

Marly Babinski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8351222/publications.pdf>

Version: 2024-02-01

108
papers

3,804
citations

117453

34
h-index

138251

58
g-index

108
all docs

108
docs citations

108
times ranked

2153
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the U–Pb, Sm–Nd and Sr–Sr Isotopic Compositions of the Sumatran Apatite as a Reference Material for LA–ICP–MS Analysis. <i>Geostandards and Geoanalytical Research</i> , 2022, 46, 71-95.	1.7	13
2	A large epeiric methanogenic Bambuí-sea in the core of Gondwana supercontinent?. <i>Geoscience Frontiers</i> , 2021, 12, 203-218.	4.3	23
3	Anoxygenic photosynthesis linked to Neoproterozoic iron formations in Carajás (Brazil). <i>Geobiology</i> , 2021, 19, 326-341.	1.1	10
4	Improving Source Apportionment of Urban Aerosol Using Multi-Isotopic Fingerprints (MIF) and Positive Matrix Factorization (PMF): Cross-Validation and New Insights. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	9
5	Tectonically-induced strontium isotope changes in ancient restricted seas: The case of the Ediacaran-Cambrian Bambuí-foreland basin system, east Brazil. <i>Gondwana Research</i> , 2021, 93, 275-290.	3.0	8
6	The low-grade basement at Península La Carmela, Chilean Patagonia: new data for unraveling the pre-Permian basin nature of the Eastern Andean Metamorphic Complex. <i>International Journal of Earth Sciences</i> , 2021, 110, 2021-2042.	0.9	2
7	Urban contamination sources in tunnel dusts from São Paulo city: Elemental and isotopic characterization. <i>Atmospheric Environment</i> , 2021, 254, 118188.	1.9	9
8	Geochronology of mafic magmatism and hydrothermal alteration during early stages of South Atlantic opening. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 314, 358-380.	1.6	7
9	Cryogenian glaciostatic and eustatic fluctuations and massive Marinoan-related deposition of Fe and Mn in the Urucum District, Brazil. <i>Geology</i> , 2021, 49, 1478-1483.	2.0	13
10	The Nitrogen Cycle in an Epeiric Sea in the Core of Gondwana Supercontinent: A Study on the Ediacaran-Cambrian Bambuí-Group, East-central Brazil. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	2
11	Diamictitic iron formation (DIF) deposits of the Neoproterozoic Nova Aurora Iron District (Macaébas) Tj ETQq1 1 0,784314 rgBT /Over	0,6	7
12	Rare earth elements in the terminal Ediacaran Bambuí-Group carbonate rocks (Brazil): evidence for high seawater alkalinity during rise of early animals. <i>Precambrian Research</i> , 2020, 336, 105506.	1.2	20
13	The Ribeirão da Folha ophiolite-bearing accretionary wedge (Araçuaia-orogen, SE Brazil): New data for Cryogenian plagiogranite and metasedimentary rocks. <i>Precambrian Research</i> , 2020, 336, 105522.	1.2	47
14	Towards an integrated tectonic model for the interaction between the Bambuí-basin and the adjoining orogenic belts: Evidences from the detrital zircon record of syn-orogenic units. <i>Journal of South American Earth Sciences</i> , 2020, 104, 102831.	0.6	14
15	Provenance shift through time in superposed basins: From Early Cryogenian glaciomarine to Late Ediacaran orogenic sedimentations (Araçuaia-Orogen, SE Brazil). <i>Gondwana Research</i> , 2020, 87, 41-66.	3.0	9
16	Trace element composition of amphibole and petrogenesis of hornblendites and plutonic suites of Cretaceous magmatic arcs developed in the Fuegian Andes, southernmost South America. <i>Lithos</i> , 2020, 372-373, 105656.	0.6	6
17	A telltale signature of Archean lithospheric mantle in the Parana continental flood basalts genesis. <i>Lithos</i> , 2020, 364-365, 105519.	0.6	6
18	Dawn of metazoans: to what extent was this influenced by the onset of "modern-type" plate tectonics? <i>Brazilian Journal of Geology</i> , 2020, 50, .	0.3	7

