in late Archean greenstone belts of the southern Superior Province, Canada. Precambrian Research, 2001, 112, 5-25. | 2.7 | 80 |
| 26 | A review of structural patterns and melting processes in the Archean craton of West Greenland: Evidence for crustal growth at convergent plate margins as opposed to non-uniformitarian models. Tectonophysics, 2015, 662, 67-94. | 2.2 | 80 |
| 27 | Oxidative elemental cycling under the low O2 Eoarchean atmosphere. Scientific Reports, 2016, 6, 21058. | 3.3 | 74 |
| 28 | Formation of an Archean tectonic mélange in the Schreiber-Hemlo greenstone belt, Superior Province, Canada: Implications for Archean subduction-accretion process. Tectonics, 1999, 18, 733-755. | 2.8 | 69 |
| 29 | Mélanges through time: Life cycle of the world's largest Archean mélange compared with Mesozoic and Paleozoic subduction-accretion-collision mélanges. Earth-Science Reviews, 2020, 209, 103303. | 9.1 | 68 |
| 30 | Paired metamorphism in the Neoarchean: A record of accretionary-to-collisional orogenesis in the North China Craton. Earth and Planetary Science Letters, 2020, 543, 116355. | 4.4 | 68 |
| 31 | New age (ca. 2970Ma), mantle source composition and geodynamic constraints on the Archean FiskenA¦sset anorthosite complex, SW Greenland. Chemical Geology, 2010, 277, 1-20. | 3.3 | 65 |
| 32 | A 2.5 Ga fore-arc subduction-accretion complex in the Dengfeng Granite-Greenstone Belt, Southern North China Craton. Precambrian Research, 2016, 275, 241-264. | 2.7 | 65 |
| 33 | Geochemistry of Neoarchean mafic volcanic rocks and late mafic dikes in the Zanhuang Complex, Central Orogenic Belt, North China Craton: Implications for geodynamic setting. Lithos, 2013, 175-176, 193-212. | 1.4 | 64 |
| 34 | Neoproterozoic IAT intrusion into Mesoproterozoic MOR Miaowan Ophiolite, Yangtze Craton: Evidence for evolving tectonic settings. Precambrian Research, 2017, 289, 75-94. | 2.7 | 62 |
| 35 | Geochemistry of ultramafic rocks and hornblendite veins in the Fiskenæsset layered anorthosite complex, SW Greenland: Evidence for hydrous upper mantle in the Archean. Precambrian Research, 2012, 214-215, 124-153. | 2.7 | 59 |
| 36 | The origin of early Archean banded iron formations and of continental crust, Isua, southern West Greenland. Precambrian Research, 2005, 138, 151-175. | 2.7 | 58 |

