Elson Oliveira

List of Publications by Year
in descending order

55 papers	1,839 citations	218381 26 h-index	264894 42 g-index
58 all docs	58 docs citations	58 times ranked	1052 citing authors

#	Article	IF	Citations
1	Evidence for change in crust formation process during the Paleoarchean in the SÃ£o Francisco Craton (GaviÃ£o Block): Coupled zircon Lu-Hf and U-Pb isotopic analyses and tectonic implications. Precambrian Research, 2022, 368, 106472.	1.2	5
2	Geophysical data reveal a tectonic indentation and constrain the transition zone between the SÃ£o Francisco Craton and the Borborema Paleoplates across the Neoproterozoic Sergipano Orogen, beneath the Cretaceous Tucano Basin, NE Brazil. Tectonophysics, 2022, 833, 229296.	0.9	3
3	Earth's oldest hotspot track at ca. 1.8 Ga advected by a global subduction system. Earth and Planetary Science Letters, 2022, 585, 117530.	1.8	17
4	High-K granites between the Archean GaviÃ£o and JequiÃ© blocks, SÃ£o Francisco Craton, Brazil: Implications for cratonization and amalgamation of the Rhyacian Atlantica continent. Journal of South American Earth Sciences, 2021, 105, 102920.	0.6	5
5	Geochronology and petrogenesis of the TTG gneisses and granitoids from the Central Bundelkhand granite-greenstone terrane, Bundelkhand Craton, India: Implications for Archean crustal evolution and cratonization. Precambrian Research, 2021, 359, 106210.	1.2	27
6	Heavy minerals in provenance studies: an overview. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	14
7	Characterization of partial melting events in garnet-cordierite gneiss from the Kerala Khondalite Belt, India. Geoscience Frontiers, 2020, 11, 597-611.	4.3	21
8	Birthplace of the SÃ£o Francisco Craton, Brazil: Evidence from 3.60 to 3.64ÂGa Gneisses of the Mairi Gneiss Complex. Terra Nova, 2020, 32, 281-289.	0.9	34
9	Mesoarchaean (2820â€¯Ma) high-pressure mafic granulite at UauÃ¡, SÃ£o Francisco Craton, Brazil, and its potential significance for the assembly of Archaean supercratons. Precambrian Research, 2019, 331, 105366.	1.2	15
10	Geochemistry and Sm Nd isotope systematics of mafic-ultramafic rocks from the Babina and Mauranipur greenstone belts, Bundelkhand Craton, India: Implications for tectonic setting and Paleoarchean mantle evolution. Lithos, 2019, 330-331, 90-107.	0.6	43
11	Geochemistry and petrogenesis of sanukitoids and high-K anatectic granites from the Bundelkhand Craton, India: Implications for late-Archean crustal evolution. Journal of Asian Earth Sciences, 2019, 174, 263-282.	1.0	45
12	Revisiting the paleomagnetism of the Neoarchean UauÃ¡ mafic dyke swarm, Brazil: Implications for Archean supercratons. Precambrian Research, 2019, 329, 108-123.	1.2	16
13	Neoarchean reworking of TTG-like crust in the southernmost portion of the SÃ£o Francisco Craton: U-Pb zircon dating and geochemical evidence from the SÃ£o Tiago Batholith. Precambrian Research, 2018, 314, 353-376.	1.2	19
14	U-Pb geochronology of the 2.0 Ga Itapecerica graphite-rich supracrustal succession in the SÃ£o Francisco Craton: Tectonic matches with the North China Craton and paleogeographic inferences. Precambrian Research, 2017, 293, 91-111.	1.2	56
15	Geochemistry of komatiites and basalts from the Rio das Velhas and Pitangui greenstone belts, SÃ£o Francisco Craton, Brazil: Implications for the origin, evolution, and tectonic setting. Lithos, 2017, 284-285, 560-577.	0.6	20
16	Geochronological and geochemical evidences for extension-related Neoarchean granitoids in the southern SÃ£o Francisco Craton, Brazil. Precambrian Research, 2017, 294, 322-343.	1.2	31
17	The Sergipano Belt. Regional Geology Reviews, 2017, , 241-254.	1.2	4
18	The 2.58 Ga SÃ£o JosÃ© do Jacuipe gabbro-anorthosite stratiform complex, Itabuna-Salvador-CuraÃ§Ã¡ Orogen, SÃ£o Francisco Craton, Brazil: Root of the Neoarchaean Caraiba continental arc?. Journal of South American Earth Sciences, 2017, 79, 326-341.	0.6	17