#	ARTICLE	IF	CITATIONS
19	Determining sedimentary material sources in a Brazilian urban lake using Zn stable isotope compositions of bottom sediments: a preliminary study. <i>Geochimica Brasiliensis</i> , 2020, 34, 130-137.	0.4	0
20	Isotope stratigraphy of Precambrian sedimentary rocks from Brazil: Keys to unlock Earth's hydrosphere, biosphere, tectonic, and climate evolution. <i>Stratigraphy & Timescales</i> , 2019, , 73-132.	0.2	3
21	Sequence stratigraphy and chemostratigraphy of an Ediacaran-Cambrian foreland-related carbonate ramp (Bambuá-Group, Brazil). <i>Precambrian Research</i> , 2019, 331, 105365.	1.2	20
22	Multi-isotope approach of Pb, Cu and Zn in urban aerosols and anthropogenic sources improves tracing of the atmospheric pollutant sources in megacities. <i>Atmospheric Environment</i> , 2019, 198, 427-437.	1.9	86
23	Comparing two arms of an orogenic belt during Gondwana amalgamation: Age and provenance of the Cuiabá Group, northern Paraguay Belt, Brazil. <i>Journal of South American Earth Sciences</i> , 2018, 85, 6-42.	0.6	15
24	Multi-isotopic fingerprints (Pb, Zn, Cu) applied for urban aerosol source apportionment and discrimination. <i>Science of the Total Environment</i> , 2018, 626, 1350-1366.	3.9	67
25	Who to blame for groundwater fluoride anomaly in São Paulo, Brazil? Hydrogeochemistry and isotopic evidence. <i>Applied Geochemistry</i> , 2018, 90, 25-38.	1.4	18
26	Tracing final Gondwana assembly: Age and provenance of key stratigraphic units in the southern Paraguay Belt, Brazil. <i>Precambrian Research</i> , 2018, 307, 1-33.	1.2	22
27	Elemental and Sr-Nd-Pb isotope geochemistry of the Florianópolis Dyke Swarm (Paraná Magmatic) Tj ETQq1 1 0.784314 rgBT / Over Geothermal Research, 2018, 355, 149-164.	0.8	19
28	Sedimentary provenance in the southern sector of the São Francisco Basin, SE Brazil. <i>Brazilian Journal of Geology</i> , 2018, 48, 51-74.	0.3	10
29	Zinc isotopes as tracers of anthropogenic sources and biogeochemical processes in contaminated mangroves. <i>Applied Geochemistry</i> , 2018, 95, 25-32.	1.4	31
30	New constraints on elemental and Pb and Nd isotope compositions of South American and Southern African aerosol sources to the South Atlantic Ocean. <i>Chemie Der Erde</i> , 2018, 78, 372-384.	0.8	14
31	Rare earth elements of carbonate rocks from the Bambuí-Group, southern São Francisco Basin, Brazil, and their significance as paleoenvironmental proxies. <i>Precambrian Research</i> , 2018, 305, 327-340.	1.2	26
32	A critical examination of the possible application of zinc stable isotope ratios in bivalve mollusks and suspended particulate matter to trace zinc pollution in a tropical estuary. <i>Environmental Pollution</i> , 2017, 226, 41-47.	3.7	32
33	Tracing of anthropogenic zinc sources in coastal environments using stable isotope composition. <i>Chemical Geology</i> , 2017, 449, 226-235.	1.4	83
34	An isotopic study of atmospheric lead in a megacity after phasing out of leaded gasoline. <i>Atmospheric Environment</i> , 2017, 149, 70-83.	1.9	47
35	Tracking connection and restriction of West Gondwana São Francisco Basin through isotope chemostratigraphy. <i>Gondwana Research</i> , 2017, 42, 280-305.	3.0	42
36	C, O, and Sr isotopic variations in Neoproterozoic-Cambrian carbonate rocks from Sete Lagoas Formation (Bambuá-Group), in the Southern São Francisco Basin, Brazil. <i>Brazilian Journal of Geology</i> , 2017, 47, 521-543.	0.3	12

