

# Carlos Alberto Tello SÃ¡enz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2571707/publications.pdf>

Version: 2024-02-01

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	Geology and U-Pb detrital zircon geochronology coupled with zircon fission tracks of the Jauru formation of Parecis Basin, Brazil. <i>Journal of South American Earth Sciences</i> , 2021, 105, 102958.	1.4	0
2	Physico-Chemical Characterization of Macusanite and Inclusions: A Volcanic Glass from Peruvian Andes. <i>Materials Research</i> , 2021, 24, .	1.3	1
3	Sedimentary provenance of the Marília Formation (Bauru Basin), Southeast Brazil. <i>Geological Journal</i> , 2020, 55, 2834-2850.	1.3	1
4	Thermochronology and exhumation history of the basement and sediments of the NNE border of the Paraná basin, Brazil. <i>Journal of South American Earth Sciences</i> , 2020, 99, 102512.	1.4	1
5	Electrical characterization of the Macusanite volcanic glass and influence of nuclear fission tracks on electrical conductivity. <i>Radiation Physics and Chemistry</i> , 2020, 176, 108988.	2.8	0
6	Fission-track evolution in Macusanite volcanic glass. <i>Radiation Physics and Chemistry</i> , 2020, 176, 109076.	2.8	1
7	Electrospun natural rubber fibers-based flexible conductive membranes. <i>Revista Materia</i> , 2020, 25, .	0.2	1
8	The effect of chemical and physical imperfections in zircon grains in influencing the U-Pb age analyses: Insights from zircon fission track etching. <i>Lithos</i> , 2019, 346-347, 105138.	1.4	1
9	Raman and FT-IR investigation of neutron and fission-fragment irradiated DAP polymer. <i>Vibrational Spectroscopy</i> , 2019, 105, 102971.	2.2	2
10	Fission track and U-Pb double dating of detrital zircon applied to the intracratonic Mesozoic Bauru Basin, Brazil. <i>Geological Journal</i> , 2018, 53, 1767-1780.	1.3	7
11	Novel etching protocol for epidote fission tracks. <i>Radiation Measurements</i> , 2018, 118, 26-30.	1.4	2
12	Evidence for a correlation between total lead concentrations in soils and the presence of geological faults. <i>Environmental Chemistry Letters</i> , 2017, 15, 481-488.	16.2	3
13	Recalibration of U-doped standard glasses through uranium thin film for neutron-fluence measurements. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 302, 17-26.	1.5	5
14	An automatic method for segmentation of fission tracks in epidote crystal photomicrographs. <i>Computers and Geosciences</i> , 2014, 69, 55-61.	4.2	6
15	Raman Spectroscopy and Scanning Electron Microscopy Characterizations of Fission Track Method Datable Zircon Grains. <i>Applied Spectroscopy</i> , 2014, 68, 549-556.	2.2	3
16	CONTRIBUIÇÃO À ANÁLISE DE PROVENIÊNCIA SEDIMENTAR PELO MÉTODO TRAZIDOS DE FISSÃO EM ZIRCÃO E INFLUÊNCIAS ESTRUTURAIS PARA A FORMAÇÃO DO PLANALTO RESIDUAL DE MARÍLIA. <i>Revista Brasileira De Geomorfologia</i> , 2014, 14, .	0.2	1
17	QUANTIFICAÇÃO DE CHUMBO EM SOLOS: UM ESTUDO COMPARATIVO ENTRE ÁREAS DE FALHA GEOLÓGICA E ÁREAS RURAIS NA CIDADE DE PRESIDENTE PRUDENTE/SP. <i>Colloquium Exactarum</i> , 2014, 6, 54-71.	0.0	1
18	Extrapolation of zircon fission-track annealing models. <i>Radiation Measurements</i> , 2013, 50, 192-196.	1.4	1

