

# Johnny F Dias

## List of Publications by Citations

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162  
papers

2,199  
citations

28  
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39  
g-index

167  
ext. papers

2,456  
ext. citations

3.2  
avg, IF

4.57  
L-index

#	Paper	IF	Citations
162	Genetic damage in soybean workers exposed to pesticides: evaluation with the comet and buccal micronucleus cytome assays. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2013</b> , 752, 28-33	3	95
161	Fish as bioindicators to assess the effects of pollution in two southern Brazilian rivers using the Comet assay and micronucleus test. <i>Environmental and Molecular Mutagenesis</i> , <b>2004</b> , 44, 459-68	3.2	74
160	Heavy metals and DNA damage in blood cells of insectivore bats in coal mining areas of Catarinense coal basin, Brazil. <i>Environmental Research</i> , <b>2010</b> , 110, 684-91	7.9	70
159	In vitro genotoxic effect of secondary minerals crystallized in rocks from coal mine drainage. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 346, 263-272	12.8	65
158	Genotoxicity and mutagenicity of iron and copper in mice. <i>BioMetals</i> , <b>2008</b> , 21, 289-97	3.4	62
157	Intratracheal instillation of coal and coal fly ash particles in mice induces DNA damage and translocation of metals to extrapulmonary tissues. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 589-599	10.2	61
156	Evaluation of genetic damage in open-cast coal mine workers using the buccal micronucleus cytome assay. <i>Environmental and Molecular Mutagenesis</i> , <b>2013</b> , 54, 65-71	3.2	55
155	DNA damage induced by coal dust, fly and bottom ash from coal combustion evaluated using the micronucleus test and comet assay in vitro. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 324, 781-788	12.8	53
154	Assessment of environmental stress by the micronucleus and comet assays on <i>Limnoperna fortunei</i> exposed to Guaíba hydrographic region samples (Brazil) under laboratory conditions. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2007</b> , 628, 76-86	3	52
153	Coulomb heating behavior of fast light diclusters thorough the Si < 110 > direction: influence of the mean charge state. <i>European Physical Journal D</i> , <b>2014</b> , 68, 1	1.3	51
152	Genetic damage in coal miners evaluated by buccal micronucleus cytome assay. <i>Ecotoxicology and Environmental Safety</i> , <b>2014</b> , 107, 133-9	7	44
151	Influence of iron on mineral status of two rice ( <i>Oryza sativa</i> L.) cultivars. <i>Brazilian Journal of Plant Physiology</i> , <b>2007</b> , 19, 127-139		43
150	Elemental composition of PM and PM in urban environment in South Brazil. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 1801-1815	5.3	43
149	Antioxidant supplementation attenuates oxidative stress in chronic hepatitis C patients. <i>Gastroenterología Y Hepatología</i> , <b>2012</b> , 35, 386-94	0.9	40
148	Elemental characterization of commercial mate tea leaves ( <i>Ilex paraguariensis</i> A. St.-Hil.) before and after hot water infusion using ion beam techniques. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 741-6	5.7	37
147	Influence of orange juice in the levels and in the genotoxicity of iron and copper. <i>Food and Chemical Toxicology</i> , <b>2006</b> , 44, 425-35	4.7	37
146	Genotoxic biomonitoring of tobacco farmers: Biomarkers of exposure, of early biological effects and of susceptibility. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 225-226, 81-90	12.8	36