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19	Detrital zircon U-Pb ages as evidence for deposition of the SaÃºde Complex in a Paleoproterozoic foreland basin, northern SÃ£o Francisco Craton, Brazil. Journal of South American Earth Sciences, 2017, 79, 537-548.	0.6	17
20	Field and geochronological evidence for origin of the Contendas-Mirante supracrustal Belt, SÃ£o Francisco Craton, Brazil, as a Paleoproterozoic foreland basin. Precambrian Research, 2017, 299, 117-131.	1.2	14
21	Tectonic Implications of the Combined Use of Tectonomagmatic Geochemical Discrimination Diagrams and Indicators of Magma Flow Sense in Mafic Dykes. Acta Geologica Sinica, 2016, 90, 39-39.	0.8	0
22	Anatomy of the Alto Alegre gneiss dome, SÃ£o Francisco Craton, Brazil: A geological record of transpression along a Palaeoproterozoic arc-continent collision zone. Precambrian Research, 2016, 286, 250-268.	1.2	10
23	3.30 Ga high-silica intraplate volcanicâ€“plutonic system of the GaviÃ£o Block, SÃ£o Francisco Craton, Brazil: Evidence of an intracontinental rift following the creation of insulating continental crust. Lithos, 2016, 266-267, 414-434.	0.6	36
24	U-Pb baddeleyite dating of the Proterozoic ParÃ¡ de Minas dyke swarm in the SÃ£o Francisco craton (Brazil) â€“ implications for tectonic correlation with the Siberian, Congo and North China cratons. Gff, 2016, 138, 219-240.	0.4	53
25	Tectonic Setting of Basic Rocks of Borborema Province, Brazil, Inferred from Multi-Dimensional Discrimination Diagrams. , 2016, , 449-453.		0
26	LA-SF-ICP-MS zircon Uâ€“Pb geochronology of granitic rocks from the central Bundelkhand greenstone complex, Bundelkhand craton, India. Journal of Asian Earth Sciences, 2016, 118, 125-137.	1.0	64
27	Application of 55 multi-dimensional tectonomagmatic discrimination diagrams to Precambrian belts. International Geology Review, 2015, 57, 1365-1388.	1.1	17
28	Convergent margin magmatism and crustal evolution during Archean-Proterozoic transition in the Jiaobei terrane: Zircon Uâ€“Pb ages, geochemistry, and Nd isotopes of amphibolites and associated grey gneisses in the Jiaodong complex, North China Craton. Precambrian Research, 2015, 264, 98-118.	1.2	38
29	Tectonic setting of basic igneous and metaigneous rocks of Borborema Province, Brazil using multi-dimensional geochemical discrimination diagrams. Journal of South American Earth Sciences, 2015, 58, 309-317.	0.6	9
30	Detrital zircon Uâ€“Pb geochronology and whole-rock Nd-isotope constraints on sediment provenance in the Neoproterozoic Sergipano orogen, Brazil: From early passive margins to late foreland basins. Tectonophysics, 2015, 662, 183-194.	0.9	42
31	Phase equilibria and trace element modeling of Archean sanukitoid melts. Precambrian Research, 2015, 269, 122-138.	1.2	20
32	Plate tectonic settings for Precambrian basic rocks from Brazil by multidimensional tectonomagmatic discrimination diagrams and their limitations. International Geology Review, 2015, 57, 1566-1581.	1.1	15
33	Age, composition, and source of continental arc- and syn-collision granites of the Neoproterozoic Sergipano Belt, Southern Borborema Province, Brazil. Journal of South American Earth Sciences, 2015, 58, 257-280.	0.6	41
34	First precise Uâ€“Pb baddeleyite ages of 1500Ma mafic dykes from the SÃ£o Francisco Craton, Brazil, and tectonic implications. Lithos, 2013, 174, 144-156.	0.6	80
35	Application of multi-dimensional discrimination diagrams and probability calculations to Paleoproterozoic acid rocks from Brazilian cratons and provinces to infer tectonic settings. Journal of South American Earth Sciences, 2013, 45, 117-146.	0.6	10
36	Age and origin of the Neoproterozoic Brauna kimberlites: Melt generation within the metasomatized base of the SÃ£o Francisco craton, Brazil. Chemical Geology, 2013, 353, 19-35.	1.4	28

