

Zsolt Berner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3776578/publications.pdf>

Version: 2024-02-01

83
papers

4,641
citations

71102

41
h-index

98798

67
g-index

83
all docs

83
docs citations

83
times ranked

4465
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic enrichment in groundwater of West Bengal, India: geochemical evidence for mobilization of As under reducing conditions. <i>Applied Geochemistry</i> , 2003, 18, 1417-1434.	3.0	242
2	Phosphorus and the roles of productivity and nutrient recycling during oceanic anoxic event 2. <i>Geology</i> , 2007, 35, 483.	4.4	216
3	Impact of irrigation with As rich groundwater on soil and crops: A geochemical case study in West Bengal Delta Plain, India. <i>Applied Geochemistry</i> , 2005, 20, 1890-1906.	3.0	202
4	Apatite (Uâ€“Thâ€“Sm)/He thermochronology of rapidly cooled samples: The effect of He implantation. <i>Earth and Planetary Science Letters</i> , 2009, 285, 105-114.	4.4	184
5	The Cenomanian/Turonian anoxic event at the Bonarelli Level in Italy and Spain: enhanced productivity and/or better preservation?. <i>Cretaceous Research</i> , 2007, 28, 597-612.	1.4	178
6	Adsorption of arsenic(III) and arsenic(V) from groundwater using natural siderite as the adsorbent. <i>Journal of Colloid and Interface Science</i> , 2007, 315, 47-53.	9.4	162
7	Removal of arsenic from aqueous solution by natural siderite and hematite. <i>Applied Geochemistry</i> , 2007, 22, 1039-1051.	3.0	148
8	Time-Dependent Increase of Traffic-Emitted Platinum-Group Elements (PGE) in Different Environmental Compartments. <i>Environmental Science & Technology</i> , 1999, 33, 3166-3170.	10.0	140
9	Hydrogeological and biogeochemical constrains of arsenic mobilization in shallow aquifers from the Hetao basin, Inner Mongolia. <i>Environmental Pollution</i> , 2011, 159, 876-883.	7.5	120
10	Role of competing ions in the mobilization of Arsenic in groundwater of Bengal Basin: Insight from surface complexation modeling. <i>Water Research</i> , 2014, 55, 30-39.	11.3	110
11	Evolution of the marine stable carbon-isotope record during the early Cretaceous: A focus on the late Hauterivian and Barremian in the Tethyan realm. <i>Earth and Planetary Science Letters</i> , 2006, 242, 254-271.	4.4	107
12	Geochemical processes underlying a sharp contrast in groundwater arsenic concentrations in a village on the Red River delta, Vietnam. <i>Applied Geochemistry</i> , 2008, 23, 3143-3154.	3.0	107
13	Trace analysis of platinum in biological samples: a comparison between sector field ICP-MS and adsorptive cathodic stripping voltammetry following different digestion procedures. <i>Analytica Chimica Acta</i> , 2001, 439, 203-209.	5.4	104
14	Characterization of late Campanian and Maastrichtian planktonic foraminiferal depth habitats and vital activities based on stable isotopes. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 202, 1-29.	2.3	104
15	Late Quaternary palaeoclimatic reconstruction from the lacustrine sediments of the Sambhar playa core, Thar Desert margin, India. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 233, 252-270.	2.3	101
16	Progressive palaeoenvironmental change during the Late Barremianâ€“Early Aptian as prelude to Oceanic Anoxic Event 1a: Evidence from the Gorgo a Cerbara section (Umbria-Marche basin, central Italy). <i>Geochimica et Cosmochimica Acta</i> , 2008, 72, 107-118.	10.8	100
17	Palaeoenvironmental changes at the Frasnian/Famennian boundary in key European sections: Chemostratigraphic constraints. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 240, 120-145.	2.3	90
18	Pyrite geochemistry in the Toarcian Posidonia Shale of southwest Germany: Evidence for contrasting trace element patterns of diagenetic and syngenetic pyrites. <i>Sedimentology</i> , 2013, 60, 548-573.	3.1	90