145	Genotoxicity biomonitoring in regions exposed to vehicle emissions using the comet assay and the micronucleus test in native rodent <i>Ctenomys minutus</i> . <i>Environmental and Molecular Mutagenesis</i> , <b>2002</b> , 40, 227-35	3.2	35
144	Drop evaporation on superhydrophobic PTFE surfaces driven by contact line dynamics. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 440, 133-9	9.3	34
143	Telomere measurement in individuals occupationally exposed to pesticide mixtures in tobacco fields. <i>Environmental and Molecular Mutagenesis</i> , <b>2016</b> , 57, 74-84	3.2	33
142	Evaluation of the genotoxic potential of soil contaminated with mineral coal tailings on snail <i>Helix aspersa</i> . <i>Chemosphere</i> , <b>2015</b> , 139, 512-7	8.4	32
141	DNA damage and epigenetic alteration in soybean farmers exposed to complex mixture of pesticides. <i>Mutagenesis</i> , <b>2018</b> , 33, 87-95	2.8	31
140	Chronic occupational exposure endured by tobacco farmers from Brazil and association with DNA damage. <i>Mutagenesis</i> , <b>2018</b> , 33, 119-128	2.8	30
139	Elemental characterisation of Cabernet Sauvignon wines using Particle-Induced X-ray Emission (PIXE). <i>Food Chemistry</i> , <b>2010</b> , 121, 244-250	8.5	30
138	The Pmr1 protein, the major yeast Ca <sup>2+</sup> -ATPase in the Golgi, regulates intracellular levels of the cadmium ion. <i>FEMS Microbiology Letters</i> , <b>2008</b> , 285, 79-88	2.9	30
137	Giant Barkas effect observed for light ions channeling in Si. <i>Physical Review Letters</i> , <b>2001</b> , 86, 1482-5	7.4	29
136	Evaluation of the genotoxic potential of the mineral coal tailings through the <i>Helix aspersa</i> (Müller, 1774). <i>Archives of Environmental Contamination and Toxicology</i> , <b>2010</b> , 59, 614-21	3.2	28
135	Investigation of potential biomarkers for the early diagnosis of cellular stability after the exposure of agricultural workers to pesticides. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2016</b> , 88, 349-60	1.4	28
134	Assessment of heavy metal content and DNA damage in <i>Hypsiboas faber</i> (anuran amphibian) in coal open-casting mine. <i>Environmental Toxicology and Pharmacology</i> , <b>2013</b> , 36, 194-201	5.8	27
133	Genotoxic and mutagenic evaluation of water samples from a river under the influence of different anthropogenic activities. <i>Chemosphere</i> , <b>2016</b> , 164, 134-141	8.4	27
132	Heavy-metal content and oxidative damage in <i>Hypsiboas faber</i> : the impact of coal-mining pollutants on amphibians. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2014</b> , 66, 69-77	3.2	26
131	Antioxidant activity and phenolic and mineral content of rose grape juice. <i>Journal of Medicinal Food</i> , <b>2009</b> , 12, 188-92	2.8	26
130	Role of ferritin in the rice tolerance to iron overload. <i>Scientia Agricola</i> , <b>2009</b> , 66, 549-555	2.5	26
129	Charging effects in thick insulating samples. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2002</b> , 189, 72-76	1.2	26
128	Elemental characterization of Brazilian canned tuna fish using particle induced X-ray emission (PIXE). <i>Journal of Food Composition and Analysis</i> , <b>2013</b> , 30, 19-25	4.1	23

127	Cytogenetic instability in populations with residential proximity to open-pit coal mine in Northern Colombia in relation to PM and PM levels. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 148, 453-466	7	23
126	Role of PON1, SOD2, OGG1, XRCC1, and XRCC4 polymorphisms on modulation of DNA damage in workers occupationally exposed to pesticides. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 159, 164-171		22
125	Elemental analysis of Brazilian coffee with ion beam techniques: From ground coffee to the final beverage. <i>Food Research International</i> , <b>2019</b> , 119, 297-304	7	21
124	Chemical and toxicological effects of medicinal <i>Baccharis trimera</i> extract from coal burning area. <i>Chemosphere</i> , <b>2016</b> , 146, 396-404	8.4	19
123	Random and channeling stopping powers of He and Li ions in Si. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	19
122	Mineral content is related to antioxidant and antimutagenic properties of grape juice. <i>Genetics and Molecular Research</i> , <b>2012</b> , 11, 3154-63	1.2	19
121	Signature of plasmon excitations in the stopping ratio of fast hydrogen clusters. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	17
120	Study of the elemental composition of aerosols in the Candiota region of Brazil using the PIXE technique. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2004</b> , 225, 561-571	1.2	17
119	PIXE analysis of urease isoenzymes isolated from <i>Canavalia ensiformis</i> (jack bean) seeds. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2002</b> , 189, 482-486	1.2	15
118	Experimental energy straggling of protons in SiO <sub>2</sub> . <i>Physical Review A</i> , <b>2003</b> , 68,	2.6	15
117	<i>Baccharis trimera</i> (Less.) DC as genotoxicity indicator of exposure to coal and emissions from a thermal power plant. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2013</b> , 65, 434-41	3.2	14
116	Genotoxicity of <i>Nicotiana tabacum</i> leaves on <i>Helix aspersa</i> . <i>Genetics and Molecular Biology</i> , <b>2013</b> , 36, 269-75	2	14
115	Coulomb heating of channeled H <sub>2</sub> <sup>+</sup> and H <sub>3</sub> <sup>+</sup> molecules in Si. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	14
114	Ion beam analysis of ground coffee and roasted coffee beans. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 318, 202-206	1.2	13
113	Energy loss of swift H <sub>2</sub> <sup>+</sup> and H <sub>3</sub> <sup>+</sup> molecules in gold: Vicinage effects. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	13
112	Energy loss of helium ions in zinc. <i>Physical Review A</i> , <b>2004</b> , 69,	2.6	13
111	High-resolution <sup>40</sup> Ca( $\Delta p$ ) measurements and the photoproton reaction mechanism. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 296, 302-306	4.2	13
110	Genotoxicity induced by water and sediment samples from a river under the influence of brewery effluent. <i>Chemosphere</i> , <b>2017</b> , 169, 239-248	8.4	12

