Roberto Meigikos dos Anjos

List of Publications by Year
in descending order

82 papers	2,746 citations	218677 26 h-index	182427 51 g-index
82 all docs	82 docs citations	82 times ranked	1294 citing authors

#	Article	IF	Citations
1	Evaluation of microplastic and marine debris on the beaches of NiterÃ³i Oceanic Region, Rio De Janeiro, Brazil. Marine Pollution Bulletin, 2022, 175, 113161.	5.0	9
2	Using stable isotopes to discriminate anthropogenic impacts of the sedimentary organic matter pollution in the Rodrigo de Freitas Lagoon (RJ, Brazil). Environmental Science and Pollution Research, 2021, 28, 4515-4530.	5.3	4
3	AnÃ¡lise da percepÃ§Ã£o ambiental dos moradores do entorno das lagoas de Piratininga e Itaipu, NiterÃ³i (RJ). Revista Brasileira De EducaÃ§Ã£o Ambiental (RevBEA), 2021, 16, 446-469.	0.2	1
4	Abundance, distribution, and characteristics of microplastics in coastal surface waters of the Colombian Caribbean and Pacific. Environmental Science and Pollution Research, 2021, 28, 43431-43442.	5.3	29
5	Exploring Relationship between Perception Indicators and Mitigation Behaviors of Soil Erosion in Undergraduate Students in Sonora, Mexico. Sustainability, 2021, 13, 9282.	3.2	1
6	A review of 137Cs and 40K soil-to-plant transfer factors in tropical plants. Journal of Environmental Radioactivity, 2021, 235-236, 106650.	1.7	3
7	Plastic litter pollution along sandy beaches in the Caribbean and Pacific coast of Colombia. Environmental Pollution, 2020, 267, 115495.	7.5	49
8	Carbon dioxide sources and sinks in the delta of the ParaÃba do Sul River (Southeastern Brazil) modulated by carbonate thermodynamics, gas exchange and ecosystem metabolism during estuarine mixing. Marine Chemistry, 2020, 226, 103869.	2.3	15
9	First evidence of microplastic pollution in the El Quetzalito sand beach of the Guatemalan Caribbean. Marine Pollution Bulletin, 2020, 156, 111220.	5.0	32
10	Distribution of Plastic Debris in the Pacific and Caribbean Beaches of Panama. Air, Soil and Water Research, 2020, 13, 117862212092026.	2.5	12
11	Using infrared spectroscopy analysis of plastic debris to introduce concepts of interaction of electromagnetic radiation with matter. Physics Education, 2020, 55, 025014.	0.5	8
12	ISÃ“TOPOS ESTABLES DE COMPUESTOS ESPECÃFICOS PARA ESTIMAR LA REDISTRIBUCIÃ“N DEL SUELO POR EVENTOS EROSIVOS. Agrociencia, 2020, 54, 601-618.	0.1	2
13	Estudo da ecologia trÃ³fica do quelÃ´nio Podocnemis unifilis da regiÃ£o do baixo Xingu, utilizando anÃ¡lise isotÃ³pica de C e N. Revista Ibero-americana De CiÃªncias Ambientais, 2020, 11, 99-109.	0.1	0
14	Dispersal of potentially pathogenic bacteria by plastic debris in Guanabara Bay, RJ, Brazil. Marine Pollution Bulletin, 2019, 141, 561-568.	5.0	111
15	First use of a compound-specific stable isotope (CSSI) technique to trace sediment transport in upland forest catchments of Chile. Science of the Total Environment, 2018, 618, 1114-1124.	8.0	35
16	Exploring innovative techniques for identifying geochemical elements as fingerprints of sediment sources in an agricultural catchment of Argentina affected by soil erosion. Environmental Science and Pollution Research, 2018, 25, 20868-20879.	5.3	18
17	Coupling fallout 210Pb and stables isotopes (Î´13C, Î´15N) for catchment urbanization reconstruction in southeastern coastal zone of Brazil. Journal of Radioanalytical and Nuclear Chemistry, 2016, 310, 1021-1032.	1.5	6
18	Marine reservoir effect on the Southeastern coast of Brazil: results from the Tarioba shellmound paired samples. Journal of Environmental Radioactivity, 2015, 143, 14-19.	1.7	31

