

Johnny F Dias

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

162
papers

2,199
citations

28
h-index

39
g-index

167
ext. papers

2,456
ext. citations

3.2
avg, IF

4.57
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 162 | In vitro genotoxic and mutagenic effects of water samples from Sapucaia and Esteio streams (Brazil) under the influence of different anthropogenic activities. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022 , 878, 503484 | 3 | 1 |
| 161 | In1-xGaxSb nanofoams made by ion irradiation of sputtered films: Atomic composition and structure. <i>Thin Solid Films</i> , 2022 , 753, 139263 | 2.2 | |
| 160 | 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> , 2021 , 212, 111935 | 7 | 4 |
| 159 | Genotoxic effect induced by dried leaves from tobacco barns (kiln-houses) in chinese hamster lung fibroblast cells (V79). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2021 , 84, 689-701 | 3.2 | 1 |
| 158 | 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> , 2021 , 866, 503350 | 3 | 2 |
| 157 | Variance of elemental concentrations of organic products: the case of Brazilian coffee. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2021 , 486, 18-21 | 1.2 | 1 |
| 156 | Ion beam analysis (IBA) and instrumental neutron activation analysis (INAA) for forensic characterisation of authentic Viagra [®] and of sildenafil-based illegal products. <i>Talanta</i> , 2021 , 224, 121829 | 6.2 | 6 |
| 155 | Elemental concentration of tomato paste and respective packages through particle-induced X-ray emission. <i>Journal of Food Composition and Analysis</i> , 2021 , 97, 103770 | 4.1 | 1 |
| 154 | Elemental characterization of sparkling wine and cork stoppers. <i>Current Research in Food Science</i> , 2021 , 4, 670-678 | 5.6 | 0 |
| 153 | Environmental exposure to mineral coal and by-products: Influence on human health and genomic instability. <i>Environmental Pollution</i> , 2021 , 287, 117346 | 9.3 | 3 |
| 152 | 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> , 2021 , 84, 345-355 | 3.2 | 3 |
| 151 | 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> , 2020 , 191, 110211 | 7 | 5 |
| 150 | Systems chemo-biology analysis of DNA damage response and cell cycle effects induced by coal exposure. <i>Genetics and Molecular Biology</i> , 2020 , 43, e20190134 | 2 | 4 |
| 149 | Geochemical markers of Ilex paraguariensis determined by PIXE. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020 , 477, 163-168 | 1.2 | 2 |
| 148 | Elemental extraction factor from ground to drinking coffee as a function of the water temperature. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020 , 477, 154-158 | 1.2 | 2 |
| 147 | Nutritional composition of and its association with the observed antimutagenic effects.. <i>RSC Advances</i> , 2019 , 9, 3764-3776 | 3.7 | 1 |
| 146 | Elemental analysis of Brazilian coffee with ion beam techniques: From ground coffee to the final beverage. <i>Food Research International</i> , 2019 , 119, 297-304 | 7 | 21 |

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| 145 | Investigation of pesticide exposure by genotoxicological, biochemical, genetic polymorphic and in silico analysis. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 179, 135-142 | 7 | 10 |
| 144 | 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> , 2019 , 99, 4642-4650 | 4.3 | 5 |
| 143 | Modeling and growth of graded composition interdiffused multilayers in the CdTe-ZnTe system. <i>Materials Science in Semiconductor Processing</i> , 2019 , 97, 17-20 | 4.3 | 2 |
| 142 | Chronic occupational exposure endured by tobacco farmers from Brazil and association with DNA damage. <i>Mutagenesis</i> , 2018 , 33, 119-128 | 2.8 | 30 |
| 141 | In vitro genotoxic effect of secondary minerals crystallized in rocks from coal mine drainage. <i>Journal of Hazardous Materials</i> , 2018 , 346, 263-272 | 12.8 | 65 |
| 140 | Changes in the element concentration of the dorsal hippocampus CA1 region during memory consolidation and reconsolidation. <i>Journal of Chemical Neuroanatomy</i> , 2018 , 90, 49-56 | 3.2 | 0 |
| 139 | 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> , 2018 , 625, 589-599 | 10.2 | 61 |
| 138 | DNA damage and epigenetic alteration in soybean farmers exposed to complex mixture of pesticides. <i>Mutagenesis</i> , 2018 , 33, 87-95 | 2.8 | 31 |
| 137 | Characterization of Brazilian ammunitions and their respective gunshot residues with ion beam techniques. <i>Forensic Chemistry</i> , 2018 , 7, 94-102 | 2.8 | 7 |
| 136 | GUMAP: A GUPIXWIN-compatible code for extracting regional spectra from nuclear microbeam list mode files. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018 , 417, 46-50 | 1.2 | 1 |
| 135 | Evaluation of detector efficiency through GUPIXWIN H value. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018 , 417, 56-59 | 1.2 | 7 |
| 134 | Considerations about projectile and target X-rays induced during heavy ion bombardment. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018 , 417, 19-25 | 1.2 | 3 |
| 133 | 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> , 2018 , 159, 164-171 | 7 | 22 |
| 132 | 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> , 2018 , 836, 24-35 | 3 | 6 |
| 131 | Elemental characterization of gold-plated costume jewelry using particle-induced X-ray emission. <i>International Journal of PIXE</i> , 2018 , 28, 43-49 | 0.1 | |
| 130 | Elemental characterization of food and beverages carried out at Ion Implantation Laboratory: a review. <i>International Journal of PIXE</i> , 2018 , 28, 13-19 | 0.1 | |
| 129 | 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> , 2018 , 148, 453-466 | 7 | 23 |
| 128 | The use of particle-induced X-ray emission (PIXE) technique in the biomonitoring of catarinense coal basin ecosystems: a review. <i>International Journal of PIXE</i> , 2018 , 28, 51-59 | 0.1 | 1 |