#	ARTICLE	IF	CITATIONS
19	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
20	A comparison between neutron-fluence measurements using metal-activation monitors and standard glasses calibrated via thin uranium-fission monitors and via Iq method. Radiation Measurements, 2013, 53-54, 38-44.	1.4	7
21	Molecular Dynamics simulations of track formation at different ensembles. Radiation Measurements, 2013, 48, 68-72.	1.4	0
22	Micro-Raman Spectroscopic Characterization of a CR-39 Detector. Applied Spectroscopy, 2013, 67, 404-408.	2.2	7
23	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
24	Molecular Architecture and Electrical Properties in Evaporated Films of Cobalt Phthalocyanine. Journal of Nanoscience and Nanotechnology, 2012, 12, 7010-7020.	0.9	12
25	Effects of Etching on Zircon Grains and its Implications for the Fission Track Method. Applied Spectroscopy, 2012, 66, 545-551.	2.2	7
26	Projected length annealing of etched 152Sm ion tracks in apatite. Nuclear Instruments & Methods in Physics Research B, 2012, 288, 48-52.	1.4	1
27	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
28	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
29	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
30	Experimental study of a methodology for Fission-track Dating without neutron irradiation. Radiation Measurements, 2009, 44, 955-957.	1.4	13
31	Group analysis method for fission track thermochronology. Radiation Measurements, 2008, 43, S163-S168.	1.4	1
32	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
33	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
34	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
35	On epidote fission track dating. Radiation Measurements, 2005, 39, 641-645.	1.4	7
36	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

#	ARTICLE	IF	CITATIONS
37	The use of apatite fission track thermochronology to constrain fault movements and sedimentary basin evolution in northeastern Brazil. <i>Radiation Measurements</i> , 2005, 39, 627-633.	1.4	49
38	Kinetic model for the annealing of fission tracks in zircon. <i>Radiation Measurements</i> , 2005, 40, 517-521.	1.4	23
39	Radon surveys in Brazil using CR-39. <i>Radiation Measurements</i> , 2005, 39, 657-660.	1.4	12
40	Kinetic model for the relationship between mean diameter shortening and age reduction in glass samples. <i>Radiation Measurements</i> , 2005, 39, 647-652.	1.4	3
41	Thermochronology of the South American platform in the state of SÃ£o Paulo, Brazil, through apatite fission tracks. <i>Radiation Measurements</i> , 2005, 39, 635-640.	1.4	22
42	Kinetic model for the relationship between confined fission-track length shortening and fission-track age reduction in minerals. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2004, 217, 627-636.	1.4	13
43	Consolidation and Break-up of the South American Platform in Southeastern Brazil: Tectonothermal and Denudation Histories. <i>Gondwana Research</i> , 2004, 7, 91-101.	6.0	73
44	Uranium and thorium thin film calibrations by particle track techniques. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2004, 262, 461-468.	1.5	17
45	Title is missing!. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2003, 258, 117-122.	1.5	23
46	Fission-track dating of Macusanite glasses with plateau and size correction methods. <i>Radiation Measurements</i> , 2003, 36, 407-412.	1.4	12
47	The use of the U(n,f) reaction dosimetry in the determination of the $\lambda_{\text{eff}}$ value through fission-track techniques. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 496, 215-221.	1.6	24
48	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. <i>Journal of South American Earth Sciences</i> , 2003, 15, 765-774.	1.4	80
49	Durango apatite fission-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. <i>Chemical Geology</i> , 2002, 187, 201-211.	3.3	42
50	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. <i>Radiation Measurements</i> , 2002, 35, 195-201.	1.4	8
51	Determination of the $^{238}\text{U}$ spontaneous fission decay constant without neutron irradiation. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2002, 253, 73-76.	1.5	5
52	A PC compatible Brazilian software for obtaining thermal histories using apatite fission track analysis. <i>Radiation Measurements</i> , 2001, 34, 149-154.	1.4	12
53	Indoor radon and radon daughters survey at Campinas-Brazil using CR-39: First results. <i>Radiation Measurements</i> , 1999, 31, 287-290.	1.4	11
54	Fission track analysis of apatites from SÃ£o Francisco craton and Mesozoic alkaline-carbonatite complexes from central and southeastern Brazil. <i>Journal of South American Earth Sciences</i> , 1997, 10, 285-294.	1.4	22

#	ARTICLE	IF	CITATIONS
55	Fission track analysis of some Brazilian apatites. Radiation Measurements, 1995, 25, 499-502.	1.4	2
56	A discussion of the reliability of alpha-spectroscopy using CR-39 and an image processor. Radiation Measurements, 1995, 25, 749-752.	1.4	3