

Luis Alves

List of Publications by Year in descending order

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217
papers

2,610
citations

279487

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221
all docs

221
docs citations

221
times ranked

2778
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Characterization and Performance Evaluation of Nitrogen Implanted Coinage Dies. Processes, 2022, 10, 479.	1.3	0
2	Historical restorations of the Maqárah glass mosaics from the Great Mosque of Córdoba. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2022, , .	0.9	0
3	An Overview of Germanic Grisailles through the Stained-Glass Collection at Pena Palace. Heritage, 2022, 5, 1003-1023.	0.9	2
4	Enhancing the luminescence yield of Cr ³⁺ in Cr^{3+} -Ga ₂ O ₃ by proton irradiation. Applied Physics Letters, 2022, 120, .	1.5	8
5	Ion beam analysis of Li-Sn alloys for fusion applications. Nuclear Instruments & Methods in Physics Research B, 2021, 486, 55-62.	0.6	0
6	A transparent dialogue between iconography and chemical characterisation: a set of foreign stained glasses in Portugal. Heritage Science, 2021, 9, .	1.0	5
7	Christian-Muslim contacts across the Mediterranean: Byzantine glass mosaics in the Great Umayyad Mosque of Córdoba (Spain). Journal of Archaeological Science, 2021, 129, 105370.	1.2	9
8	Self-powered proton detectors based on GaN core-shell microwires. Applied Physics Letters, 2021, 118, .	1.5	3
9	Calle Horno del Vidrio: Preliminary Study of Glass Production Remains Found in Granada, Spain, Dated to the 16th and 17th Centuries. Minerals (Basel, Switzerland), 2021, 11, 688.	0.8	1
10	An insider view of the Portuguese ion beam laboratory. European Physical Journal Plus, 2021, 136, 1.	1.2	15
11	Early Iron Age copper-based funerary items from southern Portugal. Archaeological and Anthropological Sciences, 2021, 13, 1.	0.7	3
12	In-Depth Inhomogeneities in CIGS Solar Cells: Identifying Regions for Performance Limitations by PIXE and EBS. Journal of Physical Chemistry C, 2021, 125, 16155-16165.	1.5	0
13	Símbolos de estatus o una visión de los primeros momentos del Bronce Medio del suroeste: las estructuras funerarias de Horta do Pinheiro 5 (Torres do Alentejo, sur de Portugal). Trabajos De Prehistoria, 2021, 78, 292-308.	0.2	0
14	Castanea sativa shells and fruits: Compositional analysis by proton induced X-ray emission. Nuclear Instruments & Methods in Physics Research B, 2020, 477, 98-103.	0.6	11
15	Microanalytical study of copper ores from the Chalcolithic settlement of São Pedro (Portugal): Copper production in the southwestern Iberian Peninsula. Archaeometry, 2020, 62, 314-328.	0.6	7
16	White on blue: A study on underglaze-decorated ceramic tiles from 15th-16th-century Valencian and Sevillian productions. Journal of Archaeological Science: Reports, 2020, 30, 102254.	0.2	0
17	Lithium dilution in Li-Sn alloys. Nuclear Materials and Energy, 2020, 25, 100783.	0.6	4
18	Arduino-controlled Reflectance Transformation Imaging to the study of cultural heritage objects. SN Applied Sciences, 2020, 2, 1.	1.5	4