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| 127 | Rubidium in the elemental composition of Brazilian coffee. <i>International Journal of PIXE</i> , 2018 , 28, 35-42. | 0.1 | 2 |
| 126 | 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> , 2018 , 836, 9-18 | 3 | 6 |
| 125 | Cytotoxic, genotoxic and mutagenic evaluation of surface waters from a coal exploration region. <i>Chemosphere</i> , 2017 , 172, 440-448 | 8.4 | 8 |
| 124 | Structural and electronic characterization of antimonide films made by magnetron sputtering. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 075106 | 3 | 9 |
| 123 | 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> , 2017 , 324, 781-788 | 12.8 | 53 |
| 122 | Genotoxicity induced by water and sediment samples from a river under the influence of brewery effluent. <i>Chemosphere</i> , 2017 , 169, 239-248 | 8.4 | 12 |
| 121 | Vicinage effect in the energy loss of H2 dimers: Experiment and calculations based on time-dependent density-functional theory. <i>Physical Review A</i> , 2017 , 95, | 2.6 | 11 |
| 120 | Infiltration of CdTe nano crystals into a ZnO wire vertical matrix by using the isothermal closed space technique. <i>Journal of Crystal Growth</i> , 2017 , 475, 274-280 | 1.6 | 0 |
| 119 | Elemental composition of vegetables cultivated over coal-mining waste. <i>Anais Da Academia Brasileira De Ciencias</i> , 2017 , 89, 2383-2398 | 1.4 | 7 |
| 118 | Proximate Composition, Nutrient Mineral and Fatty Acid of the Bunchosia glandulifera Fruit. <i>Journal of Food and Nutrition Research (Newark, Del)</i> , 2017 , 5, 575-578 | 1.9 | 3 |
| 117 | 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> , 2016 , 13, 1245-1256 | 3.3 | 9 |
| 116 | Infiltration of ZnO in Mesoporous Silicon by Isothermal Zn Annealing and Oxidation. <i>ECS Journal of Solid State Science and Technology</i> , 2016 , 5, P6-P11 | 2 | |
| 115 | Telomere measurement in individuals occupationally exposed to pesticide mixtures in tobacco fields. <i>Environmental and Molecular Mutagenesis</i> , 2016 , 57, 74-84 | 3.2 | 33 |
| 114 | Chemical and toxicological effects of medicinal Baccharis trimera extract from coal burning area. <i>Chemosphere</i> , 2016 , 146, 396-404 | 8.4 | 19 |
| 113 | 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> , 2016 , 88, 349-60 | 1.4 | 28 |
| 112 | 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> , 2016 , 2016, 4647830 | 2.3 | 4 |
| 111 | Surface Water Impacted by Rural Activities Induces Genetic Toxicity Related to Recombinagenic Events in Vivo. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13, | 4.6 | 1 |
| 110 | Fabrication and analysis of polymer microstructures through ion microprobe techniques. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a | 2.9 | 2 |

