

Attila DemÃ©ny

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

1,852
citations

236925

25
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276875

41
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docs citations

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times ranked

2253
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Carbon isotope anomaly and other geochemical changes at the Triassic-Jurassic boundary from a marine section in Hungary. <i>Geology</i> , 2001, 29, 1047. | 4.4 | 221 |
| 2 | Chemical and stable isotope composition of recent hot-water travertines and associated thermal waters, from Egerszalók, Hungary: Depositional facies and non-equilibrium fractionation. <i>Sedimentary Geology</i> , 2008, 211, 53-72. | 2.1 | 100 |
| 3 | Triassic–Jurassic boundary events inferred from integrated stratigraphy of the Csávány section, Hungary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 244, 11-33. | 2.3 | 91 |
| 4 | Coupled European and Greenland last glacial dust activity driven by North Atlantic climate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10632-E10638. | 7.1 | 77 |
| 5 | Genesis and transformations of monazite, florencite and rhabdophane during medium grade metamorphism: examples from the Sopron Hills, Eastern Alps. <i>Chemical Geology</i> , 2002, 191, 25-46. | 3.3 | 73 |
| 6 | Exhumation of the Rechnitz Window at the border of the Eastern Alps and Pannonian Basin during Neogene extension. <i>Tectonophysics</i> , 1997, 272, 197-211. | 2.2 | 64 |
| 7 | Trace element and $^{87}\text{Sr}/^{86}\text{Sr}$ –Nd isotope evidence for subduction-related carbonate–silicate melts in mantle xenoliths (Pannonian Basin, Hungary). <i>Lithos</i> , 2004, 75, 89-113. | 1.4 | 53 |
| 8 | SISALv2: a comprehensive speleothem isotope database with multiple age–depth models. <i>Earth System Science Data</i> , 2020, 12, 2579-2606. | 9.9 | 53 |
| 9 | Biotic and environmental changes in the Permian–Triassic boundary interval recorded on a western Tethyan ramp in the Bükk Mountains, Hungary. <i>Global and Planetary Change</i> , 2007, 55, 136-154. | 3.5 | 50 |
| 10 | Cave bacteria-induced amorphous calcium carbonate formation. <i>Scientific Reports</i> , 2020, 10, 8696. | 3.3 | 47 |
| 11 | Hydrogen index as reflecting intensity of sulphidic diagenesis in non-bioturbated, shaly sediments. <i>Organic Geochemistry</i> , 1994, 22, 299-310. | 1.8 | 46 |
| 12 | Mg-metasomatism and formation conditions of Mg-chlorite-muscovite-quartzphyllites (leucophyllites) of the Eastern Alps (W. Hungary) and their relations to Alpine whiteschists. <i>Contributions To Mineralogy and Petrology</i> , 1997, 128, 247-260. | 3.1 | 45 |
| 13 | Empirical equations for the temperature dependence of calcite–water oxygen isotope fractionation from 10 to 70°C. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3521-3526. | 1.5 | 43 |
| 14 | Estimation of primary productivity in the Toarcian Tethys – A novel approach based on TOC, reduced sulphur and manganese contents. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1997, 132, 355-371. | 2.3 | 41 |
| 15 | Recrystallization-induced oxygen isotope changes in inclusion-hosted water of speleothems – Paleoclimatological implications. <i>Quaternary International</i> , 2016, 415, 25-32. | 1.5 | 41 |
| 16 | Carbon isotope excursions and microfacies changes in marine Permian–Triassic boundary sections in Hungary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 237, 160-181. | 2.3 | 40 |
| 17 | A 13,600-year diatom oxygen isotope record from the South Carpathians (Romania): Reflection of winter conditions and possible links with North Atlantic circulation changes. <i>Quaternary International</i> , 2013, 293, 136-149. | 1.5 | 38 |
| 18 | Formation of amorphous calcium carbonate in caves and its implications for speleothem research. <i>Scientific Reports</i> , 2016, 6, 39602. | 3.3 | 38 |