#	ARTICLE	IF	CITATIONS
19	Cenomanian–Turonian and $\delta^{13}\text{C}$, and $\delta^{18}\text{O}$, sea level and salinity variations at Pueblo, Colorado. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 211, 19-43.	2.3	87
20	Age and paleoenvironment of the Maastrichtian to Paleocene of the Mahajanga Basin, Madagascar: a multidisciplinary approach. <i>Marine Micropaleontology</i> , 2003, 47, 17-70.	1.2	81
21	Heavy metal incorporation in foraminiferal calcite: results from multi-element enrichment culture experiments with <i>Ammonia tepida</i> . <i>Biogeosciences</i> , 2010, 7, 2339-2350.	3.3	76
22	Organic carbon induced mobilization of iron and manganese in a West Bengal aquifer and the muted response of groundwater arsenic concentrations. <i>Chemical Geology</i> , 2014, 367, 51-62.	3.3	71
23	Chicxulub impact predates K–T boundary: New evidence from Brazos, Texas. <i>Earth and Planetary Science Letters</i> , 2007, 255, 339-356.	4.4	69
24	Cenomanian–Turonian transition in a shallow water sequence of the Sinai, Egypt. <i>International Journal of Earth Sciences</i> , 2010, 99, 165-182.	1.8	68
25	The cretaceous-tertiary transition on the shallow Saharan Platform of southern tunisia. <i>Geobios</i> , 1997, 30, 951-975.	1.4	66
26	Groundwater chemistry and redox processes: Depth dependent arsenic release mechanism. <i>Applied Geochemistry</i> , 2011, 26, 516-525.	3.0	66
27	Middle and late Cenomanian oceanic anoxic events in shallow and deeper shelf environments of western Morocco. <i>Sedimentology</i> , 2010, 57, 1430-1462.	3.1	63
28	Organic carbon deposition and phosphorus accumulation during Oceanic Anoxic Event 2 in Tarfaya, Morocco. <i>Cretaceous Research</i> , 2008, 29, 1008-1023.	1.4	59
29	Intense pyrite formation under low-sulfate conditions in the Achterwasser lagoon, SW Baltic Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3619-3630.	3.9	54
30	S- and O-isotopic character of dissolved sulphate in the cover rock aquifers of a Zechstein salt dome. <i>Applied Geochemistry</i> , 2002, 17, 1515-1528.	3.0	53
31	Nd and Sr isotopic ratios and trace element geochemistry of epidote from the Swiss Molasse Basin as provenance indicators: implications for the reconstruction of the exhumation history of the Central Alps. <i>Chemical Geology</i> , 2002, 189, 231-250.	3.3	52
32	The Application of Microelectrodes for the Measurements of Trace Metals in Water. <i>Analytical Letters</i> , 2005, 38, 2281-2300.	1.8	52
33	Paleoenvironments of the latest Cretaceous oil shale sequence, Southern Tethys, Israel, as an integral part of the prevailing upwelling system. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 305, 93-108.	2.3	52
34	Development of an ultramicroelectrode arrays (UMEAs) sensor for trace heavy metal measurement in water. <i>Sensors and Actuators B: Chemical</i> , 2004, 97, 168-173.	7.8	49
35	Mobility of arsenic in West Bengal aquifers conducting low and high groundwater arsenic. Part II: Comparative geochemical profile and leaching study. <i>Applied Geochemistry</i> , 2008, 23, 996-1011.	3.0	49
36	Spatial, vertical and temporal variation of arsenic in shallow aquifers of the Bengal Basin: Controlling geochemical processes. <i>Chemical Geology</i> , 2014, 387, 157-169.	3.3	49