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| 109 | The effect of local fluence on the micropatterning of poly(ethylene terephthalate) foils through proton beam writing. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1 | 2.6 | 1 |
| 108 | Magnetic and structural properties of Fe-implanted cubic GaN. <i>Journal of Applied Physics</i> , 2016 , 120, 103901 | 2.5 | |
| 107 | Genotoxic and mutagenic evaluation of water samples from a river under the influence of different anthropogenic activities. <i>Chemosphere</i> , 2016 , 164, 134-141 | 8.4 | 27 |
| 106 | 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> , 2015 , 167, 70-6 | 4.5 | 4 |
| 105 | Neutralization and wake effects on the Coulomb explosion of swift H ²⁺ ions traversing thin films. <i>Physical Review A</i> , 2015 , 91, | 2.6 | 6 |
| 104 | Elemental quantification of large gunshot residues. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 348, 170-173 | 1.2 | 4 |
| 103 | Graded composition CdxZn1-xTe films grown by Isothermal Close Space Sublimation technique. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 138, 17-21 | 6.4 | 10 |
| 102 | The role of micro-NRA and micro-PIXE in carbon mapping of organic tissues. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 348, 160-164 | 1.2 | 1 |
| 101 | Evaluation of the genotoxic potential of soil contaminated with mineral coal tailings on snail <i>Helix aspersa</i> . <i>Chemosphere</i> , 2015 , 139, 512-7 | 8.4 | 32 |
| 100 | Drop evaporation on superhydrophobic PTFE surfaces driven by contact line dynamics. <i>Journal of Colloid and Interface Science</i> , 2015 , 440, 133-9 | 9.3 | 34 |
| 99 | Treatment of oxidative stress in brain of ovariectomized rats with omega-3 and lipoic acid. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 2547-55 | 5.9 | 9 |
| 98 | 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> , 2015 , 212, 2686-2691 | 1.6 | 5 |
| 97 | Coulomb heating behavior of fast light diclusters thorough the Si < 110 > direction: influence of the mean charge state. <i>European Physical Journal D</i> , 2014 , 68, 1 | 1.3 | 51 |
| 96 | Elemental characterization of injuries in fish liver. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 318, 83-87 | 1.2 | 4 |
| 95 | Ion beam analysis of ground coffee and roasted coffee beans. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 318, 202-206 | 1.2 | 13 |
| 94 | Metal concentration in muscle of two species of flatfish from Santos Bay, Southeastern Brazilian coast. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 318, 88-93 | 1.2 | 3 |
| 93 | Analysis of memory consolidation and evocation in rats by proton induced X-ray emission. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 332, 224-228 | 1.2 | 3 |
| 92 | A metabolomics approach to evaluate the effects of shiitake mushroom (<i>Lentinula edodes</i>) treatment in undernourished young rats. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 318, 194-197 | 1.2 | 4 |

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| 91 | Enhanced ZnTe infiltration in porous silicon by Isothermal Close Space Sublimation. <i>Microporous and Mesoporous Materials</i> , 2014 , 188, 93-98 | 5.3 | 3 |
| 90 | Genetic damage in coal miners evaluated by buccal micronucleus cytome assay. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 107, 133-9 | 7 | 44 |
| 89 | Bioaccumulation of trace elements in hepatic and renal tissues of the white mullet <i>Mugil curema Valenciennes</i> , 1836 (Actinopterygii, Mugilidae) in two coastal systems in southeastern Brazil. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 318, 94-98 | 1.2 | 8 |
| 88 | Elemental concentrations in kidney and liver of mice fed with cafeteria or standard diet determined by particle induced X-ray emission. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 318, 198-201 | 1.2 | 1 |
| 87 | 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> , 2014 , 66, 69-77 | 3.2 | 26 |
| 86 | <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> , 2013 , 65, 434-41 | 3.2 | 14 |
| 85 | Electronic behavior of micro-structured polymer foils immersed in electrolyte. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013 , 306, 222-226 | 1.2 | 4 |
| 84 | Elemental characterization of Brazilian canned tuna fish using particle induced X-ray emission (PIXE). <i>Journal of Food Composition and Analysis</i> , 2013 , 30, 19-25 | 4.1 | 23 |
| 83 | Evaluation of genetic damage in open-cast coal mine workers using the buccal micronucleus cytome assay. <i>Environmental and Molecular Mutagenesis</i> , 2013 , 54, 65-71 | 3.2 | 55 |
| 82 | Use of STIM for morphological studies of microstructured polymer foils. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013 , 306, 99-103 | 1.2 | 4 |
| 81 | Study of the elemental composition of wine stoppers using PIXE. <i>X-Ray Spectrometry</i> , 2013 , 42, 158-164 | 0.9 | 4 |
| 80 | 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> , 2013 , 36, 194-201 | 5.8 | 27 |
| 79 | 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> , 2013 , 752, 28-33 | 3 | 95 |
| 78 | Determination of film thicknesses through the breakup of H ²⁺ ions. <i>Surface Science</i> , 2013 , 608, 292-296 | 1.8 | 9 |
| 77 | Genotoxicity of <i>Nicotiana tabacum</i> leaves on <i>Helix aspersa</i> . <i>Genetics and Molecular Biology</i> , 2013 , 36, 269-75 | 2 | 14 |
| 76 | Genotoxic biomonitoring of tobacco farmers: Biomarkers of exposure, of early biological effects and of susceptibility. <i>Journal of Hazardous Materials</i> , 2012 , 225-226, 81-90 | 12.8 | 36 |
| 75 | Antioxidant supplementation attenuates oxidative stress in chronic hepatitis C patients. <i>Gastroenterologia Y Hepatologia</i> , 2012 , 35, 386-94 | 0.9 | 40 |
| 74 | 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> , 2012 , 41, 156-163 | 0.9 | 3 |