109	Electronic energy loss of H <sub>3</sub> <sup>+</sup> ion clusters in SiO <sub>2</sub> films. <i>Physical Review A</i> , <b>2001</b> , 64,	2.6	12
108	Vicinage effect in the energy loss of H <sub>2</sub> dimers: Experiment and calculations based on time-dependent density-functional theory. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	11
107	Occupational genotoxicity among copper smelters. <i>Toxicology and Industrial Health</i> , <b>2012</b> , 28, 789-95	1.8	11
106	Structural characterization of CdSe/ZnS quantum dots using medium energy ion scattering. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 023110	3.4	11
105	The study of the influence of industrial processing on the elemental composition of mate tealeaves ( <i>Ilex paraguariensis</i> ) using the PIXE technique. <i>LWT - Food Science and Technology</i> , <b>2009</b> , 42, 74-80	5.4	11
104	The function of Alr1p of <i>Saccharomyces cerevisiae</i> in cadmium detoxification: insights from phylogenetic studies and particle-induced X-ray emission. <i>BioMetals</i> , <b>2005</b> , 18, 31-41	3.4	11
103	Investigation of pesticide exposure by genotoxicological, biochemical, genetic polymorphic and in silico analysis. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 179, 135-142	7	10
102	Graded composition CdxZn1-xTe films grown by Isothermal Close Space Sublimation technique. <i>Solar Energy Materials and Solar Cells</i> , <b>2015</b> , 138, 17-21	6.4	10
101	Biomonitoring study of seasonal anthropogenic influence at the Itamambuca beach (SP, Brazil). <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2009</b> , 267, 1960-1964	1.2	10
100	Structural and electronic characterization of antimonide films made by magnetron sputtering. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 075106	3	9
99	Cuban zeolite for lead sorption: application for water decontamination and metal quantification in water using nondestructive techniques. <i>International Journal of Environmental Science and Technology</i> , <b>2016</b> , 13, 1245-1256	3.3	9
98	Treatment of oxidative stress in brain of ovariectomized rats with omega-3 and lipoic acid. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 2547-55	5.9	9
97	Determination of film thicknesses through the breakup of H <sub>2</sub> <sup>+</sup> ions. <i>Surface Science</i> , <b>2013</b> , 608, 292-296	1.8	9
96	Woods-Saxon potential parametrization at large deformations for plutonium odd isotopes. <i>European Physical Journal A</i> , <b>1999</b> , 6, 49-58	2.5	9
95	Direct measurement of the <sup>4</sup> He(γ,p <sub>0</sub> ) absolute cross section. <i>Physical Review C</i> , <b>1993</b> , 48, 2510-2513	1.3	9
94	Cytotoxic, genotoxic and mutagenic evaluation of surface waters from a coal exploration region. <i>Chemosphere</i> , <b>2017</b> , 172, 440-448	8.4	8
93	Bioaccumulation of trace elements in hepatic and renal tissues of the white mullet <i>Mugil curema</i> Valenciennes, 1836 (Actinopterygii, Mugilidae) in two coastal systems in southeastern Brazil. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 318, 94-98	1.2	8
92	Residual activity induced by ion bombardment on insulating samples. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2005</b> , 240, 297-302	1.2	8

