Pedro A F P Moreira

List of Publications by Year
in descending order

23	199	1040056 9	1058476 14
papers	citations	h-index	g-index

23	23	23	228
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular-dynamics simulation of threshold displacement energies in zircon. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 3431-3436.	1.4	31
2	Kinetic model for the annealing of fission tracks in zircon. Radiation Measurements, 2005, 40, 517-521.	1.4	23
3	Atomistic simulation of track formation by energetic recoils in zircon. Journal of Physics Condensed Matter, 2010, 22, 395008.	1.8	21
4	Kinetic model for the annealing of fission tracks in minerals and its application to apatite. Radiation Measurements, 2006, 41, 392-398.	1.4	17
5	Improved zircon fission-track annealing model based on reevaluation of annealing data. Physics and Chemistry of Minerals, 2013, 40, 93-106.	0.8	17
6	Anomalous diffusion of water molecules at grain boundaries in ice I_h. Physical Chemistry Chemical Physics, 2018, 20, 13944-13951.	2.8	15
7	Experimental study of a methodology for Fission-track Dating without neutron irradiation. Radiation Measurements, 2009, 44, 955-957.	1.4	13
8	Nuclear quantum fluctuations in ice I_h. Physical Chemistry Chemical Physics, 2015, 17, 24716-24721.	2.8	10
9	Elastic constants of ice Ih as described by semi-empirical water models. Journal of Chemical Physics, 2019, 150, 044503.	3.0	10
10	On the calibration of fission-track annealing models. Chemical Geology, 2008, 248, 1-13.	3.3	8
11	On epidote fission track dating. Radiation Measurements, 2005, 39, 641-645.	1.4	7
12	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
13	Trapping of Hydrochloric and Hydrofluoric Acid at Vacancies on and underneath the Ice I_h Basal-Plane Surface. Journal of Physical Chemistry A, 2013, 117, 11066-11071.	2.5	5
14	D-optimal design of fission-track annealing experiments. Nuclear Instruments & Methods in Physics Research B, 2005, 240, 881-887.	1.4	4
15	Kinetic model for the relationship between mean diameter shortening and age reduction in glass samples. Radiation Measurements, 2005, 39, 647-652.	1.4	3
16	Fission track chemical etching kinetic model. Radiation Measurements, 2010, 45, 157-162.	1.4	3
17	Dynamical Fracture in Ice I h as Modeled by TIP4P/Ice and mW Water Potentials. Annalen Der Physik, 2020, 532, 1900587.	2.4	2
18	Comparison between thorium and uranium fission track diameters in glass. Radiation Measurements, 2008, 43, S329-S333.	1.4	1

#	Article	IF	Citations
19	Projected length annealing of etched 152Sm ion tracks in apatite. Nuclear Instruments & Methods in Physics Research B, 2012, 288, 48-52.	1.4	1
20	Extrapolation of zircon fission-track annealing models. Radiation Measurements, 2013, 50, 192-196.	1.4	1
21	Determining neighborhood phases in hard-sphere systems using machine learning. European Physical Journal B, 2021, 94, 1.	1.5	1
22	Molecular Dynamics simulations of track formation at different ensembles. Radiation Measurements, 2013, 48, 68-72.	1.4	0
23	O problema Fermi-Pasta-Ulam-Tsingou: EquipartÃ£o de energia vista atravÃ©s de simulaÃ§Ãµes computacionais. Revista Brasileira De Ensino De Fisica, 0, 43, .	0.2	0