#	ARTICLE	IF	CITATIONS
37	A Formação Gorutuba: sedimentação litorânea a continental na margem leste da Bacia Bambuí (MG). <i>Geologia USP - Serie Científica</i> , 2016, 16, 67.	0.1	11
38	Lead isotope constraints on the mantle sources involved in the genesis of Mesozoic high-Ti tholeiite dykes (Urubici type) from the São Francisco Craton (Southern Espinhaço, Brazil). <i>Brazilian Journal of Geology</i> , 2016, 46, 105-122.	0.3	18
39	Chemostratigraphy of the lower Bambuí-Group, southwestern São Francisco Craton, Brazil: insights on Gondwana paleoenvironments. <i>Brazilian Journal of Geology</i> , 2016, 46, 145-162.	0.3	31
40	Ion Exchange Chromatography and Mass Bias Correction for Accurate and Precise Zn Isotope Ratio Measurements in Environmental Reference Materials by MC-ICP-MS. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	10
41	Evolution of the Carboniferous-Early Cretaceous units of Paraná Basin from provenance studies based on U-Pb, Hf and O isotopes from detrital zircons. <i>Gondwana Research</i> , 2016, 40, 142-169.	3.0	46
42	Effect of vehicular traffic, remote sources and new particle formation on the activation properties of cloud condensation nuclei in the megacity of São Paulo, Brazil. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14635-14656.	1.9	6
43	The Bajo de la Alumbrera and Agua Rica Cu-Au (Mo) porphyry deposits of Argentina: Genetic constraints on ore formation and sources based on isotope signatures. <i>Ore Geology Reviews</i> , 2016, 75, 116-124.	1.1	11
44	50 years of Isotope Geology in South America - Scientific Highlights from the 9th South American Symposium on Isotope Geology. <i>Brazilian Journal of Geology</i> , 2016, 46, 1-3.	0.3	0
45	Experimental anatexis, fluorine geochemistry and lead-isotope constraints on granite petrogenesis in the Seridó Belt, Borborema Province, northeastern Brazil. <i>Chemical Geology</i> , 2015, 400, 122-148.	1.4	12
46	New evidence of an Ediacaran age for the Bambuí-Group in southern São Francisco craton (eastern Tj ETQq0 0 0,rgBT /Overlock 10 T	3.6	74
47	Detrital zircon age patterns and provenance assessment for pre-glacial to post-glacial successions of the Neoproterozoic Macaébas Group, Araçuaia-orogen, Brazil. <i>Precambrian Research</i> , 2015, 266, 12-26.	1.2	65
48	The Cryogenian and Ediacaran Records From the Amazon Palaeocontinent. <i>Springer Geology</i> , 2014, , 723-728.	0.2	2
49	The hot back-arc zone of the Araçuaia-orogen, Eastern Brazil: from sedimentation to granite generation. <i>Brazilian Journal of Geology</i> , 2014, 44, 155-180.	0.3	92
50	Mafic dykes intrusive into Pre-Cambrian rocks of the São Luís cratonic fragment and Gurupi Belt (Parnaíba Province), northeastern Brazil: Geochemistry, Sr-Nd-Pb-O isotopes, ⁴⁰ Ar/ ³⁹ Ar geochronology, and relationships to CAMP magmatism. <i>Lithos</i> , 2013, 172-173, 222-242.	0.6	20
51	Detrital zircon ages and geochronological constraints on the Neoproterozoic Puga diamictites and associated BIFs in the southern Paraguay Belt, Brazil. <i>Gondwana Research</i> , 2013, 23, 988-997.	3.0	55
52	Sr-Nd-Pb isotopic constraints on the nature of the mantle sources involved in the genesis of the high-Ti tholeiites from northern Paraná Continental Flood Basalts (Brazil). <i>Journal of South American Earth Sciences</i> , 2013, 46, 9-25.	0.6	82
53	Proveniência e análise sedimentar da porção basal do Grupo Bambuí em Arcos (MG). <i>Geologia USP - Serie Científica</i> , 2013, 13, 49-61.	0.1	12
54	Idades U-Pb em zircão do conglomerado diamantífero de Grão Mogol (Supergrupo Espinhaço): implicações para a origem dos diamantes da Serra do Espinhaço em Minas Gerais. <i>Brazilian Journal of Geology</i> , 2013, 43, 139-151.	0.3	2