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|----|--|------|-----------|
| 19 | Early dolomitisation of Late Triassic platform carbonates in the Transdanubian Range (Hungary). <i>Sedimentary Geology</i> , 2002, 151, 225-242. | 2.1 | 36 |
| 20 | Stable isotope compositions of speleothems from the last interglacial – Spatial patterns of climate fluctuations in Europe. <i>Quaternary Science Reviews</i> , 2017, 161, 68-80. | 3.0 | 36 |
| 21 | Bronze Age volcanic event recorded in stalagmites by combined isotope and trace element studies. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 801-808. | 1.5 | 35 |
| 22 | Stable H ² O isotope and trace element geochemistry of the Cummins Range Carbonatite Complex, Kimberley region, Western Australia: implications for hydrothermal REE mineralization, carbonatite evolution and mantle source regions. <i>Mineralium Deposita</i> , 2014, 49, 905-932. | 4.1 | 33 |
| 23 | Cave monitoring in the Bőke and Baradla caves (Northeastern Hungary): implications for the conditions for the formation cave carbonates. <i>International Journal of Speleology</i> , 2018, 47, 13-28. | 1.0 | 30 |
| 24 | H, O, Sr, Nd, and Pb isotopic evidence for recycled oceanic crust in the Transitional Volcanic Group of Fuerteventura, Canary Islands, Spain. <i>Chemical Geology</i> , 2004, 205, 37-54. | 3.3 | 28 |
| 25 | A nanocrystalline monoclinic CaCO ₃ precursor of metastable aragonite. <i>Science Advances</i> , 2018, 4, eaau6178. | 10.3 | 28 |
| 26 | Stable isotope compositions of CO ₂ in background air and at polluted sites in Hungary. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 797-804. | 1.5 | 25 |
| 27 | Mid-Holocene climate conditions and moisture source variations based on stable H, C and O isotope compositions of speleothems in Hungary. <i>Quaternary International</i> , 2013, 293, 150-156. | 1.5 | 25 |
| 28 | Mercury anomalies and carbon isotope excursions in the western Tethyan Csávár section support the link between CAMP volcanism and the end-Triassic extinction. <i>Global and Planetary Change</i> , 2020, 194, 103291. | 3.5 | 24 |
| 29 | Tracing subduction zone fluids with distinct Mg isotope compositions: Insights from high-pressure metasomatic rocks (leucophyllites) from the Eastern Alps. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 271, 154-178. | 3.9 | 23 |
| 30 | Speleothem Records from the Eastern Part of Europe and Turkey – Discussion on Stable Oxygen and Carbon Isotopes. <i>Quaternary</i> , 2019, 2, 31. | 2.0 | 22 |
| 31 | H ₂ O-δD-F _{III} relations of dehydrogenation and dehydration processes in magmatic amphiboles. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 919-925. | 1.5 | 21 |
| 32 | Combination of offline preparation and continuous flow mass spectrometry: D/H analyses of inclusion waters. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1329-1334. | 1.5 | 19 |
| 33 | Primary productivity and early diagenesis in the Toarcian Tethys on the example of the Mn-rich black shales of the Sachrang Formation, Northern Calcareous Alps. <i>Organic Geochemistry</i> , 1998, 29, 1635-1647. | 1.8 | 18 |
| 34 | Paleoenvironmental evaluation of the Tata Travertine Complex (Hungary), based on stable isotopic and petrographic studies. <i>Acta Geologica Hungarica</i> , 2006, 49, 1-31. | 0.2 | 18 |
| 35 | The Yungul carbonatite dykes associated with the epithermal fluorite deposit at Speewah, Kimberley, Australia: carbon and oxygen isotope constraints on their origin. <i>Mineralogy and Petrology</i> , 2010, 98, 123-141. | 1.1 | 18 |
| 36 | Climatic variability in the Late Copper Age: stable isotope fluctuation of prehistoric <i>Unio pictorum</i> (Unionidae) shells from Lake Balaton (Hungary). <i>Journal of Paleolimnology</i> , 2012, 47, 87-100. | 1.6 | 18 |

