Livio Amaral

List of Publications by Year
in descending order

145 papers	1,387 citations	393982 19 h-index	500791 28 g-index
146 all docs	146 docs citations	146 times ranked	1391 citing authors

#	Article	IF	Citations
1	Adjustable Hydrophobicity of Al Substrates by Chemical Surface Functionalization of Nano/Microstructures. Journal of Physical Chemistry C, 2010, 114, 13219-13225.	1.5	61
2	Ferromagnetism induced by oxygen and cerium vacancies above the percolation limit in CeO₂. Journal of Physics Condensed Matter, 2010, 22, 216004.	0.7	59
3	Influence of iron on mineral status of two rice (Oryza sativa L.) cultivars. Brazilian Journal of Plant Physiology, 2007, 19, 127-139.	0.5	54
4	Dose and energy dependence of implanted ion profiles (9:â‰¦ 1 â‰¦ 83) in the AZ111 photoresist. Nuclear Instruments & Methods in Physics Research B, 1987, 19-20, 882-886.	0.6	33
5	Range and thermal-behavior studies of Au and Bi implanted into photoresist films. Physical Review B, 1990, 41, 6145-6153.	1.1	33
6	Elemental characterisation of Cabernet Sauvignon wines using Particle-Induced X-ray Emission (PIXE). Food Chemistry, 2010, 121, 244-250.	4.2	33
7	Nucleation and growth of platelet bubble structures in He implanted silicon. Nuclear Instruments & Methods in Physics Research B, 1998, 136-138, 460-464.	0.6	32
8	Valence Evaluation of Cerium in Nanocrystalline CeO₂Films Electrodeposited on Si Substrates. Journal of the Electrochemical Society, 2011, 159, K27-K33.	1.3	31
9	Elemental analysis of Brazilian coffee with ion beam techniques: From ground coffee to the final beverage. Food Research International, 2019, 119, 297-304.	2.9	30
10	Channeling on Carbon Nanotubes:Â A Molecular Dynamics Approach. Journal of Physical Chemistry B, 2005, 109, 13515-13518.	1.2	29
11	Blood Trace Element Concentrations in Polycystic Ovary Syndrome: Systematic Review and Meta-analysis. Biological Trace Element Research, 2017, 175, 254-262.	1.9	29
12	Ion beam mixing of Fe thin film and Si substrate. Nuclear Instruments & Methods in Physics Research B, 1995, 103, 56-59.	0.6	27
13	Damage accumulation in neon implanted silicon. Journal of Applied Physics, 2006, 100, 043505.	1.1	27
14	Implanted boron depth profiles in the AZ111 photoresist. Journal of Applied Physics, 1988, 63, 2083-2085.	1.1	26
15	Elemental characterization of Brazilian canned tuna fish using particle induced X-ray emission (PIXE). Journal of Food Composition and Analysis, 2013, 30, 19-25.	1.9	26
16	Molecular dynamics simulation of silicon nanostructures. Nuclear Instruments & Methods in Physics Research B, 2005, 228, 37-40.	0.6	25
17	The influence of aluminum grain size on alumina nanoporous structure. Journal of Applied Physics, 2010, 107, 026103.	1.1	22
18	Preparation, characterization and electrochemical studies of 1,1â€²-bis(diphenylphosphino) ferrocene (dppf) derivatives. Crystal structure of [dppfCo(NO)2][SbF6]. Inorganica Chimica Acta, 1997, 266, 19-27.	1.2	21