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37	Uâ€“Pb ages and geochemistry of mafic dyke swarms from the UauÃ¡ Block, SÃ£o Francisco Craton, Brazil: LIPs remnants relevant for Late Archaean break-up of a supercraton. Lithos, 2013, 174, 308-322.	0.6	37
38	Provenance of zircon xenocrysts in the Neoproterozoic Brauna Kimberlite Field, SÃ£o Francisco Craton, Brazil: Evidence for a thick Palaeoproterozoic lithosphere beneath the Serrinha block. Journal of South American Earth Sciences, 2013, 45, 83-96.	0.6	10
39	Sediment provenance in the Palaeoproterozoic Rio Itapicuru greenstone belt, Brazil, indicates deposition on arc settings with a hidden 2.17â€“2.25Ga substrate. Journal of South American Earth Sciences, 2012, 38, 89-109.	0.6	11
40	A depositional model for a waveâ€dominated openâ€coast tidal flat, based on analyses of the Cambrianâ€“Ordovician Lagarto and Palmares formations, northâ€eastern Brazil. Sedimentology, 2012, 59, 1613-1639.	1.6	30
41	The Fazenda GaviÃ£o granodiorite and associated potassic plutons as evidence for Palaeoproterozoic arc-continent collision in the Rio Itapicuru greenstone belt, Brazil. Journal of South American Earth Sciences, 2011, 32, 127-141.	0.6	25
42	The Rio Capim volcanicâ€“plutonicâ€“sedimentary belt, SÃ£o Francisco Craton, Brazil: Geological, geochemical and isotopic evidence for oceanic arc accretion during Palaeoproterozoic continental collision. Gondwana Research, 2011, 19, 735-750.	3.0	56
43	The Late Archaean UauÃ¡ Mafic Dyke Swarm, SÃ£o Francisco Craton, Brazil, and Implications for Palaeoproteozoic Extrusion Tectonics and Orogen Reconstruction. , 2011, , 19-31.		3
44	Mesoarchaean to Palaeoproterozoic growth of the northern segment of the Itabunaâ€“Salvadorâ€“CuraÃ§Ã¡ orogen, SÃ£o Francisco craton, Brazil. Geological Society Special Publication, 2010, 338, 263-286.	0.8	40
45	The Neoproterozoic Sergipano orogenic belt, NE Brazil: A complete plate tectonic cycle in western Gondwana. Precambrian Research, 2010, 181, 64-84.	1.2	152
46	The AlgodÃµes amphiboliteâ€“tonalite gneiss sequence, Borborema Province, NE Brazil: Geochemical and geochronological evidence for Palaeoproterozoic accretion of oceanic plateau/back-arc basalts and adakitic plutons. Gondwana Research, 2009, 15, 71-85.	3.0	58
47	Uâ€“Pb dating of granites in the Neoproterozoic Sergipano Belt, NE-Brazil: Implications for the timing and duration of continental collision and extrusion tectonics in the Borborema Province. Gondwana Research, 2009, 15, 86-97.	3.0	61
48	Proterozoic links between the Borborema Province, NE Brazil, and the Central African Fold Belt. Geological Society Special Publication, 2008, 294, 69-99.	0.8	218
49	Contrasting copper and chromium metallogenic evolution of terranes in the Palaeoproterozoic Itabunaâ€“Salvadorâ€“CuraÃ§Ã¡ orogen, SÃ£o Francisco craton, Brazil: new zircon (SHRIMP) and Smâ€“Nd (model) ages and their significance for orogen-parallel escape tectonics. Precambrian Research, 2004, 128, 143-165.	1.2	54
50	Reconnaissance Uâ€“Pb geochronology of Precambrian quartzites from the CaldeirÃ£o belt and their basement, NE SÃ£o Francisco Craton, Bahia, Brazil: implications for the early evolution of the Paleoproterozoic Itabunaâ€“Salvadorâ€“CuraÃ§Ã¡ orogen. Journal of South American Earth Sciences, 2002, 15, 349-362.	0.6	42
51	Development of symmetrical and asymmetrical fabrics in sheet-like igneous bodies: the role of magma flow and wall-rock displacements in theoretical and natural cases. Journal of Structural Geology, 2001, 23, 1415-1428.	1.0	72
52	THE LAGOA DA VACA COMPLEX: AN ARCHAEAN LAYERED ANORTHOSITE BODY ON THE WESTERN EDGE OF THE UAUÃ•BLOCK, BAHIA, BRAZIL. Revista Brasileira De GeociÃªncias, 1998, 28, 201-208.	0.1	19
53	Petrogenesis of the late proterozoic curaï¿½ï¿½ mafic dyke swarm, Brazil: Asthenospheric magrnatisrn associated with continental collision. Mineralogy and Petrology, 1995, 53, 27-48.	0.4	7
54	Genesis of the Precambrian copper-rich Caraiba hypersthenite-norite complex, Brazil. Mineralium Deposita, 1995, 30, 351.	1.7	18

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55	Petrogenesis of the CanindÃ© de SÃ£o Francisco complex: A major Late Proterozoic gabbroic body in the Sergipe Foldbelt, northeastern Brazil. Journal of South American Earth Sciences, 1990, 3, 125-140.	0.6	38