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| 73 | Enhanced resistance of yeast mutants deficient in low-affinity iron and zinc transporters to stannous-induced toxicity. <i>Chemosphere</i> , 2012 , 86, 477-84 | 8.4 | 3 |
| 72 | Occupational genotoxicity among copper smelters. <i>Toxicology and Industrial Health</i> , 2012 , 28, 789-95 | 1.8 | 11 |
| 71 | Structural characterization of CdSe/ZnS quantum dots using medium energy ion scattering. <i>Applied Physics Letters</i> , 2012 , 101, 023110 | 3.4 | 11 |
| 70 | Mineral content is related to antioxidant and antimutagenic properties of grape juice. <i>Genetics and Molecular Research</i> , 2012 , 11, 3154-63 | 1.2 | 19 |
| 69 | Energy loss of swift H ₂ ⁺ and H ₃ ⁺ molecules in gold: Vicinage effects. <i>Physical Review B</i> , 2011 , 83, | 3.3 | 13 |
| 68 | Depth profiling techniques: how PIXE compares to NRP and MEIS?. <i>X-Ray Spectrometry</i> , 2011 , 40, 157-160 | 0.9 | 1 |
| 67 | Macro and micro minerals: are frozen fruits a good source?. <i>Anais Da Academia Brasileira De Ciencias</i> , 2010 , 82, 861-7 | 1.4 | 5 |
| 66 | Coulomb heating behavior of fast light diclusters. <i>Physical Review B</i> , 2010 , 81, | 3.3 | 2 |
| 65 | Heavy metals and DNA damage in blood cells of insectivore bats in coal mining areas of Catarinense coal basin, Brazil. <i>Environmental Research</i> , 2010 , 110, 684-91 | 7.9 | 70 |
| 64 | 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> , 2010 , 59, 614-21 | 3.2 | 28 |
| 63 | Elemental characterisation of Cabernet Sauvignon wines using Particle-Induced X-ray Emission (PIXE). <i>Food Chemistry</i> , 2010 , 121, 244-250 | 8.5 | 30 |
| 62 | Role of electronic excitations in the energy loss of H ₂ ⁺ projectiles in high- γ materials. <i>Physical Review B</i> , 2009 , 80, | 3.3 | 6 |
| 61 | Direct etching of SiO ₂ and Al ₂ O ₃ by 900-keV. <i>Journal of Micro/Nanolithography, MEMS, and MOEMS</i> , 2009 , 8, 013013 | 0.7 | 1 |
| 60 | Biomonitoring study of seasonal anthropogenic influence at the Itamambuca beach (SP, Brazil). <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009 , 267, 1960-1964 | 1.2 | 10 |
| 59 | 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> , 2009 , 42, 74-80 | 5.4 | 11 |
| 58 | Antioxidant activity and phenolic and mineral content of rose grape juice. <i>Journal of Medicinal Food</i> , 2009 , 12, 188-92 | 2.8 | 26 |
| 57 | Role of ferritin in the rice tolerance to iron overload. <i>Scientia Agricola</i> , 2009 , 66, 549-555 | 2.5 | 26 |
| 56 | Magnetic quadrupole doublet focusing system for high energy ions. <i>Review of Scientific Instruments</i> , 2008 , 79, 036102 | 1.7 | 3 |