#	ARTICLE	IF	CITATIONS
55	Grenvillian age magmatism in the Southern Espinhaço Range (Minas Gerais): evidence from U-Pb zircon ages. <i>Brazilian Journal of Geology</i> , 2013, 43, 477-486.	0.3	9
56	A 2400-year record of trace metal loading in lake sediments of Lagoa Vermelha, southeastern Brazil. <i>Journal of South American Earth Sciences</i> , 2012, 33, 1-7.	0.6	5
57	Re ¹⁸⁷ Os isotope and highly siderophile element systematics of the Paraná continental flood basalts (Brazil). <i>Earth and Planetary Science Letters</i> , 2012, 337-338, 164-173.	1.8	72
58	Distribuição e assinatura isotópica de Pb em sedimentos de fundo da Foz do Rio Guamá e da Baía do Guajará (Belém - Pará). <i>Química Nova</i> , 2012, 35, 249-256.	0.3	13
59	Neoproterozoic glacial deposits from the Araçuaia-orogen, Brazil: Age, provenance and correlations with the São Francisco craton and West Congo belt. <i>Gondwana Research</i> , 2012, 21, 451-465.	3.0	87
60	Assembling two easy pieces: the geology of western Gondwana and plate tectonic theory - An introduction to the special volume. <i>Gondwana Research</i> , 2012, 21, 311-315.	3.0	8
61	Geochemical evidence of the 8.2 ka event and other Holocene environmental changes recorded in paleolagoon sediments, southeastern Brazil. <i>Quaternary Research</i> , 2012, 77, 31-43.	1.0	15
62	Chapter 45 Glacially influenced sedimentation of the Puga Formation, Cuiabá Group and Jacadigo Group, and associated carbonates of the Araras and Corumbá groups, Paraguay Belt, Brazil. <i>Geological Society Memoir</i> , 2011, 36, 487-497.	0.9	13
63	One, two or no record of late neoproterozoic glaciation in South-East Cameroon?. <i>Journal of African Earth Sciences</i> , 2011, 59, 111-124.	0.9	16
64	Chapter 50 Moema laminites: a newly recognized Neoproterozoic (?) glaciogenic unit, São Francisco Basin, Brazil. <i>Geological Society Memoir</i> , 2011, 36, 535-540.	0.9	2
65	Chapter 46 The Serra Azul Formation, Paraguay Belt, Brazil. <i>Geological Society Memoir</i> , 2011, 36, 499-502.	0.9	2
66	Chapter 49 The Neoproterozoic Macaébas Group, Araçuaia-orogen, SE Brazil. <i>Geological Society Memoir</i> , 2011, 36, 523-534.	0.9	25
67	Estratigrafia da porção basal do grupo Bambuí na região de Arcos (MG): uma contribuição a partir de testemunhos de sondagem. <i>Geologia USP - Serie Científica</i> , 2011, 11, 45-54.	0.1	3
68	Chemostratigraphy of the Tamengo Formation (Corumbá Group, Brazil): A contribution to the calibration of the Ediacaran carbon-isotope curve. <i>Precambrian Research</i> , 2010, 182, 382-401.	1.2	91
69	Contribution of SHRIMP U ²³⁵ Pb zircon geochronology to unravelling the evolution of Brazilian Neoproterozoic fold belts. <i>Precambrian Research</i> , 2010, 183, 112-144.	1.2	52
70	Insights into the dynamics and sources of atmospheric lead and particulate matter in São Paulo, Brazil, from high temporal resolution sampling. <i>Atmospheric Research</i> , 2010, 98, 478-485.	1.8	34
71	A geochemical and lead isotopic record from a small pond in a remote equatorial island, Fernando de Noronha, Brazil. <i>Holocene</i> , 2009, 19, 439-448.	0.9	2
72	Neoproterozoic glacial dynamics revealed by provenance of diamictites of the Bebedouro Formation, São Francisco Craton, Central Eastern Brazil. <i>Terra Nova</i> , 2009, 21, 375-385.	0.9	28