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19	Micro and Nano-Texturization of Intermetallic Oxide Alloys by a Single Anodization Step: Preparation of Artificial Self-Cleaning Surfaces. ACS Applied Materials & Interfaces, 2011, 3, 3981-3987.	4.0	20
20	Investigation of pesticide exposure by genotoxicological, biochemical, genetic polymorphic and in silico analysis. Ecotoxicology and Environmental Safety, 2019, 179, 135-142.	2.9	20
21	Defect evolution and characterization in He-implanted LiNbO3. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 394-397.	0.6	19
22	Depth profiles of Li ions implanted in the photoresist AZ111. Journal of Materials Research, 1988, 3, 1422-1426.	1.2	18
23	Nanoporous Aluminum Oxide Thin Films on Si Substrate: Structural Changes as a Function of Interfacial Stress. Journal of Physical Chemistry C, 2011, 115, 7621-7627.	1.5	18
24	Anisotropy of Magnetization and Nanocrystalline Texture in Electrodeposited CeO[sub 2] Films. Electrochemical and Solid-State Letters, 2011, 14, P9.	2.2	18
25	Mossbauer study of pseudobinary (Zr1-xHfx)Fe2compounds. Journal of Physics F: Metal Physics, 1982, 12, 2091-2096.	1.6	17
26	Characterization of europium implanted LiNbO₃. Journal of Materials Research, 1993, 8, 2679-2685.	1.2	17
27	Growth kinetics of solidâ€stateâ€reacted Feâ€Zr multilayer films. Journal of Applied Physics, 1991, 70, 4870-4876.	1.1	16
28	Polymerization of Carbon Nanotubes through Self-Irradiation. Journal of Physical Chemistry B, 2006, 110, 23215-23220.	1.2	16
29	Ion beam analysis of ground coffee and roasted coffee beans. Nuclear Instruments & Methods in Physics Research B, 2014, 318, 202-206.	0.6	16
30	Dissolution and reprecipitation of carbonitride precipitates in a low carbon steel by Ar irradiation. Radiation Effects and Defects in Solids, 1989, 110, 355-365.	0.4	15
31	The magnetic hyperfine field at Hf sites in the (Zr, Hf)Fe2 laves pseudo-binary compound. Physica Status Solidi A, 1979, 53, 379-382.	1.7	14
32	Range measurements and thermal stability study of AZ111 photoresist implanted with Bi ions. Journal of Applied Physics, 1988, 63, 2502-2506.	1.1	13
33	Recrystallization behavior of silicon implanted with iron. Journal of Applied Physics, 1992, 71, 5423-5426.	1.1	13
34	Photoluminescence from Si nanocrystals induced by high-temperature implantation in SiO2. Journal of Applied Physics, 2004, 95, 5053-5059.	1.1	13
35	A model for the electronic structure of (T1-xT'x)Fe2intermetallic compounds: an application to (Zr1-xHfx)Fe2. Journal of Physics F: Metal Physics, 1982, 12, 2213-2227.	1.6	12
36	Anomalous depth profiles of light ions and noble gases implanted into polymers. Nuclear Instruments & Methods in Physics Research B, 1989, 39, 800-804.	0.6	12

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37	MÃ¶ssbauer study of the magnetic character and ordering process of the cubic Î³-FeSi2phase obtained by Fe implantation into a Si(100) matrix. Physical Review B, 1996, 54, 11659-11665.	1.1	12
38	The influence of the implantation temperature on the photoluminescence characteristics of Si nanocrystals embedded into SiO2 matrix. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 405-409.	0.6	12
39	Photoluminescence behavior of Si nanocrystals as a function of the implantation temperature and excitation power density. Journal of Applied Physics, 2005, 98, 034312.	1.1	12
40	Biomonitoring study of seasonal anthropogenic influence at the Itamambuca beach (SP, Brazil). Nuclear Instruments & Methods in Physics Research B, 2009, 267, 1960-1964.	0.6	12
41	Characterization of neon implantation damage in silicon. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 112, 111-115.	1.7	11
42	Indirect optical absorption and origin of the emission from Î²-FeSi2 nanoparticles: Bound exciton (0.809) Tj ETQq0 0 0 rgBT /Overlock 10	1.1	11
43	Dissolution and reprecipitation of carbonitride precipitates in carbon steel by low-dose Î± bombardment. Journal of Physics Condensed Matter, 1989, 1, 8799-8808.	0.7	10
44	Low temperature diffusion study of Xe implanted into a photoresist film. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 148, 104-106.	0.9	10
45	Radiation induced diffusion of Xe to a polymer film. Radiation Effects and Defects in Solids, 1993, 125, 289-298.	0.4	10
46	MÃ¶ssbauer study on phase separation in FeNi multilayers under ion bombardment. Surface Science, 1997, 389, 103-108.	0.8	10
47	Defects and magnetic hyperfine fields inZrFe2investigated using perturbed-angular-correlation spectroscopy. Physical Review B, 1999, 60, 1188-1196.	1.1	10
48	Bioacumulation of trace elements in hepatic and renal tissues of the white mullet Mugil curema Valenciennes, 1836 (Actinopterygii, Mugilidae) in two coastal systems in southeastern Brazil. Nuclear Instruments & Methods in Physics Research B, 2014, 318, 94-98.	0.6	10
49	Evaluation of detector efficiency through GUPIXWIN H value. Nuclear Instruments & Methods in Physics Research B, 2018, 417, 56-59.	0.6	10
50	Remarks on alloying-induced lattice parameter changes in intermetallic compounds. Physica Status Solidi A, 1983, 80, 669-677.	1.7	9
51	Thermal stability and diffusion studies in the Au and Bi implanted AZ1350 photoresist. Nuclear Instruments & Methods in Physics Research B, 1990, 46, 350-353.	0.6	9
52	Phase separation in ion bombarded FeNi Invar alloys. Journal of Applied Physics, 1991, 70, 131-134.	1.1	9
53	Very thin Fe/Ni modulation multilayer films under ion bombardment. Journal of Applied Physics, 1997, 81, 4773-4775.	1.1	9
54	Diffusion and solubility of Au implanted into the AZ1350 photoresist. Nuclear Instruments & Methods in Physics Research B, 2000, 166-167, 615-620.	0.6	9