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| 55 | Coulomb heating of channeled C ⁺ and C ²⁺ molecules in Si. <i>Physical Review A</i> , 2008 , 77, | 2.6 | 3 |
| 54 | Signature of plasmon excitations in the stopping ratio of fast hydrogen clusters. <i>Physical Review B</i> , 2008 , 77, | 3.3 | 17 |
| 53 | Genotoxicity and mutagenicity of iron and copper in mice. <i>BioMetals</i> , 2008 , 21, 289-97 | 3.4 | 62 |
| 52 | 900keV gold ion sputter etching of silicon and metals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008 , 266, 3330-3331 | 1.2 | 6 |
| 51 | The Pmr1 protein, the major yeast Ca ²⁺ -ATPase in the Golgi, regulates intracellular levels of the cadmium ion. <i>FEMS Microbiology Letters</i> , 2008 , 285, 79-88 | 2.9 | 30 |
| 50 | Influence of iron on mineral status of two rice (<i>Oryza sativa</i> L.) cultivars. <i>Brazilian Journal of Plant Physiology</i> , 2007 , 19, 127-139 | | 43 |
| 49 | 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> , 2007 , 628, 76-86 | 3 | 52 |
| 48 | 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> , 2007 , 55, 741-6 | 5.7 | 37 |
| 47 | Interplay between the Coulomb explosion and vicinage effects studied using H ₂ ⁺ molecules under channeling conditions. <i>Physical Review B</i> , 2006 , 73, | 3.3 | 4 |
| 46 | Influence of orange juice in the levels and in the genotoxicity of iron and copper. <i>Food and Chemical Toxicology</i> , 2006 , 44, 425-35 | 4.7 | 37 |
| 45 | Energy-dependent He flux redistribution through the Si<1 0 0> channel. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006 , 249, 69-72 | 1.2 | |
| 44 | Detection and quantitative determination by PIXE of the mutagen Sn ²⁺ in yeast cells. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006 , 249, 706-709 | 1.2 | 5 |
| 43 | The influence of the Coulomb explosion on the energy loss of . <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 230, 96-99 | 1.2 | 5 |
| 42 | Residual activity induced by ion bombardment on insulating samples. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 240, 297-302 | 1.2 | 8 |
| 41 | Considerations about PIXE analysis under channeling conditions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 240, 321-326 | 1.2 | |
| 40 | Elemental composition of PM and PM in urban environment in South Brazil. <i>Atmospheric Environment</i> , 2005 , 39, 1801-1815 | 5.3 | 43 |
| 39 | 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> , 2005 , 18, 31-41 | 3.4 | 11 |
| 38 | 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> , 2005 , 34, 355-358 | 0.9 | 4 |

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|----|---|-----|----|
| 37 | Electronic energy loss of channeled ions: The giant Barkas effect. <i>Physical Review A</i> , 2004 , 70, | 2.6 | 7 |
| 36 | Coulomb heating of channeled H ₂ ⁺ and H ₃ ⁺ molecules in Si. <i>Physical Review B</i> , 2004 , 69, | 3.3 | 14 |
| 35 | Random energy loss and straggling study of ⁹ Be ions in silicon. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 219-220, 246-250 | 1.2 | 5 |
| 34 | A PIXE study of elements transport in fluvial waters in the Candiota region, Rio Grande do Sul, Brazil. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 215, 203-213 | 1.2 | 4 |
| 33 | 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> , 2004 , 44, 459-68 | 3.2 | 74 |
| 32 | Study of the elemental composition of aerosols in the Candiota region of Brazil using the PIXE technique. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 225, 561-571 | 1.2 | 17 |
| 31 | Energy loss of helium ions in zinc. <i>Physical Review A</i> , 2004 , 69, | 2.6 | 13 |
| 30 | Experimental energy straggling of protons in SiO ₂ . <i>Physical Review A</i> , 2003 , 68, | 2.6 | 15 |
| 29 | Charging effects in thick insulating samples. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 189, 72-76 | 1.2 | 26 |
| 28 | PIXE analysis of urease isoenzymes isolated from <i>Canavalia ensiformis</i> (jack bean) seeds. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 189, 482-486 | 1.2 | 15 |
| 27 | Channeling energy loss of O ions in Si: The Barkas effect. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 193, 172-177 | 1.2 | 3 |
| 26 | 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> , 2002 , 40, 227-35 | 3.2 | 35 |
| 25 | Random and channeling stopping powers of He and Li ions in Si. <i>Physical Review B</i> , 2002 , 65, | 3.3 | 19 |
| 24 | Range parameters of implanted into Si and SiO ₂ . <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001 , 175-177, 46-50 | 1.2 | 3 |
| 23 | Random energy loss and straggling study of Li into Si. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001 , 175-177, 98-101 | 1.2 | 4 |
| 22 | Angular dependence for the energy loss of channeled He ions near the Si and directions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001 , 174, 407-413 | 1.2 | 8 |
| 21 | Electronic energy loss of H ₃ ⁺ ion clusters in SiO ₂ films. <i>Physical Review A</i> , 2001 , 64, | 2.6 | 12 |
| 20 | Giant Barkas effect observed for light ions channeling in Si. <i>Physical Review Letters</i> , 2001 , 86, 1482-5 | 7.4 | 29 |

