

Elson Oliveira

List of Publications by Year in descending order

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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	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
2	The Neoproterozoic Sergipano orogenic belt, NE Brazil: A complete plate tectonic cycle in western Gondwana. Precambrian Research, 2010, 181, 64-84.	1.2	152
3	First precise U-Pb baddeleyite ages of 1500Ma mafic dykes from the São Francisco Craton, Brazil, and tectonic implications. Lithos, 2013, 174, 144-156.	0.6	80
4	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
5	LA-SF-ICP-MS zircon U-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
6	U-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
7	The Algodões amphibolite-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
8	The Rio Capim volcanic-plutonic-sedimentary belt, São 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
9	U-Pb geochronology of the 2.0 Ga Itapeçerica graphite-rich supracrustal succession in the São Francisco Craton: Tectonic matches with the North China Craton and paleogeographic inferences. Precambrian Research, 2017, 293, 91-111.	1.2	56
10	Contrasting copper and chromium metallogenic evolution of terranes in the Palaeoproterozoic Itabuna-Salvador-Curaçói orogen, São Francisco craton, Brazil: new zircon (SHRIMP) and Sm-Nd (model) ages and their significance for orogen-parallel escape tectonics. Precambrian Research, 2004, 128, 143-165.	1.2	54
11	U-Pb baddeleyite dating of the Proterozoic Parí de Minas dyke swarm in the São Francisco craton (Brazil): implications for tectonic correlation with the Siberian, Congo and North China cratons. Gff, 2016, 138, 219-240.	0.4	53
12	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
13	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 Paleoproterozoic mantle evolution. Lithos, 2019, 330-331, 90-107.	0.6	43
14	Reconnaissance U-Pb geochronology of Precambrian quartzites from the Caldeirão belt and their basement, NE São Francisco Craton, Bahia, Brazil: implications for the early evolution of the Paleoproterozoic Itabuna-Salvador-Curaçói orogen. Journal of South American Earth Sciences, 2002, 15, 349-362.	0.6	42
15	Detrital zircon U-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
16	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
17	Mesoarchaeon to Palaeoproterozoic growth of the northern segment of the Itabuna-Salvador-Curaçói orogen, São Francisco craton, Brazil. Geological Society Special Publication, 2010, 338, 263-286.	0.8	40
18	Petrogenesis of the Canindé de São 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

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19	Convergent margin magmatism and crustal evolution during Archean-Proterozoic transition in the Jiaobei terrane: Zircon U–Pb ages, geochemistry, and Nd isotopes of amphibolites and associated grey gneisses in the Jiaodong complex, North China Craton. <i>Precambrian Research</i> , 2015, 264, 98-118.	1.2	38
20	U–Pb ages and geochemistry of mafic dyke swarms from the Uauá Block, São Francisco Craton, Brazil: LIPs remnants relevant for Late Archaean break-up of a supercraton. <i>Lithos</i> , 2013, 174, 308-322.	0.6	37
21	3.30 Ga high-silica intraplate volcanic–plutonic system of the Gavião Block, São Francisco Craton, Brazil: Evidence of an intracontinental rift following the creation of insulating continental crust. <i>Lithos</i> , 2016, 266-267, 414-434.	0.6	36
22	Birthplace of the São Francisco Craton, Brazil: Evidence from 3.60 to 3.64 Ga Gneisses of the Mairi Gneiss Complex. <i>Terra Nova</i> , 2020, 32, 281-289.	0.9	34
23	Geochronological and geochemical evidences for extension-related Neoproterozoic granitoids in the southern São Francisco Craton, Brazil. <i>Precambrian Research</i> , 2017, 294, 322-343.	1.2	31
24	A depositional model for a wave-dominated open-coast tidal flat, based on analyses of the Cambrian–Ordovician Lagarto and Palmares formations, northeastern Brazil. <i>Sedimentology</i> , 2012, 59, 1613-1639.	1.6	30
25	Age and origin of the Neoproterozoic Brauna kimberlites: Melt generation within the metasomatized base of the São Francisco craton, Brazil. <i>Chemical Geology</i> , 2013, 353, 19-35.	1.4	28
26	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. <i>Precambrian Research</i> , 2021, 359, 106210.	1.2	27
27	The Fazenda Gavião granodiorite and associated potassic plutons as evidence for Palaeoproterozoic arc-continent collision in the Rio Itapicuru greenstone belt, Brazil. <i>Journal of South American Earth Sciences</i> , 2011, 32, 127-141.	0.6	25
28	Characterization of partial melting events in garnet-cordierite gneiss from the Kerala Khondalite Belt, India. <i>Geoscience Frontiers</i> , 2020, 11, 597-611.	4.3	21
29	Phase equilibria and trace element modeling of Archean sanukitoid melts. <i>Precambrian Research</i> , 2015, 269, 122-138.	1.2	20
30	Geochemistry of komatiites and basalts from the Rio das Velhas and Pitangui greenstone belts, São Francisco Craton, Brazil: Implications for the origin, evolution, and tectonic setting. <i>Lithos</i> , 2017, 284-285, 560-577.	0.6	20
31	Neoproterozoic reworking of TTG-like crust in the southernmost portion of the São Francisco Craton: U-Pb zircon dating and geochemical evidence from the São Tiago Batholith. <i>Precambrian Research</i> , 2018, 314, 353-376.	1.2	19
32	THE LAGOA DA VACA COMPLEX: AN ARCHAEOAN LAYERED ANORTHOSITE BODY ON THE WESTERN EDGE OF THE UAUÁ-BLOCK, BAHIA, BRAZIL. <i>Revista Brasileira De Geociências</i> , 1998, 28, 201-208.	0.1	19
33	Genesis of the Precambrian copper-rich Caraiba hypersthenite-norite complex, Brazil. <i>Mineralium Deposita</i> , 1995, 30, 351.	1.7	18
34	Application of 55 multi-dimensional tectonomagmatic discrimination diagrams to Precambrian belts. <i>International Geology Review</i> , 2015, 57, 1365-1388.	1.1	17
35	The 2.58 Ga São José do Jacuí gabbro-anorthosite stratiform complex, Itabuna-Salvador-Curaçá; Orogen, São Francisco Craton, Brazil: Root of the Neoproterozoic Caraiba continental arc?. <i>Journal of South American Earth Sciences</i> , 2017, 79, 326-341.	0.6	17
36	Detrital zircon U-Pb ages as evidence for deposition of the Saade Complex in a Paleoproterozoic foreland basin, northern São Francisco Craton, Brazil. <i>Journal of South American Earth Sciences</i> , 2017, 79, 537-548.	0.6	17