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55	Residual activity induced by ion bombardment on insulating samples. Nuclear Instruments & Methods in Physics Research B, 2005, 240, 297-302.	0.6	9
56	Lattice strain distribution resolved by X-ray Bragg-surface diffraction in an Si matrix distorted by embedded FeSi₂nanoparticles. Journal of Applied Crystallography, 2013, 46, 1796-1804.	1.9	9
57	Characterization of Brazilian ammunitions and their respective gunshot residues with ion beam techniques. Forensic Chemistry, 2018, 7, 94-102.	1.7	9
58	Electrical transport properties of Bi3Ni under helium irradiation and hydrogen implantation. Journal of Physics F: Metal Physics, 1986, 16, 1239-1246.	1.6	7
59	The effects of Î±-particle irradiation on carbonitrides produced in a nitrogen-implanted low-carbon steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1989, 115, 31-36.	2.6	7
60	Solid state amorphization reaction in Feâ^'Zr multilayers. Hyperfine Interactions, 1991, 67, 665-669.	0.2	7
61	Thermal behavior study of Sb implanted into photoresist film. Nuclear Instruments & Methods in Physics Research B, 1993, 80-81, 1316-1319.	0.6	7
62	Grain growth in Zrâ€“Fe multilayers under in situ ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 521-525.	0.6	7
63	Synchrotron x-ray multiple diffraction in the study of Fe+ion implantation in Si(0â€‰0â€‰1). Journal Physics D: Applied Physics, 2009, 42, 195401.	1.3	7
64	Elemental quantification of large gunshot residues. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 170-173.	0.6	7
65	Influence of Ar Implantation on the Precipitation in Au Ion Irradiated AISI 316L Solution Annealed Alloy. MRS Advances, 2018, 3, 1799-1805.	0.5	7
66	Multi/inter/transdisciplinary assessment: A systemic framework proposal to evaluate graduate courses and research teams. Research Evaluation, 2019, 28, 23-36.	1.3	7
67	Au and Ag ion irradiation effects on the carbide precipitation and Ar bubble formation in solubilized AISI 316L alloys. Nuclear Instruments & Methods in Physics Research B, 2019, 458, 174-178.	0.6	7
68	The influence of the winemaking process on the elemental composition of the Marselan red wine. Journal of the Science of Food and Agriculture, 2019, 99, 4642-4650.	1.7	7
69	Evidence for the Metal-Insulator Transition in a Pure 3D Metal. Europhysics Letters, 1986, 2, 465-470.	0.7	6
70	He and Ar post-bombardment effects on carbonitrides formed in a Cr-rich steel. Applied Physics A: Solids and Surfaces, 1990, 51, 476-480.	1.4	6
71	Phase formation in Zrâ€“Fe multilayers: Effect of irradiation. Journal of Applied Physics, 1999, 85, 7146-7158.	1.1	6
72	Diffusion of Ag implanted into the AZ1350 photoresist. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 690-694.	0.6	6