ALÄ[®] POLAT

| # | Article | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Origin of Archean tonalite–trondhjemite–granodiorite (TTG) suites and granites in the Fiskenæsset region, southern West Greenland: Implications for continental growth. Gondwana Research, 2013, 23, 452-470. | 6.0 | 56 |
| 38 | The Hadean upper mantle conundrum: evidence for source depletion and enrichment from Sm-Nd, Re-Os, and Pb isotopic compositions in 3.71 Gy boninite-like metabasalts from the Isua Supracrustal Belt, Greenland 1 1Associate editor: A. D. Brandon. Geochimica Et Cosmochimica Acta, 2004, 68, 1645-1660. | 3.9 | 52 |
| 39 | Structural relationships along a Neoarchean arc-continent collision zone, North China craton. Bulletin of the Geological Society of America, 2017, 129, 59-75. | 3.3 | 45 |
| 40 | Geochemical systematics of 2.7ÂGa Kinojevis Group (Abitibi), and Manitouwadge and Winston Lake (Wawa) Fe-rich basalt–rhyolite associations: Backarc rift oceanic crust?. Lithos, 2008, 101, 1-23. | 1.4 | 44 |
| 41 | Geochemical variations in Archean volcanic rocks, southwestern Greenland: Traces of diverse tectonic settings in the early Earth. Geology, 2013, 41, 379-380. | 4.4 | 38 |
| 42 | Lithological, structural, and geochemical characteristics of the Mesoarchean Târtoq greenstone belt, southern West Greenland, and the Chugach – Prince William accretionary complex, southern Alaska: evidence for uniformitarian plate-tectonic processes. Canadian Journal of Earth Sciences, 2016, 53, 1336-1371. | 1.3 | 38 |
| 43 | Archean dome-and-basin style structures form during growth and death of intraoceanic and continental margin arcs in accretionary orogens. Earth-Science Reviews, 2021, 220, 103725. | 9.1 | 38 |
| 44 | Petrogenesis and geochemistry of circa 2.5 Ga granitoids in the Zanhuang Massif: Implications for magmatic source and Neoarchean metamorphism of the North China Craton. Lithos, 2017, 268-271, 149-162. | 1.4 | 34 |
| 45 | Origin and tectonic implications of an Early Paleozoic (460–440â€ ⁻ Ma) subduction-accretion shear zone in the northwestern Yunkai Domain, South China. Lithos, 2018, 322, 104-128. | 1.4 | 33 |
| 46 | The origin of geochemical trends and Eoarchean (ca. 3700 Ma) zircons in Mesoarchean (ca. 3075 Ma) ocelli-hosting pillow basalts, Ivisaartoq greenstone belt, SW Greenland: Evidence for crustal contamination versus crustal recycling. Chemical Geology, 2009, 268, 248-271. | 3.3 | 32 |
| 47 | Magmatic record of Neoarchean arc-polarity reversal from the Dengfeng segment of the Central Orogenic Belt, North China Craton. Precambrian Research, 2019, 326, 105-123. | 2.7 | 32 |
| 48 | Dacitic ocelli in mafic lavas, 3.8–3.7ÂGa Isua greenstone belt, West Greenland: Geochemical evidence for partial melting of oceanic crust and magma mixing. Chemical Geology, 2009, 258, 105-124. | 3.3 | 31 |
| 49 | Alpine-style nappes thrust over ancient North China continental margin demonstrate large Archean horizontal plate motions. Nature Communications, 2021, 12, 6172. | 12.8 | 31 |
| 50 | Fifty years of the Eoarchean and the case for evolving uniformitarianism. Precambrian Research, 2021, 367, 106442. | 2.7 | 31 |
| 51 | Extreme element mobility during transformation of Neoarchean (ca. 2.7 Ga) pillow basalts to a Paleoproterozoic (ca. 1.9 Ga) paleosol, Schreiber Beach, Ontario, Canada. Chemical Geology, 2012, 326-327, 145-173. | 3.3 | 29 |
| 52 | Petrogenetic and geodynamic origin of the Neoarchean Doré Lake Complex, Abitibi subprovince, Superior Province, Canada. International Journal of Earth Sciences, 2018, 107, 811-843. | 1.8 | 28 |
| 53 | Geochemistry of mafic rocks and cherts in the Darbut and Karamay ophiolitic mélanges in West Junggar, northwestern China: Evidence for a Late Silurian to Devonian back-arc basin system. Tectonophysics, 2018, 745, 395-411. | 2.2 | 28 |
| 54 | Amphibole, plagioclase and clinopyroxene geochemistry of the Archean Fiskenæsset Complex at Majorqap qA¢va, southwestern Greenland: Implications for Archean petrogenetic and geodynamic processes. Precambrian Research, 2014, 247, 64-91. | 2.7 | 26 |

Alİ Polat

| # | Article | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Structural relationships and kinematics of the Neoarchean Dengfeng forearc and accretionary complexes, southern North China craton. Bulletin of the Geological Society of America, 2019, 131, 966-996. | 3.3 | 26 |
| 56 | A juvenile oceanic island arc origin for the Archean (ca. 2.97 Ga) Fiskenæsset anorthosite complex, southwestern Greenland: Evidence from oxygen isotopes. Earth and Planetary Science Letters, 2014, 396, 252-266. | 4.4 | 23 |
| 57 | An overview of anorthosite-bearing layered intrusions in the Archaean craton of southern West Greenland and the Superior Province of Canada: implications for Archaean tectonics and the origin of megacrystic plagioclase. Geodinamica Acta, 2018, 30, 84-99. | 2.2 | 23 |
| 58 | From subduction initiation to arc–polarity reversal: Life cycle of an Archean subduction zone from the Zunhua ophiolitic mélange, North China Craton. Precambrian Research, 2020, 350, 105868. | 2.7 | 23 |
| 59 | Geochemistry of the Mesoarchean Fiskenæsset Complex at Majorqap qâva, SW Greenland: Evidence for two different magma compositions. Chemical Geology, 2012, 314-317, 66-82. | 3.3 | 22 |
| 60 | S-type granites in the western Superior Province: a marker of Archean collision zones. Canadian Journal of Earth Sciences, 2019, 56, 1409-1436. | 1.3 | 21 |
| 61 | Temporal variations in the incompatible trace element systematics of Archean volcanic rocks: Implications for tectonic processes in the early Earth. Precambrian Research, 2022, 368, 106487. | 2.7 | 21 |
| 62 | Geochemistry, Nd, Pb and Sr isotope systematics, and U–Pb zircon ages of the Neoarchean Bad Vermilion Lake greenstone belt and spatially associated granitic rocks, western Superior Province, Canada. Precambrian Research, 2016, 282, 21-51. | 2.7 | 20 |
| 63 | Lithospheric mantle xenoliths sampled by melts from upwelling asthenosphere: The Quaternary Tasse alkaline basalts of southeastern British Columbia, Canada. Gondwana Research, 2016, 33, 209-230. | 6.0 | 19 |
| 64 | Formation of the Neoarchean Bad Vermilion Lake Anorthosite Complex and spatially associated granitic rocks at a convergent plate margin, Superior Province, Western Ontario, Canada. Gondwana Research, 2016, 33, 134-159. | 6.0 | 19 |
| 65 | The nature and origin of cratons constrained by their surface geology. Bulletin of the Geological Society of America, 2022, 134, 1485-1505. | 3.3 | 19 |
| 66 | Ultra-high pressure inclusion in Archean ophiolitic podiform chromitite in mélange block suggests deep subduction on early Earth. Precambrian Research, 2021, 362, 106318. | 2.7 | 18 |
| 67 | Vestiges of early Earth's deep subduction and CHONSP cycle recorded in Archean ophiolitic podiform chromitites. Earth-Science Reviews, 2022, 227, 103968. | 9.1 | 18 |
| 68 | Sea-floor metamorphism recorded in epidosites from the ca. 1.0 Ga Miaowan ophiolite, Huangling anticline, China. Journal of Earth Science (Wuhan, China), 2012, 23, 696-704. | 3.2 | 15 |
| 69 | Combined bulk-rock Hf- and Nd-isotope compositions of Mesoarchaean metavolcanic rocks from the Ivisaartoq Supracrustal Belt, SW Greenland: Deviations from the mantle array caused by crustal recycling. Chemie Der Erde, 2016, 76, 543-554. | 2.0 | 15 |
| 70 | A Neoarchean arc-backarc pair in the Linshan Massif, southern North China Craton. Precambrian Research, 2020, 341, 105649. | 2.7 | 15 |
| 71 | Comparisons Between Tethyan Anorthositeâ€Bearing Ophiolites and Archean Anorthositeâ€Bearing Layered Intrusions: Implications for Archean Geodynamic Processes. Tectonics, 2020, 39, e2020TC006096. | 2.8 | 14 |
| 72 | Petrology and geochemistry of the Tasse mantle xenoliths of the Canadian Cordillera: A record of Archean to Quaternary mantle growth, metasomatism, removal, and melting. Tectonophysics, 2018, 737, 1-26 | 2.2 | 13 |