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37	Earth's oldest hotspot track at ca. 1.8 Ga advected by a global subduction system. <i>Earth and Planetary Science Letters</i> , 2022, 585, 117530.	1.8	17
38	Revisiting the paleomagnetism of the Neoproterozoic Uauacozinho mafic dyke swarm, Brazil: Implications for Archean supercratons. <i>Precambrian Research</i> , 2019, 329, 108-123.	1.2	16
39	Plate tectonic settings for Precambrian basic rocks from Brazil by multidimensional tectonomagmatic discrimination diagrams and their limitations. <i>International Geology Review</i> , 2015, 57, 1566-1581.	1.1	15
40	Mesoarchean (2820±Ma) high-pressure mafic granulite at Uauacozinho, São Francisco Craton, Brazil, and its potential significance for the assembly of Archean supercratons. <i>Precambrian Research</i> , 2019, 331, 105366.	1.2	15
41	Field and geochronological evidence for origin of the Contendas-Mirante supracrustal Belt, São Francisco Craton, Brazil, as a Paleoproterozoic foreland basin. <i>Precambrian Research</i> , 2017, 299, 117-131.	1.2	14
42	Heavy minerals in provenance studies: an overview. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	14
43	Sediment provenance in the Palaeoproterozoic Rio Itapicuru greenstone belt, Brazil, indicates deposition on arc settings with a hidden 2.17±2.25Ga substrate. <i>Journal of South American Earth Sciences</i> , 2012, 38, 89-109.	0.6	11
44	Application of multi-dimensional discrimination diagrams and probability calculations to Paleoproterozoic acid rocks from Brazilian cratons and provinces to infer tectonic settings. <i>Journal of South American Earth Sciences</i> , 2013, 45, 117-146.	0.6	10
45	Provenance of zircon xenocrysts in the Neoproterozoic Brauna Kimberlite Field, São Francisco Craton, Brazil: Evidence for a thick Palaeoproterozoic lithosphere beneath the Serrinha block. <i>Journal of South American Earth Sciences</i> , 2013, 45, 83-96.	0.6	10
46	Anatomy of the Alto Alegre gneiss dome, São Francisco Craton, Brazil: A geological record of transpression along a Palaeoproterozoic arc-continent collision zone. <i>Precambrian Research</i> , 2016, 286, 250-268.	1.2	10
47	Tectonic setting of basic igneous and metagneous rocks of Borborema Province, Brazil using multi-dimensional geochemical discrimination diagrams. <i>Journal of South American Earth Sciences</i> , 2015, 58, 309-317.	0.6	9
48	Petrogenesis of the late proterozoic Curupira mafic dyke swarm, Brazil: Asthenospheric magmatism associated with continental collision. <i>Mineralogy and Petrology</i> , 1995, 53, 27-48.	0.4	7
49	High-K granites between the Archean Gavião and Jequiá blocks, São Francisco Craton, Brazil: Implications for cratonization and amalgamation of the Rhyacian Atlantica continent. <i>Journal of South American Earth Sciences</i> , 2021, 105, 102920.	0.6	5
50	Evidence for change in crust formation process during the Paleoproterozoic in the São Francisco Craton (Gavião Block): Coupled zircon Lu-Hf and U-Pb isotopic analyses and tectonic implications. <i>Precambrian Research</i> , 2022, 368, 106472.	1.2	5
51	The Sergipano Belt. <i>Regional Geology Reviews</i> , 2017, , 241-254.	1.2	4
52	The Late Archean Uauacozinho Mafic Dyke Swarm, São Francisco Craton, Brazil, and Implications for Palaeoproterozoic Extrusion Tectonics and Orogen Reconstruction. , 2011, , 19-31.		3
53	Geophysical data reveal a tectonic indentation and constrain the transition zone between the São Francisco Craton and the Borborema Paleoplates across the Neoproterozoic Sergipano Orogen, beneath the Cretaceous Tucano Basin, NE Brazil. <i>Tectonophysics</i> , 2022, 833, 229296.	0.9	3
54	Tectonic Implications of the Combined Use of Tectonomagmatic Geochemical Discrimination Diagrams and Indicators of Magma Flow Sense in Mafic Dykes. <i>Acta Geologica Sinica</i> , 2016, 90, 39-39.	0.8	0

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55	Tectonic Setting of Basic Rocks of Borborema Province, Brazil, Inferred from Multi-Dimensional Discrimination Diagrams. , 2016, , 449-453.		0