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73	Phase transformation and corrosion behavior of stainless steel bombarded by pulsed energetic ion beams. Surface and Coatings Technology, 2002, 158-159, 604-608.	2.2	6
74	Structural modifications in FexCo1â^'xâ^•Cu multilayers induced by ion irradiation. Journal of Applied Physics, 2004, 96, 1469-1474.	1.1	6
75	Use of STIM for morphological studies of microstructured polymer foils. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 99-103.	0.6	6
76	Variance of elemental concentrations of organic products: the case of Brazilian coffee. Nuclear Instruments & Methods in Physics Research B, 2021, 486, 18-21.	0.6	6
77	Thermal stability and Bi diffusion in the implanted AZ111 photoresist. Nuclear Instruments & Methods in Physics Research B, 1988, 32, 419-421.	0.6	5
78	MÃ¶ssbauer effect measurements on the spin-glass Fe0.25Zn0.75F2. Hyperfine Interactions, 1990, 54, 489-492.	0.2	5
79	Radiation induced diffusion of Xe implanted into the AZ1350 polymer. Nuclear Instruments & Methods in Physics Research B, 1990, 46, 313-316.	0.6	5
80	Effects of Kr post-bombardment on carbonitrides produced in a low carbon nitrogen-implanted steel. Applied Physics A: Solids and Surfaces, 1992, 54, 225-232.	1.4	5
81	Modification of the thermal behavior of iron-carbonitrides induced by Kr bombardment on nitrogen-implanted low carbon steel. Nuclear Instruments & Methods in Physics Research B, 1993, 80-81, 313-316.	0.6	5
82	Solid state reaction crystallization and amorphization on thin film Fe-Zr multilayers. Hyperfine Interactions, 1994, 83, 333-339.	0.2	5
83	Lowâ€temperature ironâ€nitride phase transformations induced by ion bombardment. Journal of Applied Physics, 1996, 80, 3127-3129.	1.1	5
84	Polymer thermal stability enhancement induced by high energy ion beam bombardment. Nuclear Instruments & Methods in Physics Research B, 1998, 141, 187-192.	0.6	5
85	Polymer thermal protection induced by ion beam irradiation. Nuclear Instruments & Methods in Physics Research B, 1998, 134, 35-45.	0.6	5
86	Nanocavities induced by neon Plasma Based Ion Implantation in silicon. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 750-752.	0.6	5
87	Effects of Supplemental Acerola Juice on the Mineral Concentrations in Liver and Kidney Tissue Samples of Mice Fed with Cafeteria Diet. Biological Trace Element Research, 2015, 167, 70-76.	1.9	5
88	Signature of the Himalayan salt. Nuclear Instruments & Methods in Physics Research B, 2020, 477, 150-153.	0.6	5
89	Structural changes in the switching InSe compound studied by the TDPAC techniques. Journal of Physics C: Solid State Physics, 1983, 16, L1039-L1042.	1.5	4
90	The effects of xenon bombardment on the dissolution and reprecipitation of carbonitrides produced in nitrogen-implanted low carbon steel. Surface and Coatings Technology, 1991, 45, 255-262.	2.2	4