Alİ Polat

| # | Article | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | A back-arc origin for the Neoarchean megacrystic anorthosite-bearing Bird River Sill and the associated greenstone belt, Bird River subprovince, Western Superior Province, Manitoba, Canada. International Journal of Earth Sciences, 2019, 108, 2177-2207. | 1.8 | 10 |
| 74 | Petrogenesis and geodynamic setting of the Neoarchaean Haines Gabbroic Complex and Shebandowan greenstone belt, southwestern Superior Province, Ontario, Canada. Lithos, 2019, 324-325, 1-19. | 1.4 | 10 |
| 75 | Archaean crustal growth processes in southern West Greenland and the southern Superior Province: geodynamic and magmatic constraints. Geological Society Special Publication, 2009, 318, 155-191. | 1.3 | 9 |
| 76 | An overview of the lithological and geochemical characteristics of the Mesoarchean (ca. 3075 Ma) Ivisaartoq greenstone belt, southern West Greenland. , 2008, , 51-76. | | 8 |
| 77 | Evidence for Neoarchean hydrous arc magmatism, the anorthosite-bearing Mayville Intrusion, western Superior Province, Canada. Lithos, 2020, 362-363, 105482. | 1.4 | 8 |
| 78 | Neoarchean seafloor hydrothermal metamorphism of basalts in the Zanhuang ophiolitic mélange, North China Craton. Precambrian Research, 2020, 347, 105832. | 2.7 | 8 |
| 79 | Geochemistry of the metavolcanic rocks in the vicinity of the MacLellan Au–Ag deposit and an evaluation of the tectonic setting of the Lynn Lake greenstone belt, Canada: Evidence for a Paleoproterozoic-aged rifted continental margin. Lithos, 2015, 233, 46-68. | 1.4 | 7 |
| 80 | Anatomy of a Neoarchean continental arc-backarc system in the Cross Lake-Pipestone Lake region, northwestern Superior Province, Canada. Precambrian Research, 2022, 370, 106556. | 2.7 | 5 |
| 81 | Geological processes in the Early Earth. Gondwana Research, 2013, 23, 391-393. | 6.0 | 4 |
| 82 | Ca. 780 Ma OIB-like mafic dykes in the Western Jiangnan orogenic Belt, South China: evidence for large-scale upwelling of asthenosphere beneath a post-orogenic setting. International Geology Review, 2020, 62, 2280-2299. | 2.1 | 2 |
| 83 | A Review of the Geodynamic Significance of Hornblende-Bearing Ultramafic Rocks in the Mesoarchean Fiskenæsset Complex, SW Greenland. Modern Approaches in Solid Earth Sciences, 2014, , 127-147. | 0.3 | 2 |