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|----|--|-----|-----------|
| 37 | Processes and controlling factors of polygenetic dolomite formation in the Transdanubian Range, Hungary: a synopsis. <i>International Journal of Earth Sciences</i> , 2017, 106, 991-1021. | 1.8 | 16 |
| 38 | Recently forming stalagmites from the Baradla Cave and their suitability assessment for climate–proxy relationships. <i>Central European Geology</i> , 2017, 60, 1-34. | 0.4 | 16 |
| 39 | Speleothems and pine trees as sensitive indicators of environmental pollution – A case study of the effect of uranium-ore mining in Hungary. <i>Applied Geochemistry</i> , 2011, 26, 666-678. | 3.0 | 14 |
| 40 | Metacarbonatites in the Basal Complex of Fuerteventura (Canary Islands). The role of fluid/rock interactions during contact metamorphism and anatexis. <i>Lithos</i> , 2011, 125, 503-520. | 1.4 | 14 |
| 41 | North Atlantic influences on climate conditions in East-Central Europe in the late Holocene reflected by flowstone compositions. <i>Quaternary International</i> , 2019, 512, 99-112. | 1.5 | 13 |
| 42 | Cuspidine–niocalite–baghdadite solid solutions in the metacarbonatites of the Basal Complex of Fuerteventura (Canary Islands). <i>Lithos</i> , 2008, 105, 25-41. | 1.4 | 12 |
| 43 | Genesis of Upper Triassic peritidal dolomites in the Transdanubian Range, Hungary. <i>Facies</i> , 2015, 61, 1. | 1.4 | 11 |
| 44 | Paleotemperature reconstructions using speleothem fluid inclusion analyses from Hungary. <i>Chemical Geology</i> , 2021, 563, 120051. | 3.3 | 10 |
| 45 | Water concentrations and hydrogen isotope compositions of alkaline basalt-hosted clinopyroxene megacrysts and amphibole clinopyroxenites: the role of structural hydroxyl groups and molecular water. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1. | 3.1 | 9 |
| 46 | Pliocene–Early Pleistocene climatic trends in the Italian Peninsula based on stable oxygen and carbon isotope compositions of rhinoceros and gomphothere tooth enamel. <i>Quaternary Science Reviews</i> , 2017, 157, 52-65. | 3.0 | 9 |
| 47 | The oxygen and carbon isotopic composition of Langhian foraminiferal tests as a paleoecological proxy in a marginal part of the Carpathian Foredeep (Czech Republic). <i>Geologica Carpathica</i> , 2012, 63, 121-137. | 0.7 | 8 |
| 48 | Carbonate xenoliths in La Palma: Carbonatite or alteration product?. <i>Chemie Der Erde</i> , 2008, 68, 369-381. | 2.0 | 7 |
| 49 | Geochemical and H-O-Sr-Nd isotope evidence for magmatic processes and meteoric-water interactions in the basal complex of La Gomera, Canary Islands. <i>Mineralogy and Petrology</i> , 2010, 98, 181-195. | 1.1 | 7 |
| 50 | Dolomitization of shallow-water, mixed siliclastic-carbonate sequences: The Lower Triassic ramp succession of the Transdanubian Range, Hungary. <i>Sedimentary Geology</i> , 2020, 395, 105549. | 2.1 | 7 |
| 51 | Stable isotope compositions of the Penninic ophiolites of the Kármuzseg-Rechnitz series. <i>Central European Geology</i> , 2007, 50, 29-46. | 0.4 | 7 |
| 52 | On some preparation methods in stable-isotope mass spectrometry and their geochemical applications. <i>Rapid Communications in Mass Spectrometry</i> , 1991, 5, 524-526. | 1.5 | 6 |
| 53 | End-Triassic crisis and ‘unreefing’ led to the demise of the Dachstein carbonate platform: A revised model and evidence from the Transdanubian Range, Hungary. <i>Global and Planetary Change</i> , 2021, 199, 103428. | 3.5 | 6 |
| 54 | Primary and secondary features of analcimes formed in carbonate-zeolite ocelli of alkaline basalts (Mecsek Mts., Hungary): textures, chemical and oxygen isotope compositions. <i>Geochemical Journal</i> , 1997, 31, 37-47. | 1.0 | 5 |