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91	Thermal behavior study of Sn and Ag implanted into photoresist film. Nuclear Instruments & Methods in Physics Research B, 1992, 65, 423-427.	0.6	4
92	Point defect energetics in the ZrNi and Zr2Ni intermetallics. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 526-531.	0.6	4
93	Modification of stainless steel and aluminium with pulsed energetic ion beams in the millisecond regime. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 403-409.	0.6	4
94	Electric-field gradients at the Zr sites inZr3Fe:â€,Measured using perturbed-angular-correlation spectroscopy and calculated using band theory. Physical Review B, 2001, 65, .	1.1	4
95	Magnetic and structural behavior of FeCo/Cu multilayers submitted to Kr irradiation. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 424-427.	0.6	4
96	X-ray Bragg-Surface Diffraction: A Tool to Study In-Plane Strain Anisotropy Due to Ion-Beam-Induced Epitaxial Crystallization in Fe+-Implanted Si(001). Crystal Growth and Design, 2010, 10, 4363-4369.	1.4	4
97	Electronic behavior of micro-structured polymer foils immersed in electrolyte. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 222-226.	0.6	4
98	Study of the elemental composition of wine stoppers using PIXE. X-Ray Spectrometry, 2013, 42, 158-164.	0.9	4
99	Elemental characterization of injuries in fish liver. Nuclear Instruments & Methods in Physics Research B, 2014, 318, 83-87.	0.6	4
100	Considerations about projectile and target X-rays induced during heavy ion bombardment. Nuclear Instruments & Methods in Physics Research B, 2018, 417, 19-25.	0.6	4
101	Ion radiation induced diffusion of Xe implanted into a polymer film. Journal of Applied Physics, 1992, 72, 5139-5144.	1.1	3
102	Iron-nitride phase transformations induced by the concomitant use of Ar irradiation and temperature. Nuclear Instruments & Methods in Physics Research B, 1997, 127-128, 756-759.	0.6	3
103	Formation of nanoclusters in Au-implanted bismuth tellurite. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 331-334.	0.6	3
104	Ion beam effects on the morphology and crystalline structure of Fe70Co30/Cu multilayers. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 129-131.	0.6	3
105	Elemental concentration of tomato paste and respective packages through particle-induced X-ray emission. Journal of Food Composition and Analysis, 2021, 97, 103770.	1.9	3
106	THE EFFECT OF CORTISONE ON THE VOLUME AND TOTAL PROTEIN CONTENT OF MOUSE LIVER NUCLEI. Journal of Cell Biology, 1969, 42, 835-837.	2.3	2
107	Ion-Beam Mixing and Solid-State Reaction in Zr-Fe Multilayers. Materials Research Society Symposia Proceedings, 1996, 439, 419.	0.1	2
108	The Feâ€“N system: phase transformations induced by the concomitant use of heavy ion bombardment and temperature. Nuclear Instruments & Methods in Physics Research B, 1999, 148, 836-840.	0.6	2

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109	INFLUENCE OF HELIUM CO-IMPLANTATION ON THE FORMATION OF GOLD NANOCLUSTERS IN LITHIUM NIOBATE. Modern Physics Letters B, 2001, 15, 1348-1354.	1.0	2
110	Formation of coherent gold nanoclusters in lithium niobate. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 478-481.	0.6	2
111	The BCC to FCC/HCP phase transformation of the Co70Fe30 alloy produced by ion irradiation of Co70Fe30/Cu discontinuous multilayers. Physica B: Condensed Matter, 2002, 320, 189-191.	1.3	2
112	Photoluminescence behavior of silicon nanocrystals produced by hot implantation in SiO2. Nuclear Instruments & Methods in Physics Research B, 2006, 242, 109-113.	0.6	2
113	Characterization of neon cavity in silicon. Nuclear Instruments & Methods in Physics Research B, 2006, 242, 494-497.	0.6	2
114	Formation of neon induced cavities in silicon by plasma based ion implantation. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 193-195.	0.6	2
115	Agglomeration defects on irradiated carbon nanotubes. AIP Advances, 2012, 2, 012174.	0.6	2
116	Rubidium in the elemental composition of Brazilian coffee. International Journal of PIXE, 2018, 28, 35-42.	0.4	2
117	Elemental extraction factor from ground to drinking coffee as a function of the water temperature. Nuclear Instruments & Methods in Physics Research B, 2020, 477, 154-158.	0.6	2
118	The Effects of Ar-Bombardment on the Dissolution and Reprecipitation of Carbonitrides Implanted Into Low Carbon Steel. Materials Research Society Symposia Proceedings, 1988, 128, 315.	0.1	1
119	Effects of He and Ar post-bombardment on carbonitrides formed in a Cr-rich commercial steel. Hyperfine Interactions, 1990, 59, 289-292.	0.2	1
120	Effects of Xe postâ€bombardment on carbonitrides produced in a lowâ€carbon nitrogenâ€implanted steel. Journal of Applied Physics, 1990, 68, 4487-4493.	1.1	1
121	MÃ¶ssbauer study of spin-glass Fe x Zn1â^'x F2 system. Hyperfine Interactions, 1991, 67, 507-511.	0.2	1
122	Kr and N implantations in a stainless steel AISI304L: thermal evolution. Surface and Coatings Technology, 1995, 70, 211-213.	2.2	1
123	Depth, phase and coarsening evolution of FeSi2 precipitates upon thermal annealing. Nuclear Instruments & Methods in Physics Research B, 1995, 96, 366-369.	0.6	1
124	Influence of Ar bombardment on the thermal behavior of nitrides produced by N implantation into Fe. Surface and Coatings Technology, 1996, 83, 78-81.	2.2	1
125	Diffusion of Bi, Er and Eu implanted into S1813 photoresist. Nuclear Instruments & Methods in Physics Research B, 2004, 215, 90-98.	0.6	1
126	The excitation power density effect on the Si nanocrystals photoluminescence. Nuclear Instruments & Methods in Physics Research B, 2006, 250, 178-182.	0.6	1