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19	Advances in the graphitization protocol at the Radiocarbon Laboratory of the Universidade Federal Fluminense (LAC-UFF) in Brazil. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 402-405.	1.4	27
20	Using 222Rn as a tracer of geophysical processes in underground environments. , 2014, , .		0
21	Chronological Model of a Brazilian Holocene Shellmound (Sambaqui da Tarioba, Rio de Janeiro,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	21
22	Na, K, Ca, Mg, and U-series in fossil bone and the proposal of a radial diffusionâ€“adsorption model of uranium uptake. Journal of Environmental Radioactivity, 2014, 136, 131-139.	1.7	8
23	Using 222Rn as a tracer of geodynamical processes in underground environments. Science of the Total Environment, 2014, 468-469, 12-18.	8.0	5
24	Temporal evolution of 137Cs+, K+ and Na+ in fruits of South American tropical species. Science of the Total Environment, 2013, 444, 115-120.	8.0	10
25	The Brazilian AMS Radiocarbon Laboratory (LAC-UFF) and the Intercomparison of Results with CENA and UGAMS. Radiocarbon, 2013, 55, 325-330.	1.8	36
26	Variability of 137Cs and 40K soil-to-fruit transfer factor in tropical lemon trees during the fruit development period. Journal of Environmental Radioactivity, 2012, 104, 64-70.	1.7	25
27	External gamma-ray dose rate and radon concentration in indoor environments covered with Brazilian granites. Journal of Environmental Radioactivity, 2011, 102, 1055-1061.	1.7	49
28	Assessment the Health Hazard from 222Rn in Old Metalliferous Mines in San Luis, Argentina. Water, Air, and Soil Pollution, 2011, 218, 371-386.	2.4	5
29	Application of radiometric analysis in the study of provenance and transport processes of Brazilian coastal sediments. Journal of Environmental Radioactivity, 2011, 102, 185-192.	1.7	55
30	Correlations between radiometric analysis of Quaternary deposits and the chronology of prehistoric settlements from the southeastern Brazilian coast. Journal of Environmental Radioactivity, 2010, 101, 75-81.	1.7	16
31	Occupational exposure to radon and natural gamma radiation in the La Carolina, a former gold mine in San Luis Province, Argentina. Journal of Environmental Radioactivity, 2010, 101, 153-158.	1.7	26
32	A New [sup 14]C-AMS Facility at UFF- Niteroi, Brazil. , 2010, , .		0
33	Accumulation of K[sup +] and Cs[sup +] in Tropical Plant Species. , 2010, , .		1
34	The Long-Term Tupiguarani Occupation in Southeastern Brazil. Radiocarbon, 2009, 51, 937-946.	1.8	15
35	Accumulation of 137Cs and 40K in aboveground organs of tropical woody fruit plants. Journal of Radioanalytical and Nuclear Chemistry, 2009, 281, 7-10.	1.5	7
36	First Report of Dry Rot Caused by Fusarium oxysporum on Rose (Rosa spp.) in Brazil. Plant Disease, 2009, 93, 766-766.	1.4	5

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37	40K/137Cs discrimination ratios to the aboveground organs of tropical plants. Journal of Environmental Radioactivity, 2008, 99, 1127-1135.	1.7	17
38	Provenance and Transport Processes of Sediments along the Southeastern Brazilian Coast. AIP Conference Proceedings, 2008, , .	0.4	0
39	Reevaluation of dating results for some 14C - AMS applications on the basis of the new calibration curves available. Brazilian Journal of Physics, 2008, 38, 138-143.	1.4	2
40	Radiometric Analyses of Beach Sands from the Southeast of Brazil. AIP Conference Proceedings, 2007, , .	0.4	3
41	Accumulation and distribution of 137Cs in tropical plants. AIP Conference Proceedings, 2007, , .	0.4	0
42	Gamma Radiation Measurements in Brazilian Commercial Granites. AIP Conference Proceedings, 2007, , .	0.4	0
43	Systematic study of the nuclear potential through high precision back-angle quasi-elastic scattering measurements. Physical Review C, 2007, 76, .	2.9	39
44	Radiocesium contamination behavior and its effect on potassium absorption in tropical or subtropical plants. Journal of Environmental Radioactivity, 2006, 86, 241-250.	1.7	14
45	Radioecology teaching: response to a nuclear or radiological emergency. European Journal of Physics, 2006, 27, 243-255.	0.6	5
46	O18+Pd110: Measurements and realistic coupled-channel analysis in a transitional region. Physical Review C, 2006, 74, .	2.9	12
47	Comprehensive study of reaction mechanisms for theBe9+Sm144system at near- and sub-barrier energies. Physical Review C, 2006, 73, .	2.9	144
48	Accumulation and long-term behavior of radiocaesium in tropical plants. Brazilian Journal of Physics, 2006, 36, 1345-1348.	1.4	3
49	Complete fusion of weakly bound nuclei applying the delayed X-ray technique: the 9Be + 144Sm system. Brazilian Journal of Physics, 2005, 35, 902-905.	1.4	2
50	Radioecological investigations in Brazilian tropical plants. Brazilian Journal of Physics, 2005, 35, 808-810.	1.4	6
51	Elastic, inelastic scatterings and transfer reactions for 16,18O on 58Ni described by the SÃ£o Paulo potential. Brazilian Journal of Physics, 2005, 35, 909-911.	1.4	10
52	Fusion, reaction, and breakup cross sections ofBe9on a light mass target. Physical Review C, 2005, 71, .	2.9	68
53	Uncertainties in the comparison of fusion and reaction cross sections of different systems involving weakly bound nuclei. Physical Review C, 2005, 71, .	2.9	127
54	Effect of the breakup on the fusion and elastic scattering of weakly bound projectiles onZn64. Physical Review C, 2005, 71, .	2.9	121