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|----|--|-----|----|
| 19 | Triton angular distributions from the ${}^7\text{Li}(\text{t})\text{H}$ reaction near threshold. <i>Physical Review C</i> , 1999 , 59, 525-527. | 2.7 | 2 |
| 18 | Woods-Saxon potential parametrization at large deformations for plutonium odd isotopes. <i>European Physical Journal A</i> , 1999 , 6, 49-58 | 2.5 | 9 |
| 17 | Electronic stopping power of axial channelled Li ions in Si crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999 , 148, 164-167 | 1.2 | 8 |
| 16 | Gambling as a teaching aid in the introductory physics laboratory. <i>European Journal of Physics</i> , 1998 , 19, 337-346 | 0.8 | |
| 15 | Electrofission of ${}^{239}\text{Pu}$ in the energy range 7-12 MeV. <i>Physical Review C</i> , 1997 , 55, 2471-2481 | 2.7 | 2 |
| 14 | (d) and (t) reactions on ${}^6\text{Li}$ at intermediate photon energies. <i>Physical Review C</i> , 1997 , 55, 942-945 | 2.7 | 2 |
| 13 | Silicon strip detectors for fission. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996 , 376, 455-461 | 1.2 | 5 |
| 12 | Photoexcitation mechanisms investigated through the fission channel. <i>Physical Review C</i> , 1996 , 54, 3294-3297 | 2.7 | 5 |
| 11 | Investigation of the ${}^{40}\text{Ca}(\text{n})$ reaction at 60 MeV. <i>Zeitschrift für Physik A</i> , 1995 , 352, 133-136 | | 1 |
| 10 | The semi-inclusive ${}^{40}\text{Ca}(\text{p})$ reaction. <i>Nuclear Physics A</i> , 1995 , 586, 281-292 | 1.3 | 4 |
| 9 | The ${}^6\text{Li}(\text{p})$ reaction at intermediate photon energies. <i>Nuclear Physics A</i> , 1995 , 587, 434-448 | 1.3 | 4 |
| 8 | Absorption of intermediate-energy photons by multi-particle clusters in ${}^6\text{Li}$. <i>Nuclear Physics A</i> , 1994 , 568, 52-72 | 1.3 | 5 |
| 7 | Direct measurement of the ${}^4\text{He}(\text{gamma},\text{p}0)$ absolute cross section. <i>Physical Review C</i> , 1993 , 48, 2510-2513 | 2.7 | 9 |
| 6 | ${}^{16}\text{O}(\text{gamma},\text{p}0){}^{15}\text{N}$ cross section from 33 to 69 MeV. <i>Physical Review C</i> , 1993 , 47, 652-659 | 2.7 | 6 |
| 5 | 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> , 1993 , 326, 608-610 | 1.2 | 5 |
| 4 | 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> , 1992 , 321, 230-237 | 1.2 | 8 |
| 3 | High-resolution ${}^{40}\text{Ca}(\text{p})$ measurements and the photoproton reaction mechanism. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 296, 302-306 | 4.2 | 13 |
| 2 | Proton emission cross sections of silicon isotopes. <i>Physical Review C</i> , 1990 , 42, 1559-1563 | 2.7 | 4 |

- 1 The potentialities of ultrasound as an alternative to chemical etching for proton beam writing micropatterning. *Journal of Applied Polymer Science*,52407 2.9