Carlos Alberto Tello SÃ¡enz

List of Publications by Year
in descending order

56 papers	636 citations	687363 13 h-index	610901 24 g-index
56 all docs	56 docs citations	56 times ranked	431 citing authors

#	Article	IF	Citations
1	Recognition of Cretaceous, Paleocene, and Neogene tectonic reactivation through apatite fission-track analysis in Precambrian areas of southeast Brazil: association with the opening of the south Atlantic Ocean. Journal of South American Earth Sciences, 2003, 15, 765-774.	1.4	80
2	Consolidation and Break-up of the South American Platform in Southeastern Brazil: Tectonothermal and Denudation Histories. Gondwana Research, 2004, 7, 91-101.	6.0	73
3	The use of apatite fission track thermochronology to constrain fault movements and sedimentary basin evolution in northeastern Brazil. Radiation Measurements, 2005, 39, 627-633.	1.4	49
4	Durango apatite fissionâ€“track dating using length-based age corrections and neutron fluence measurements by natural thorium thin films and natural U-doped glasses calibrated through natural uranium thin films. Chemical Geology, 2002, 187, 201-211.	3.3	42
5	Annealing experiments on induced fission tracks in apatite: Measurements of horizontal-confined track lengths and track densities in basal sections and randomly oriented grains. American Mineralogist, 2006, 91, 252-260.	1.9	26
6	The use of the U(n,f) reaction dosimetry in the determination of the Î»f value through fission-track techniques. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 496, 215-221.	1.6	24
7	Title is missing!. Journal of Radioanalytical and Nuclear Chemistry, 2003, 258, 117-122.	1.5	23
8	Kinetic model for the annealing of fission tracks in zircon. Radiation Measurements, 2005, 40, 517-521.	1.4	23
9	Fission track analysis of apatites from SÃ£o Francisco craton and Mesozoic alcaline-carbonatite complexes from central and southeastern Brazil. Journal of South American Earth Sciences, 1997, 10, 285-294.	1.4	22
10	Thermochronology of the South American platform in the state of SÃ£o Paulo, Brazil, through apatite fission tracks. Radiation Measurements, 2005, 39, 635-640.	1.4	22
11	Fission track and Uâ€“Pb in situ dating applied to detrital zircon from the Vale do Rio do Peixe Formation, Bauru Group, Brazil. Journal of South American Earth Sciences, 2011, 31, 298-305.	1.4	21
12	Uranium and thorium thin film calibrations by particle track techniques. Journal of Radioanalytical and Nuclear Chemistry, 2004, 262, 461-468.	1.5	17
13	Kinetic model for the relationship between confined fission-track length shortening and fission-track age reduction in minerals. Nuclear Instruments & Methods in Physics Research B, 2004, 217, 627-636.	1.4	13
14	Experimental study of a methodology for Fission-track Dating without neutron irradiation. Radiation Measurements, 2009, 44, 955-957.	1.4	13
15	A PC compatible Brazilian software for obtaining thermal histories using apatite fission track analysis. Radiation Measurements, 2001, 34, 149-154.	1.4	12
16	Fission-track dating of Macusanite glasses with plateau and size correction methods. Radiation Measurements, 2003, 36, 407-412.	1.4	12
17	Radon surveys in Brazil using CR-39. Radiation Measurements, 2005, 39, 657-660.	1.4	12
18	Molecular Architecture and Electrical Properties in Evaporated Films of Cobalt Phthalocyanine. Journal of Nanoscience and Nanotechnology, 2012, 12, 7010-7020.	0.9	12

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19	Indoor radon and radon daughters survey at Campinas-Brazil using CR-39: First results. Radiation Measurements, 1999, 31, 287-290.	1.4	11
20	Further investigation of the initial fission-track length and geometry factor in apatite fission-track thermochronology. American Mineralogist, 2013, 98, 1381-1392.	1.9	11
21	Microâ€Raman spectroscopy and SEM/EDX applied to improve the zircon fission track method used for dating geological formations. Journal of Raman Spectroscopy, 2009, 40, 101-106.	2.5	9
22	The Th/U ratio in minerals by a fission-track technique: application to some reference samples in order to estimate the influence of Th in fission-track dating. Radiation Measurements, 2002, 35, 195-201.	1.4	8
23	On epidote fission track dating. Radiation Measurements, 2005, 39, 641-645.	1.4	7
24	Effects of Etching on Zircon Grains and its Implications for the Fission Track Method. Applied Spectroscopy, 2012, 66, 545-551.	2.2	7
25	A comparison between neutron-fluence measurements using metal-activation monitors and standard glasses calibrated via thin uranium-fission monitors and via Î·q method. Radiation Measurements, 2013, 53-54, 38-44.	1.4	7
26	Micro-Raman Spectroscopic Characterization of a CR-39 Detector. Applied Spectroscopy, 2013, 67, 404-408.	2.2	7
27	Fission track and Uâ€“Pb double dating of detrital zircon applied to the intracratonic Mesozoic Bauru Basin, Brazil. Geological Journal, 2018, 53, 1767-1780.	1.3	7
28	U and Th thin film neutron dosimetry for fission-track dating: application to the age standard Moldavite. Radiation Measurements, 2005, 39, 665-668.	1.4	6
29	On the annealing of fission tracks in randomly oriented grains of apatite. Nuclear Instruments & Methods in Physics Research B, 2007, 256, 683-692.	1.4	6
30	An automatic method for segmentation of fission tracks in epidote crystal photomicrographs. Computers and Geosciences, 2014, 69, 55-61.	4.2	6
31	Determination of the 238U spontaneous fission decay constant without neutron irradiation. Journal of Radioanalytical and Nuclear Chemistry, 2002, 253, 73-76.	1.5	5
32	Recalibration of U-doped standard glasses through uranium thin film for neutron-fluence measurements. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 17-26.	1.5	5
33	Zircon fission track and Uâ€“Pb dating methods applied to SÃ£o Paulo and TaubatÃ© Basins located in the southeast Brazil. Radiation Measurements, 2013, 50, 172-180.	1.4	4
34	A discussion of the reliability of alpha-spectroscopy using CR-39 and an image processor. Radiation Measurements, 1995, 25, 749-752.	1.4	3
35	Kinetic model for the relationship between mean diameter shortening and age reduction in glass samples. Radiation Measurements, 2005, 39, 647-652.	1.4	3
36	Comment on: â€œLow temperature Phanerozoic history of the Northern Yilgarn Craton, Western Australiaâ€• by U. D. Weber et al. [Tectonophysics 400 (2005) 127â€“151]. Tectonophysics, 2006, 419, 103-105.	2.2	3