#	ARTICLE	IF	CITATIONS
73	Chapter 3 The São Francisco Palaeocontinent. Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana, 2009, 16, 31-69.	0.2	21
74	Chapter 2 The Amazonian Palaeocontinent. Neoproterozoic-Cambrian Tectonics, Global Change and Evolution: A Focus on South Western Gondwana, 2009, , 15-28.	0.2	21
75	Conflicting structural and geochronological data from the Ibituruna quartz-syenite (SE Brazil): Effect of protracted orogeny and slow cooling rate?. Tectonophysics, 2009, 477, 174-196.	0.9	43
76	Magnetic fabric and zircon U-Pb geochronology of the Itaoca pluton: Implications for the Brasiliano deformation of the southern Ribeira Belt (SE Brazil). Journal of South American Earth Sciences, 2008, 26, 286-299.	0.6	18
77	Isotopic Evidence for the Late Brasiliano (500-550 Ma) Ore-Forming Mineralization of the Araçuaia Gold Deposit, Brazil. International Geology Review, 2008, 50, 177-190.	1.1	21
78	Accurate and Precise Zinc Isotope Ratio Measurements in Urban Aerosols. Analytical Chemistry, 2008, 80, 9776-9780.	3.2	56
79	Similarities and differences between the Brazilian and African counterparts of the Neoproterozoic Araçuaia-West Congo orogen. Geological Society Special Publication, 2008, 294, 153-172.	0.8	109
80	Analytical procedures for determining Pb and Sr isotopic compositions in water samples by ID-TIMS. Quimica Nova, 2008, 31, 1836-1842.	0.3	5
81	A sequência pr-glacial do Grupo Macaébas na área-tipo e o registro da abertura do rifte Araçuaia-Revista Brasileira De Geociências, 2008, 38, 761-772.	0.1	17
82	Nova unidade litoestratigráfica registra glaciação ediacarana em Mato Grosso: formação Serra Azul. Geologia USP - Serie Científica, 2008, 8, 65-75.	0.1	11
83	Glacial diamictites of Serra Azul Formation (Ediacaran, Paraguay belt): Evidence of the Gaskiers glacial event in Brazil. Journal of South American Earth Sciences, 2007, 23, 236-241.	0.6	50
84	Deformation of a pervasively molten middle crust: insights from the neoproterozoic Ribeira Araçuaia- orogen (SE Brazil). Terra Nova, 2007, 19, 278-286.	0.9	50
85	Direct dating of the Sete Lagoas cap carbonate (Bambuá-Group, Brazil) and implications for the Neoproterozoic glacial events. Terra Nova, 2007, 19, 401-406.	0.9	130
86	Lead isotope constraints on the genesis of Pb-Zn deposits in the Neoproterozoic Vazante Group, Minas Gerais, Brazil. Gondwana Research, 2007, 11, 382-395.	3.0	23
87	Isotope geochemistry of the mafic dikes from the Vazante nonsulfide zinc deposit, Brazil. Journal of South American Earth Sciences, 2005, 18, 293-304.	0.6	17
88	XISTOS VERDES DO ALTO ARAÇUAIA, MINAS GERAIS: VULCANISMO BÁSICO DO RIFTE NEOPROTEROZOICO MACAÉBAS. Revista Brasileira De Geociências, 2005, 35, 59-69.	0.1	17
89	GEOCRONOLOGIA U-Pb (SHRIMP) E Sm-Nd DE XISTOS VERDES BÁSICOS DO ORÓGENO ARAÇUAIA, IMPLICAÇÕES PARA A IDADE DO GRUPO MACAÉBAS. Revista Brasileira De Geociências, 2005, 35, 77-81.	0.1	22
90	Paleomagnetism and geochronology of the Bebedouro cap carbonate: evidence for continental-scale Cambrian remagnetization in the São Francisco craton, Brazil. Precambrian Research, 2004, 128, 83-103.	1.2	47