91	Angular dependence for the energy loss of channeled He ions near the Si and directions. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2001</b> , 174, 407-413	1.2	8
90	Electronic stopping power of axial channeled Li ions in Si crystals. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1999</b> , 148, 164-167	1.2	8
89	Determination of the random particle energy spectrum in tagged photon experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1992</b> , 321, 230-237	1.2	8
88	Characterization of Brazilian ammunitions and their respective gunshot residues with ion beam techniques. <i>Forensic Chemistry</i> , <b>2018</b> , 7, 94-102	2.8	7
87	Evaluation of detector efficiency through GUPIXWIN H value. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2018</b> , 417, 56-59	1.2	7
86	Elemental composition of vegetables cultivated over coal-mining waste. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2017</b> , 89, 2383-2398	1.4	7
85	Electronic energy loss of channeled ions: The giant Barkas effect. <i>Physical Review A</i> , <b>2004</b> , 70,	2.6	7
84	Neutralization and wake effects on the Coulomb explosion of swift H <sub>2</sub> <sup>+</sup> ions traversing thin films. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	6
83	Genetic damage in environmentally exposed populations to open-pit coal mining residues: Analysis of buccal micronucleus cytome (BMN-cyt) assay and alkaline, Endo III and FPG high-throughput comet assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2018</b> , 836, 24-35	3	6
82	Role of electronic excitations in the energy loss of H <sub>2</sub> <sup>+</sup> projectiles in high- $\kappa$ materials. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	6
81	900keV gold ion sputter etching of silicon and metals. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2008</b> , 266, 3330-3331	1.2	6
80	<sup>16</sup> O( $\gamma$ ,p) <sup>0</sup> <sup>15</sup> N cross section from 33 to 69 MeV. <i>Physical Review C</i> , <b>1993</b> , 47, 652-659	2.7	6
79	Ion beam analysis (IBA) and instrumental neutron activation analysis (INAA) for forensic characterisation of authentic Viagra <sup>®</sup> and of sildenafil-based illegal products. <i>Talanta</i> , <b>2021</b> , 224, 121829	6.2	6
78	Base excision repair (OGG1 and XRCC1) and metabolism (PON1) gene polymorphisms act on modulation of DNA damage and immune parameters in tobacco farmers. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2018</b> , 836, 9-18	3	6
77	The influence of the winemaking process on the elemental composition of the Marselan red wine. <i>Journal of the Science of Food and Agriculture</i> , <b>2019</b> , 99, 4642-4650	4.3	5
76	Pulmonary oxidative stress in wild bats exposed to coal dust: A model to evaluate the impact of coal mining on health. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 191, 110211	7	5
75	Optical and structural properties of InAs nanoclusters in crystalline Si obtained through sequential ion implantation and RTA. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2015</b> , 212, 2686-2691	3.6	5
74	Macro and micro minerals: are Frozen fruits a good source?. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2010</b> , 82, 861-7	1.4	5