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55	Fusion, break-up and elastic scattering of weakly bound nuclei. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1669-S1673.	3.6	68
56	Does the break-up process influence the fusion cross section?. Brazilian Journal of Physics, 2004, 34, 737-741.	1.4	7
57	Threshold anomaly with weakly bound projectiles: Elastic scattering ofBe9+Al27. Physical Review C, 2004, 70, .	2.9	70
58	The Fusion of Stable Weakly Bound Nuclei. Progress of Theoretical Physics Supplement, 2004, 154, 92-100.	0.1	4
59	Radioecology teaching: evaluation of the background radiation levels from areas with high concentrations of radionuclides in soil. European Journal of Physics, 2004, 25, 133-144.	0.6	24
60	Effect of breakup on the fusion ofLi6,Li7, andBe9with heavy nuclei. Physical Review C, 2004, 70, .	2.9	333
61	137Cs distribution in guava trees. Brazilian Journal of Physics, 2004, 34, 841-844.	1.4	5
62	AMS dating of early shellmounds of the southeastern Brazilian coast. Brazilian Journal of Physics, 2003, 33, 276-279.	1.4	18
63	Fusion and breakup in the reactions of6Liand7Linuclei with209Bi. Physical Review C, 2002, 66, .	2.9	168
64	Fusion of stable weakly bound nuclei with27Aland64Zn. Physical Review C, 2002, 66, .	2.9	69
65	The Antiquity of the Prehistoric Settlement of the Central-South Brazilian Coast. Radiocarbon, 2002, 44, 733-738.	1.8	37
66	Measurements Performed in GoiÂnia after a new Intervention Action in 2001. Radiation Protection Dosimetry, 2002, 98, 433-435.	0.8	6
67	Precise nuclear matter densities from heavy-ion collisions. Physical Review C, 2001, 65, .	2.9	18
68	Low-lying inelastic channel couplings versus breakup effects on the fusion cross section. Physical Review C, 2001, 64, .	2.9	35
69	Remains of 137Cs Contamination in the City of GoiÂnia, Brazil. Radiation Protection Dosimetry, 2001, 95, 165-171.	0.8	8
70	AMBIENT DOSE EQUIVALENT RATE IN GOIÃ‚NIA 12 YEARS AFTER THE 137Cs RADIOLOGICAL ACCIDENT. Health Physics, 2001, 80, 532-536.	0.5	3
71	Radioactivity teaching: Environmental consequences of the radiological accident in GoiÃ¢nia (Brazil). American Journal of Physics, 2001, 69, 377-381.	0.7	14
72	Fusion and elastic scattering of9Be+64Zn:A search of the breakup influence on these processes. Physical Review C, 2000, 61, .	2.9	107

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73	Influence of the6,7Libreakup process on the near barrier elastic scattering by heavy nuclei. Physical Review C, 1999, 59, 2103-2107.	2.9	115
74	Fusion versus Breakup: Observation of Large Fusion Suppression for9Be+208Pb. Physical Review Letters, 1999, 82, 1395-1398.	7.8	264
75	Elastic scattering of27Al+27Alat near barrier energies. Physical Review C, 1998, 58, 3445-3450.	2.9	5
76	Transfer reactions as a doorway to fusion. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 1315-1321.	3.6	8
77	Can fusion, elastic and inelastic scattering of heavy ions be understood, without a simultaneous analysis of them?. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 1423-1429.	3.6	1
78	Elastic and inelastic scattering ofO16+64Zn at near-barrier energies. Physical Review C, 1996, 53, 2870-2878.	2.9	23
79	Competing reaction mechanisms for theO16,17,18+10,11B andF19+9Be systems. Physical Review C, 1994, 49, 2018-2035.	2.9	31
80	Fission decay of very light nuclear systems. Physical Review C, 1993, 48, R2154-R2157.	2.9	21
81	Effect of the entrance channel mass asymmetry on the limitation of light heavy-ion fusion cross sections. Physical Review C, 1990, 42, 354-362.	2.9	27
82	Dissipative processes in light-heavy-ion-induced reactions and their time scales. Physical Review C, 1990, 42, R815-R818.	2.9	7