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127	Atomic level mixing induced by Kr irradiation of FeCoâˆ•Cu multilayers. Journal of Applied Physics, 2008, 103, 033505.	1.1	1
128	Elemental concentrations in kidney and liver of mice fed with cafeteria or standard diet determined by particle induced X-ray emission. Nuclear Instruments & Methods in Physics Research B, 2014, 318, 198-201.	0.6	1
129	The role of micro-NRA and micro-PIXE in carbon mapping of organic tissues. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 160-164.	0.6	1
130	Changes in the element concentration of the dorsal hippocampus CA1 region during memory consolidation and reconsolidation. Journal of Chemical Neuroanatomy, 2018, 90, 49-56.	1.0	1
131	Long-term variations of the elemental concentration of table cream. Nuclear Instruments & Methods in Physics Research B, 2020, 477, 159-162.	0.6	1
132	PolÃ‡ticas pÃºblicas para reduÃ§Ã£o de assimetrias e a pÃ³s-graduaÃ§Ã£o na RegiÃ£o da AmazÃ´nia Legal/Brasil. Research, Society and Development, 2021, 10, .	0.0	1
133	The potentialities of ultrasound as an alternative to chemical etching for proton beam writing micropatterning. Journal of Applied Polymer Science, 2022, 139, .	1.3	1
134	The effects of Î±-particle irradiation fluence on N implanted compounds in low carbon steel. Hyperfine Interactions, 1989, 46, 481-489.	0.2	0
135	Argon Irradiation of Sn Thin Layers Deposited on Fe Substrates. Physica Status Solidi A, 1989, 111, 173-180.	1.7	0
136	Low-temperature diffusion study of Xe implanted into a polymer film. Nuclear Instruments & Methods in Physics Research B, 1991, 59-60, 1281-1284.	0.6	0
137	Thermal behavior of bubbles and nitrides in a Cr-rich steel. Hyperfine Interactions, 1994, 83, 253-258.	0.2	0
138	Phase Formation in Zr/Fe Multilayers During Kr Ion Irradiation. Materials Research Society Symposia Proceedings, 1997, 481, 377.	0.1	0
139	Phase transformations in the Fe-N system induced by the concomitant use of ion irradiation and temperature. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 1721-1738.	0.8	0
140	Creation of noble metal nanoclusters in bismuth tellurite. Nuclear Instruments & Methods in Physics Research B, 2003, 206, 653-656.	0.6	0
141	TEM and PL characterization of erbium and oxygen co-implanted LT-GaAs:Be. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 444-450.	0.6	0
142	Considerations about PIXE analysis under channeling conditions. Nuclear Instruments & Methods in Physics Research B, 2005, 240, 321-326.	0.6	0
143	A New Approach to Study the Damage Induced by Inert Gases Implantation in Silicon. Solid State Phenomena, 2005, 108-109, 357-364.	0.3	0
144	Modification of the thermal behavior of nitrides induced by Ar bombardment in a nitrogen implanted iron. , 1996, , 1024-1027.		0

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145	Elemental characterization of food and beverages carried out at Ion Implantation Laboratory: a review. International Journal of PIXE, 2018, 28, 13-19.	0.4	0