

Attila DemÃ©ny

List of Publications by Year in descending order

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72
papers

1,852
citations

236925

25
h-index

276875

41
g-index

72
all docs

72
docs citations

72
times ranked

2253
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of diagenetic alteration in bones and teeth for migration and dietary studies – a combined FTIR and C-N ¹⁵ -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
2	Calcium Carbonate Precipitating Cultivable Bacteria from Different Speleothems of Karst Caves. <i>Geomicrobiology Journal</i> , 2022, 39, 107-122.	2.0	5
3	Cave monitoring in Hungary: An overview. <i>Central European Geology</i> , 2022, 65, 26-39.	0.4	2
4	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
5	Bacterial and abiogenic carbonates formed in caves – no vital effect on clumped isotope compositions. <i>PLoS ONE</i> , 2021, 16, e0245621.	2.5	3
6	Paleotemperature reconstructions using speleothem fluid inclusion analyses from Hungary. <i>Chemical Geology</i> , 2021, 563, 120051.	3.3	10
7	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
8	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
9	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
10	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
11	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
12	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
13	Mercury anomalies and carbon isotope excursions in the western Tethyan Csávány section support the link between CAMP volcanism and the end-Triassic extinction. <i>Global and Planetary Change</i> , 2020, 194, 103291.	3.5	24
14	Cave bacteria-induced amorphous calcium carbonate formation. <i>Scientific Reports</i> , 2020, 10, 8696.	3.3	47
15	SISALv2: a comprehensive speleothem isotope database with multiple age–depth models. <i>Earth System Science Data</i> , 2020, 12, 2579-2606.	9.9	53
16	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
17	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
18	A nanocrystalline monoclinic CaCO ₃ precursor of metastable aragonite. <i>Science Advances</i> , 2018, 4, eaau6178.	10.3	28

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19	Cave monitoring in the Bükk 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
20	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
21	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
22	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
23	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
24	2H/1H measurements of amphiboles and nominally anhydrous minerals (clinopyroxene, garnet and) by laser Raman spectroscopy. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 2066-2072.	1.5	3
25	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
26	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
27	Formation of amorphous calcium carbonate in caves and its implications for speleothem research. <i>Scientific Reports</i> , 2016, 6, 39602.	3.3	38
28	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
29	Recrystallization-induced oxygen isotope changes in inclusion-hosted water of speleothems – Paleoclimatological implications. <i>Quaternary International</i> , 2016, 415, 25-32.	1.5	41
30	Genesis of Upper Triassic peritidal dolomites in the Transdanubian Range, Hungary. <i>Facies</i> , 2015, 61, 1.	1.4	11
31	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
32	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
33	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
34	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
35	Stable isotope compositions of bivalve shells and geochemistry of bulk sediments in a ~20 ky fluvial section at Kőrös, SE Hungary: Sedimentary changes vs. climate signals. <i>Central European Geology</i> , 2012, 55, 417-439.	0.4	0
36	Stable isotope compositions and trace element concentrations in freshwater bivalve shells (<i>Unio</i> sp.) as indicators of environmental changes at Tiszapáloskő, eastern Hungary. <i>Central European Geology</i> , 2012, 55, 441-460.	0.4	5

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37	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
38	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
39	Hydrogen isotope compositions in carbonado diamond: constraints on terrestrial formation. <i>Central European Geology</i> , 2011, 54, 51-74.	0.4	4
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	Hydrogen isotope type-curves of very hot crude oils. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 191-198.	1.5	5
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	Carbonate xenoliths in La Palma: Carbonatite or alteration product?. <i>Chemie Der Erde</i> , 2008, 68, 369-381.	2.0	7
51	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
52	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
53	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
54	Stable isotope compositions of the Penninic ophiolites of the Kőszeg-Rechnitz series. <i>Central European Geology</i> , 2007, 50, 29-46.	0.4	7

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55	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
56	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
57	H ₂ O–D–FeIII relations of dehydrogenation and dehydration processes in magmatic amphiboles. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 919-925.	1.5	21
58	Trace element and 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
59	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
60	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
61	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
62	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
63	Early dolomitisation of Late Triassic platform carbonates in the Transdanubian Range (Hungary). <i>Sedimentary Geology</i> , 2002, 151, 225-242.	2.1	36
64	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
65	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
66	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
67	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
68	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
69	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
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	Hydrogen index as reflecting intensity of sulphidic diagenesis in non-bioturbated, shaly sediments. <i>Organic Geochemistry</i> , 1994, 22, 299-310.	1.8	46
72	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