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|----|--|-----|-----------|
| 55 | Hydrogen isotope type curves of very hot crude oils. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 191-198. | 1.5 | 5 |
| 56 | Stable isotope compositions and trace element concentrations in freshwater bivalve shells (<i>Unio</i> sp.) as indicators of environmental changes at Tiszapárki, eastern Hungary. <i>Central European Geology</i> , 2012, 55, 441-460. | 0.4 | 5 |
| 57 | Holocene hydrological changes in Europe and the role of the North Atlantic ocean circulation from a speleothem perspective. <i>Quaternary International</i> , 2021, 571, 1-10. | 1.5 | 5 |
| 58 | Stadial-Interstadial Temperature and Aridity Variations in East Central Europe Preceding the Last Glacial Maximum. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004170. | 2.9 | 5 |
| 59 | Speleothem stable isotope records for east-central Europe: resampling sedimentary proxy records to obtain evenly spaced time series with spectral guidance. <i>Earth System Science Data</i> , 2018, 10, 139-149. | 9.9 | 5 |
| 60 | Calcium Carbonate Precipitating Cultivable Bacteria from Different Speleothems of Karst Caves. <i>Geomicrobiology Journal</i> , 2022, 39, 107-122. | 2.0 | 5 |
| 61 | Hydrogen isotope compositions in carbonado diamond: constraints on terrestrial formation. <i>Central European Geology</i> , 2011, 54, 51-74. | 0.4 | 4 |
| 62 | Stable isotope study in a weakly developed paleosol horizon in the Quaternary Várhegy travertine (Budapest, Hungary). <i>Acta Geologica Hungarica</i> , 2003, 46, 149-160. | 0.2 | 4 |
| 63 | $2\text{H}/1\text{H}$ measurements of amphiboles and nominally anhydrous minerals (clinopyroxene, garnet and) Tj ETQq1 1 0.784314 rgBT /Overland spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 2066-2072. | 1.5 | 3 |
| 64 | Bacterial and abiogenic carbonates formed in caves – no vital effect on clumped isotope compositions. <i>PLoS ONE</i> , 2021, 16, e0245621. | 2.5 | 3 |
| 65 | Origin of dawsonite-forming fluids in the Mihályi-Röpcelak field (Pannonian Basin) using stable H, C and O isotope compositions: Implication for mineral storage of carbon-dioxide. <i>Chemical Geology</i> , 2021, 584, 120536. | 3.3 | 3 |
| 66 | Calculation of temperature and $\delta^{18}\text{O}$ of depositing water by measured $\delta^{18}\text{O}$ of recent travertines deposited from the Budapest thermal karst water. <i>Central European Geology</i> , 2011, 54, 157-165. | 0.4 | 3 |
| 67 | New home, new diet? Reconstruction of diet at the 10th century CE Hungarian Conquest period site of Kenéz-Fazekaszug from stable carbon and nitrogen isotope analyses. <i>Journal of Archaeological Science: Reports</i> , 2021, 38, 103033. | 0.5 | 2 |
| 68 | Detection of diagenetic alteration in bones and teeth for migration and dietary studies – a combined FTIR and C-N-O-Sr isotope study on tenth century CE cemeteries in northern and northeastern Hungary. <i>Archaeological and Anthropological Sciences</i> , 2022, 14, 1. | 1.8 | 2 |
| 69 | Cave monitoring in Hungary: An overview. <i>Central European Geology</i> , 2022, 65, 26-39. | 0.4 | 2 |
| 70 | A Preliminary Stable Isotope Study on a Potential Radioactive Waste Repository Site in the Mecsek Mountains, Southern Hungary. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 1415-1417. | 1.5 | 1 |
| 71 | Comment on the paper of de Ignacio, C., Muñoz, M., Sagredo, J., Fernández-Santán, S. and Johansson, A., 2006. Isotope geochemistry and FOZO mantle component of the alkaline carbonatitic association of Fuerteventura, Canary Islands, Spain. <i>Chem. Geol.</i> 232, 99-113. <i>Chemical Geology</i> , 2007, 242, 288-291. | 3.3 | 0 |
| 72 | Stable isotope compositions of bivalve shells and geochemistry of bulk sediments in a ~20 ky fluvial section at Kőröságy, SE Hungary: Sedimentary changes vs. climate signals. <i>Central European Geology</i> , 2012, 55, 417-439. | 0.4 | 0 |