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37	Raman Spectroscopy and Scanning Electron Microscopy Characterizations of Fission Track Method Datable Zircon Grains. Applied Spectroscopy, 2014, 68, 549-556.	2.2	3
38	Evidence for a correlation between total lead concentrations in soils and the presence of geological faults. Environmental Chemistry Letters, 2017, 15, 481-488.	16.2	3
39	Fission track analysis of some Brazilian apatites. Radiation Measurements, 1995, 25, 499-502.	1.4	2
40	Anisotropy of track revelation in epidote: Results of a step etching experiment with 86Kr ion tracks. Radiation Measurements, 2011, 46, 722-725.	1.4	2
41	Novel etching protocol for epidote fission tracks. Radiation Measurements, 2018, 118, 26-30.	1.4	2
42	Raman and FT-IR investigation of neutron and fission-fragment irradiated DAP polymer. Vibrational Spectroscopy, 2019, 105, 102971.	2.2	2
43	Group analysis method for fission track thermochronology. Radiation Measurements, 2008, 43, S163-S168.	1.4	1
44	Projected length annealing of etched 152Sm ion tracks in apatite. Nuclear Instruments & Methods in Physics Research B, 2012, 288, 48-52.	1.4	1
45	Extrapolation of zircon fission-track annealing models. Radiation Measurements, 2013, 50, 192-196.	1.4	1
46	The effect of chemical and physical imperfections in zircon grains in influencing the U-Pb age analyses: Insights from zircon fission track etching. Lithos, 2019, 346-347, 105138.	1.4	1
47	Sedimentary provenance of the MarÃlia Formation (Bauru Basin), Southeast Brazil. Geological Journal, 2020, 55, 2834-2850.	1.3	1
48	Thermochronology and exhumation history of the basement and sediments of the NNE border of the ParanÃ¡ basin, Brazil. Journal of South American Earth Sciences, 2020, 99, 102512.	1.4	1
49	Fission-track evolution in Macusanite volcanic glass. Radiation Physics and Chemistry, 2020, 176, 109076.	2.8	1
50	Physico-Chemical Characterization of Macusanite and Inclusions: A Volcanic Glass from Peruvian Andes. Materials Research, 2021, 24, .	1.3	1
51	CONTRIBUIÃ‡ÃƒO Ã€ ANÃLISE DE PROVENIÃŠNCIA SEDIMENTAR PELO MÃ‰TODO TRAÃ‡OS DE FISSÃƒO EM ZIRCÃƒO E INFLUÃŠNCIAS ESTRUTURAIS PARA A FORMAÃ‡ÃƒO DO PLANALTO RESIDUAL DE MARÃLIA. Revista Brasileira De Geomorfologia, 2014, 14, .	0.2	1
52	QUANTIFICAÃ‡ÃƒO DE CHUMBO EM SOLOS: UM ESTUDO COMPARATIVO ENTRE ÃREAS DE FALHA GEOLÃ“GICA E ÃREAS RURAIS NA CIDADE DE PRESIDENTE PRUDENTE/SP. Colloquium Exactarum, 2014, 6, 54-71.	0.0	1
53	Electrospun natural rubber fibers-based flexible conductive membranes. Revista Materia, 2020, 25, .	0.2	1
54	Molecular Dynamics simulations of track formation at different ensembles. Radiation Measurements, 2013, 48, 68-72.	1.4	0

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55	Electrical characterization of the Macusanite volcanic glass and influence of nuclear fission tracks on electrical conductivity. Radiation Physics and Chemistry, 2020, 176, 108988.	2.8	0
56	Geology and U-Pb detrital zircon geochronology coupled with zircon fission tracks of the Jauru formation of Parecis Basin, Brazil. Journal of South American Earth Sciences, 2021, 105, 102958.	1.4	0