73	Detection and quantitative determination by PIXE of the mutagen Sn <sup>2+</sup> in yeast cells. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2006</b> , 249, 706-709	1.2	5
72	Random energy loss and straggling study of <sup>9</sup> Be ions in silicon. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2004</b> , 219-220, 246-250	1.2	5
71	The influence of the Coulomb explosion on the energy loss of . <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2005</b> , 230, 96-99	1.2	5
70	Silicon strip detectors for fission. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1996</b> , 376, 455-461	1.2	5
69	Photoexcitation mechanisms investigated through the fission channel. <i>Physical Review C</i> , <b>1996</b> , 54, 3294-3297	3.2	5
68	Absorption of intermediate-energy photons by multi-particle clusters in <sup>6</sup> Li. <i>Nuclear Physics A</i> , <b>1994</b> , 568, 52-72	1.3	5
67	Microstructure in the electron beam and the shape of tagging TDC spectra. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1993</b> , 326, 608-610	1.2	5
66	Effects of Supplemental Acerola Juice on the Mineral Concentrations in Liver and Kidney Tissue Samples of Mice Fed with Cafeteria Diet. <i>Biological Trace Element Research</i> , <b>2015</b> , 167, 70-6	4.5	4
65	Elemental quantification of large gunshot residues. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2015</b> , 348, 170-173	1.2	4
64	Elemental characterization of injuries in fish liver. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 318, 83-87	1.2	4
63	A metabolomics approach to evaluate the effects of shiitake mushroom ( <i>Lentinula edodes</i> ) treatment in undernourished young rats. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 318, 194-197	1.2	4
62	Electronic behavior of micro-structured polymer foils immersed in electrolyte. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 306, 222-226	1.2	4
61	Use of STIM for morphological studies of microstructured polymer foils. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 306, 99-103	1.2	4
60	Study of the elemental composition of wine stoppers using PIXE. <i>X-Ray Spectrometry</i> , <b>2013</b> , 42, 158-164	0.9	4
59	Interplay between the Coulomb explosion and vicinage effects studied using H <sub>2</sub> <sup>+</sup> molecules under channeling conditions. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	4
58	A PIXE study of elements transport in fluvial waters in the Candiota region, Rio Grande do Sul, Brazil. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2004</b> , 215, 203-213	1.2	4
57	The importance of yeast Alr proteins in cadmium detoxification as indicated by particle-induced x-ray emission and phenotypic analyses. <i>X-Ray Spectrometry</i> , <b>2005</b> , 34, 355-358	0.9	4
56	Random energy loss and straggling study of Li into Si. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2001</b> , 175-177, 98-101	1.2	4

55	The semi-inclusive $^{40}\text{Ca}(\alpha, p)$ reaction. <i>Nuclear Physics A</i> , <b>1995</b> , 586, 281-292	1.3	4
54	The $^6\text{Li}(\alpha, p)$ reaction at intermediate photon energies. <i>Nuclear Physics A</i> , <b>1995</b> , 587, 434-448	1.3	4
53	Proton emission cross sections of silicon isotopes. <i>Physical Review C</i> , <b>1990</b> , 42, 1559-1563	2.7	4
52	Systems chemo-biology analysis of DNA damage response and cell cycle effects induced by coal exposure. <i>Genetics and Molecular Biology</i> , <b>2020</b> , 43, e20190134	2	4
51	Cytokinesis-block micronucleus cytome (CBMN-CYT) assay biomarkers and telomere length analysis in relation to inorganic elements in individuals exposed to welding fumes. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 212, 111935	7	4
50	Evaluation of Toxicological Effects of an Aqueous Extract of Shells from the Pecan Nut <i>Carya illinoensis</i> (Wangenh.) K. Koch and the Possible Association with Its Inorganic Constituents and Major Phenolic Compounds. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2016</b> , 2016, 4647830	2.3	4
49	Considerations about projectile and target X-rays induced during heavy ion bombardment. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2018</b> , 417, 19-25	1.2	3
48	Metal concentration in muscle of two species of flatfish from Santos Bay, Southeastern Brazilian coast. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 318, 88-93	1.2	3
47	Analysis of memory consolidation and evocation in rats by proton induced X-ray emission. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 332, 224-228	1.2	3
46	Enhanced ZnTe infiltration in porous silicon by Isothermal Close Space Sublimation. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 188, 93-98	5.3	3
45	Determination of Pb, Zr, Ti, Sr, Cr, Nb and La in lead zirconate titanate ceramics by particle-induced X-ray emission. <i>X-Ray Spectrometry</i> , <b>2012</b> , 41, 156-163	0.9	3
44	Enhanced resistance of yeast mutants deficient in low-affinity iron and zinc transporters to stannous-induced toxicity. <i>Chemosphere</i> , <b>2012</b> , 86, 477-84	8.4	3
43	Magnetic quadrupole doublet focusing system for high energy ions. <i>Review of Scientific Instruments</i> , <b>2008</b> , 79, 036102	1.7	3
42	Coulomb heating of channeled $\text{C}^+$ and $\text{C}^{2+}$ molecules in Si. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	3
41	Channeling energy loss of O ions in Si: The Barkas effect. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2002</b> , 193, 172-177	1.2	3
40	Range parameters of implanted into Si and $\text{SiO}_2$ . <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2001</b> , 175-177, 46-50	1.2	3
39	Proximate Composition, Nutrient Mineral and Fatty Acid of the <i>Bunchosia glandulifera</i> Fruit. <i>Journal of Food and Nutrition Research (Newark, Del)</i> , <b>2017</b> , 5, 575-578	1.9	3
38	Environmental exposure to mineral coal and by-products: Influence on human health and genomic instability. <i>Environmental Pollution</i> , <b>2021</b> , 287, 117346	9.3	3