#	ARTICLE	IF	CITATIONS
91	Carbon isotopes of Mesoproterozoic–Neoproterozoic sequences from Southern São Francisco craton and Araçuaia Belt, Brazil: Paleographic implications. <i>Journal of South American Earth Sciences</i> , 2004, 18, 27-39.	0.6	40
92	A idade e natureza da Fonte do Granito do Moinho, Faixa Ribeira, Sudeste do Estado de São Paulo. <i>Geologia USP - Serie Cientifica</i> , 2004, 4, 91-100.	0.1	6
93	The Serid3 Group of NE Brazil, a late Neoproterozoic pre- to syn-collisional basin in West Gondwana: insights from SHRIMP U–Pb detrital zircon ages and Sm–Nd crustal residence (TDM) ages. <i>Precambrian Research</i> , 2003, 127, 287-327.	1.2	147
94	Pb isotopic signatures of the atmosphere of the São Paulo city, Brazil. <i>European Physical Journal Special Topics</i> , 2003, 107, 87-90.	0.2	7
95	Age and Origin of the Cu (Au-Mo-Ag) Salobo 3A Ore Deposit, Carajas Mineral Province, Amazonian Craton, Northern Brazil. <i>Episodes</i> , 2003, 26, 2-9.	0.8	30
96	Proterozoic geologic evolution of the SW part of the Amazonian Craton in Mato Grosso state, Brazil. <i>Precambrian Research</i> , 2001, 111, 91-128.	1.2	136
97	Simultaneous remagnetization and U–Pb isotope resetting in Neoproterozoic carbonates of the São Francisco craton, Brazil. <i>Precambrian Research</i> , 2000, 99, 179-196.	1.2	50
98	Lead isotope evidence for recent uranium mobility in geological formations of Brazil: implications for radioactive waste disposal. <i>Applied Geochemistry</i> , 1999, 14, 197-221.	1.4	7
99	Pb–Pb dating and Pb isotope geochemistry of Neoproterozoic carbonate rocks from the São Francisco basin, Brazil: implications for the mobility of Pb isotopes during tectonism and metamorphism. <i>Chemical Geology</i> , 1999, 160, 175-199.	1.4	75
100	Lead isotope evidence for recent uranium mobility in geological formations of Brazil: Implications for radioactive waste disposal. <i>Science Bulletin</i> , 1998, 43, 4-4.	1.7	0
101	U-Pb and Sm-Nd geochronology of the neoproterozoic granitic-gneissic Dom Feliciano belt, Southern Brazil. <i>Journal of South American Earth Sciences</i> , 1997, 10, 263-274.	0.6	142
102	Juvenile accretion at 750–700 Ma in southern Brazil. <i>Geology</i> , 1996, 24, 439.	2.0	152
103	Tectonic setting and U/Pb zircon dating of the plutonic Socorro Complex in the Transpressive Rio Paraíba do Sul Shear Belt, SE Brazil. <i>Tectonics</i> , 1996, 15, 688-699.	1.3	67
104	and geochronologic studies of the eastern Borborema Province, Northeastern Brazil: initial conclusions. <i>Journal of South American Earth Sciences</i> , 1995, 8, 267-288.	0.6	268
105	Isotope stratigraphy of Bambui, a Neoproterozoic cover in western Gondwana, Brazil. <i>Journal of South American Earth Sciences</i> , 1995, 8, III-IV.	0.6	0
106	Discovery of Neoproterozoic juvenile accretion and crustal remobilization belts formed during the Brasiliano Cycle in southern Brazil, based on U-Pb and Sm-Nd geochronology. <i>Journal of South American Earth Sciences</i> , 1995, 8, IV-V.	0.6	0
107	Highly 13C-enriched carbonate and organic matter in the Neoproterozoic sediments of the Bambuí Group, Brazil. <i>Precambrian Research</i> , 1995, 73, 271-282.	1.2	66
108	The Pb/Pb age of the Minas Supergroup carbonate rocks, Quadrilátero Ferrífero, Brazil. <i>Precambrian Research</i> , 1995, 72, 235-245.	1.2	148