#	ARTICLE	IF	CITATIONS
37	More evidence that the Chicxulub impact predates the K/T mass extinction. <i>Meteoritics and Planetary Science</i> , 2004, 39, 1127-1144.	1.6	48
38	Temporal variations in arsenic concentration in the groundwater of Murshidabad District, West Bengal, India. <i>Environmental Earth Sciences</i> , 2011, 62, 223-232.	2.7	46
39	Adsorption of arsenic species from water using activated siderite-hematite column filters. <i>Journal of Hazardous Materials</i> , 2008, 151, 628-635.	12.4	44
40	The Angouran Zn (Pb) deposit, NW Iran: Evidence for a two stage, hypogene zinc sulfide-zinc carbonate mineralization. <i>Ore Geology Reviews</i> , 2013, 53, 373-402.	2.7	44
41	Chronostratigraphy of the Upper Cretaceous high productivity sequence of the southern Tethys, Israel. <i>Cretaceous Research</i> , 2014, 50, 187-213.	1.4	43
42	Carbonatite-like dykes from the eastern Himalayan syntaxis: geochemical, isotopic, and petrogenetic evidence for melting of metasedimentary carbonate rocks within the orogenic crust. <i>Journal of Asian Earth Sciences</i> , 2006, 26, 105-120.	2.3	37
43	^{13}C and ^{15}N natural abundances of urban soils and herbaceous vegetation in Karlsruhe, Germany. <i>European Journal of Soil Science</i> , 2005, 56, 607-620.	3.9	36
44	Source and origin of active and fossil thermal spring systems, northern Upper Rhine Graben, Germany. <i>Applied Geochemistry</i> , 2012, 27, 1153-1169.	3.0	35
45	Barremian-Danian chemostratigraphic sequences of the Cauvery Basin, India: Implications on scales of stratigraphic correlation. <i>Gondwana Research</i> , 2011, 19, 291-309.	6.0	34
46	Monsoonal influence on variation of hydrochemistry and isotopic signatures: Implications for associated arsenic release in groundwater. <i>Journal of Hydrology</i> , 2016, 535, 407-417.	5.4	34
47	Paleoceanographic reconstruction of the late Cretaceous oil shale of the Negev, Israel: Integration of geochemical, and stable isotope records of the organic matter. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 319-320, 46-57.	2.3	33
48	Sea surface temperature record of a Late Cretaceous tropical Southern Tethys upwelling system. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 392, 350-358.	2.3	32
49	Geochemical evidence for the link between sulfate reduction, sulfide oxidation and phosphate accumulation in a Late Cretaceous upwelling system. <i>Geochemical Transactions</i> , 2015, 16, 2.	0.7	31
50	Biogeochemical phosphorus cycling in groundwater ecosystems - Insights from South and Southeast Asian floodplain and delta aquifers. <i>Science of the Total Environment</i> , 2018, 644, 1357-1370.	8.0	31
51	A statistical procedure for the analysis of seismotectonically induced hydrochemical signals: A case study from the Eastern Carpathians, Romania. <i>Tectonophysics</i> , 2005, 405, 77-98.	2.2	30
52	Environmental monitoring of heavy metals and arsenic from Ag-Pb-Zn mining: a case study over two millennia. <i>Environmental Monitoring and Assessment</i> , 2001, 70, 181-200.	2.7	28
53	Age, chemo- and biostratigraphy of Haiti spherule-rich deposits: a multi-event K-T scenario. <i>Canadian Journal of Earth Sciences</i> , 2001, 38, 197-227.	1.3	28
54	$^{87}\text{Sr}/^{86}\text{Sr}$ anomalies in Late Cretaceous-Early Tertiary strata of the Cauvery basin, south India: Constraints on nature and rate of environmental changes across K-T boundary. <i>Journal of Earth System Science</i> , 2010, 119, 1-17.	1.3	28