37	Evaluation of the cytotoxic and genotoxic effects of Cav extract using human neuroblastoma cell line SH-SY5Y. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2021</b> , 84, 345-355	3.2	3
36	Modeling and growth of graded composition interdiffused multilayers in the CdTe-ZnTe system. <i>Materials Science in Semiconductor Processing</i> , <b>2019</b> , 97, 17-20	4.3	2
35	Coulomb heating behavior of fast light diclusters. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	2
34	Electrofission of $^{239}\text{Pu}$ in the energy range $7\text{--}12$ MeV. <i>Physical Review C</i> , <b>1997</b> , 55, 2471-2481	2.7	2
33	( $\text{d}$ ) and ( $\text{t}$ ) reactions on $^6\text{Li}$ at intermediate photon energies. <i>Physical Review C</i> , <b>1997</b> , 55, 942-945	2.7	2
32	Triton angular distributions from the $^7\text{Li}(\text{t})\text{p}$ reaction near threshold. <i>Physical Review C</i> , <b>1999</b> , 59, 525-527	2.7	2
31	Geochemical markers of <i>Ilex paraguariensis</i> determined by PIXE. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2020</b> , 477, 163-168	1.2	2
30	Elemental extraction factor from ground to drinking coffee as a function of the water temperature. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2020</b> , 477, 154-158	1.2	2
29	Evaluation of soils under the influence of coal mining and a thermoelectric plant in the city of Candiota and vicinity, Brazil. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2021</b> , 866, 503350	3	2
28	Fabrication and analysis of polymer microstructures through ion microprobe techniques. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	2
27	Rubidium in the elemental composition of Brazilian coffee. <i>International Journal of PIXE</i> , <b>2018</b> , 28, 35-42	0.1	2
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25	The role of micro-NRA and micro-PIXE in carbon mapping of organic tissues. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2015</b> , 348, 160-164	1.2	1
24	GUMAP: A GUPIXWIN-compatible code for extracting regional spectra from nuclear microbeam list mode files. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2018</b> , 417, 46-50	1.2	1
23	Elemental concentrations in kidney and liver of mice fed with cafeteria or standard diet determined by particle induced X-ray emission. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 318, 198-201	1.3	1
22	Depth profiling techniques: how PIXE compares to NRP and MEIS?. <i>X-Ray Spectrometry</i> , <b>2011</b> , 40, 157-160	0.9	1
21	Direct etching of $\text{SiO}_2$ and $\text{Al}_2\text{O}_3$ by 900-keV. <i>Journal of Micro/Nanolithography, MEMS, and MOEMS</i> , <b>2009</b> , 8, 013013	0.7	1
20	Investigation of the $^{40}\text{Ca}(\text{n})$ reaction at 60 MeV. <i>Zeitschrift für Physik A</i> , <b>1995</b> , 352, 133-136		1

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15	Elemental concentration of tomato paste and respective packages through particle-induced X-ray emission. <i>Journal of Food Composition and Analysis</i> , <b>2021</b> , 97, 103770	4.1	1
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12	Changes in the element concentration of the dorsal hippocampus CA1 region during memory consolidation and reconsolidation. <i>Journal of Chemical Neuroanatomy</i> , <b>2018</b> , 90, 49-56	3.2	0
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9	Infiltration of ZnO in Mesoporous Silicon by Isothermal Zn Annealing and Oxidation. <i>ECS Journal of Solid State Science and Technology</i> , <b>2016</b> , 5, P6-P11	2	
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