#	ARTICLE	IF	CITATIONS
55	Stable isotope and mineralogical investigation of the genesis of amethyst geodes in the Los Catalanes gemological district, Uruguay, southernmost Paraná volcanic province. <i>Mineralium Deposita</i> , 2011, 46, 239-255.	4.1	27
56	Geochemical changes in individual sediment grains during sequential arsenic extractions. <i>Water Research</i> , 2010, 44, 5545-5555.	11.3	26
57	Characteristics of arsenic adsorption from aqueous solution: Effect of arsenic species and natural adsorbents. <i>Applied Geochemistry</i> , 2009, 24, 657-663.	3.0	25
58	Reconstructing the sedimentation history of the Bengal Delta Plain by means of geochemical and stable isotopic data. <i>Applied Geochemistry</i> , 2013, 36, 70-82.	3.0	25
59	Influences of groundwater extraction on the distribution of dissolved As in shallow aquifers of West Bengal, India. <i>Journal of Hazardous Materials</i> , 2013, 262, 941-950.	12.4	25
60	New data on the mobility of Pt emitted from catalytic converters. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 131-136.	3.7	24
61	Arsenic in framboidal pyrite from recent sediments of a shallow water lagoon of the Baltic Sea. <i>Sedimentology</i> , 2013, 60, 1389-1404.	3.1	19
62	Hierarchical delineation and multivariate statistical discrimination of chemozones of the Cauvery Basin, south India: Implications on spatio-temporal scales of stratigraphic correlation. <i>Petroleum Science</i> , 2010, 7, 435-447.	4.9	18
63	A Gis-Supported Multivariate Statistical Analysis of Relationships Among Stream Water Chemistry, Geology and Land Use in Baden-Württemberg, Germany. <i>Water, Air, and Soil Pollution</i> , 2005, 167, 39-57.	2.4	17
64	Miocene diagenetic and epigenetic strontium mineralization in calcareous series from Cyprus and the Arabian Gulf: Metallogenic perspective on sub- and suprasalt redox-controlled base metal deposits. <i>Journal of Asian Earth Sciences</i> , 2009, 34, 557-576.	2.3	17
65	Effect of carbon sources and of sulfate on microbial arsenic mobilization in sediments of West Bengal, India. <i>Ecotoxicology and Environmental Safety</i> , 2013, 91, 139-146.	6.0	17
66	On the distribution and speciation of arsenic in the soil-plant-system of a rice field in West-Bengal, India: A ¹¹⁴ Synchrotron techniques based case study. <i>Applied Geochemistry</i> , 2017, 77, 4-14.	3.0	17
67	The Cretaceous-Tertiary (K/T) boundary transition at Coxquihui, state of Veracruz, Mexico: evidence for an early Danian impact event?. <i>Journal of South American Earth Sciences</i> , 2002, 15, 497-509.	1.4	15
68	Reply to "Chicxulub impact predates K-T boundary: New evidence from Brazos, Texas" Comment by Schulte et al.. <i>Earth and Planetary Science Letters</i> , 2008, 269, 621-629.	4.4	13
69	Geochemistry of Early Frasnian (Late Devonian) pyrite-ammonoid level in the Kostomłoty Basin, Poland, and a new proxy parameter for assessing the relative amount of syngenetic and diagenetic pyrite. <i>Sedimentary Geology</i> , 2014, 308, 18-31.	2.1	13
70	Electrochemical Behavior and Analytical Performance of an Iridium-Based Ultramicroelectrode Array (UMEA) Sensor. <i>Mikrochimica Acta</i> , 2005, 150, 137-145.	5.0	11
71	Mineralogical and chemical composition of the Hagendorf-North Pegmatite, SE Germany - a monographic study. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2013, 190, 281-318.	0.3	11
72	Two anomalies of platinum group elements above the Cretaceous-Tertiary boundary at Beloc, Haiti: Geochemical context and consequences for the impact scenario. , 2002, , .		11

#	ARTICLE	IF	CITATIONS
73	Coupling Size-Exclusion Chromatography and ICP-MS to Investigate the Speciation of Platinum-Group Elements in Environmental Samples. <i>Geostandards and Geoanalytical Research</i> , 2001, 25, 239-251.	3.1	9
74	Biostratigraphy, Age of Chicxulub Impact, and Depositional Environment of the Brazos River KTB Sequences. , 2011, , 81-122.		9
75	Preparative separation of arsenate from phosphate by IRA-400 (OH) for oxygen isotopic work. <i>Talanta</i> , 2013, 105, 46-51.	5.5	7
76	Thermoanalytical study of Quaternary thermal lacustrine travertine occurrences in Hungary (Buda-Vár-hegy, Budakalás, Szomád-Les-hegy). <i>Acta Geologica Hungarica</i> , 2003, 46, 195-204.	0.2	6
77	Sedimentological and structural processes operative along a metalliferous catena from sandstone-hosted to unconformity-related Pb-Cu-Zn deposits in an epicontinental basin, SE Germany. <i>Ore Geology Reviews</i> , 2014, 63, 91-114.	2.7	6
78	Redox Control on the Isotopic Composition of Dissolved Sulfate in Percolating Sewage - An Experimental Study. <i>Clean - Soil, Air, Water</i> , 2004, 32, 304-315.	0.6	4
79	Temporal Trends of Geochemistry, Relative Sea Level, and Source Area Weathering in the Cauvery Basin, South India. , 2015, , 273-308.		4
80	Effect of Molybdate and Cell Growth on S-Isotope Fractionation During Bacterial Sulfate Reduction. <i>Geomicrobiology Journal</i> , 2004, 21, 207-219.	2.0	2
81	Analytical Procedure for the Quantification of in vitro Induced Pt- and Pd-DNA Adducts in Human Lung Cells. , 2006, , 215-227.		1
82	Selective separation and preconcentration of arsenite from arsenic enriched natural waters with three different adsorbents. <i>Separation Science and Technology</i> , 2015, , 150527095459001.	2.5	0
83	An Insight into the Spatio-vertical Heterogeneity of Dissolved Arsenic in Part of the Bengal Delta Plain Aquifer in West Bengal (India). , 2015, , 161-177.		0