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19	Ion beam induced current analysis in GaN microwires. EPJ Web of Conferences, 2020, 233, 05001.	0.1	1
20	Grisailles: Reconstruction and characterization of historical recipes. International Journal of Applied Glass Science, 2020, 11, 756-773.	1.0	8
21	Oxidation behaviour of neutron irradiated Be pebbles. Nuclear Materials and Energy, 2020, 23, 100748.	0.6	3
22	Thermal stability and ionic conduction characteristics of lithium germanate glasses. Solid State Sciences, 2020, 101, 106109.	1.5	0
23	Surface analysis of corroded XV th -XVI century copper coins by ¹ / ₄ -XRF and ¹ / ₄ -PIXE/ ¹ / ₄ -EBS self-consistent analysis. Materials Characterization, 2020, 161, 110170.	1.9	8
24	Debitus grisailles for stained-glass conservation: an analytical study. Conservar Patrimônio, 2020, 34, 65-72.	0.5	11
25	From beams to glass: determining compositions to study provenance and production techniques. Physical Sciences Reviews, 2019, 4, .	0.8	5
26	Micro-Opto-Electro-Mechanical Device Based on Flexible $\text{In}_2\text{Ga}_2\text{O}_3$ Micro-Lamellas. ECS Journal of Solid State Science and Technology, 2019, 8, Q3235-Q3241.	0.9	3
27	Nanotechnology in Roman Opaque Red Glass from the 2nd Century AD. Archaeometric Investigation in Red Sectilia from the Decoration of the Lucius Verus Villa in Rome. Heritage, 2019, 2, 2597-2611.	0.9	11
28	Study of Iron Gall Inks, Ingredients and Paper Composition Using Non-Destructive Techniques. Heritage, 2019, 2, 2691-2703.	0.9	22
29	Electrical and optical properties of heavily Ge-doped AlGaIn. Journal Physics D: Applied Physics, 2019, 52, 125101.	1.3	22
30	Fungal biodeterioration of stained-glass windows in monuments from Belém do Pará (Brazil). International Biodeterioration and Biodegradation, 2019, 138, 106-113.	1.9	20
31	Modelling the uptake of suspended materials and salts in nearshore waters by plastics using nuclear microscopy and depth profiling analytical tools. Nuclear Instruments & Methods in Physics Research B, 2019, 451, 127-134.	0.6	5
32	Ultrafast Low-Temperature Crystallization of Solar Cell Graded Formamidinium-Cesium Mixed-Cation Lead Mixed-Halide Perovskites Using a Reproducible Microwave-Based Process. ACS Applied Energy Materials, 2019, 2, 1844-1853.	2.5	20
33	The Composition of the S ^W Br ^W Copper Hoard in Relation to the Bell Beaker Metallurgy in the Southwestern Iberian Peninsula. Archaeometry, 2019, 61, 392-405.	0.6	5
34	Compositional analysis by RBS, XPS and EDX of ZnO:Al,Bi and ZnO:Ga,Bi thin films deposited by d.c. magnetron sputtering. Vacuum, 2019, 161, 268-275.	1.6	26
35	Characterization of glass tesserae from the Mosque of Cordoba. , 2019, , 258-262.		0
36	Electrical characterization of molybdenum oxide lamellar crystals irradiated with UV light and proton beams. Surface and Coatings Technology, 2018, 355, 50-54.	2.2	5

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37	Radiation sensors based on GaN microwires. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 175105.	1.3	8
38	European Silver Sources from the 15th to the 17th Century: The Influx of "New World" Silver in Portuguese Currency. <i>Heritage</i> , 2018, 1, 453-467.	0.9	3
39	Facile Microwave-assisted Synthesis Manganese Doped Zinc Sulfide Nanoparticles. <i>Scientific Reports</i> , 2018, 8, 15992.	1.6	17
40	In Situ Characterization and Modification of Ga_2O_3 Flakes Using an Ion Microprobe. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800190.	0.8	7
41	Chemical, physical and mineralogical characterisation of the Hispano-Moresque tile collection from Lisbon Roman Theatre Museum. <i>Conservar Património</i> , 2018, 29, 25-39.	0.5	4
42	Depth profile by Total IBA in perovskite active layers for solar cells. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 404, 211-218.	0.6	4
43	Using nuclear microscopy to characterize the interaction of textile-used silver nanoparticles with a biological wastewater treatment system. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 404, 150-154.	0.6	3
44	The Glaze Technology of Hispano-Moresque Ceramic Tiles: A Comparison Between Portuguese and Spanish Collections. <i>Archaeometry</i> , 2017, 59, 667-684.	0.6	15
45	Wine Bottles From Lisbon: Archaeometric Studies Of Two Archaeological Sites Dated From The 17th To The 19th Century. <i>Archaeometry</i> , 2017, 59, 852-873.	0.6	7
46	3D map distribution of metallic nanoparticles in whole cells using MeV ion microscopy. <i>Journal of Microscopy</i> , 2017, 267, 227-236.	0.8	6
47	Provenance studies of 18th century potassium-rich archaeological glass from Portugal. <i>Journal of Archaeological Science: Reports</i> , 2017, 13, 185-198.	0.2	4
48	Simultaneous use and self-consistent analyses of ^{14}C -PIXE and ^{14}C -EBS for the characterization of corrosion layers grown on ancient coins. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 406, 324-328.	0.6	7
49	Investigation of surface silver enrichment in ancient high silver alloys by PIXE, EDXRF, LA-ICP-MS and SEM-EDS. <i>Microchemical Journal</i> , 2017, 131, 103-111.	2.3	35
50	Colourless Roman glass from the Zadar necropolis: An exploratory approach. <i>Journal of Archaeological Science: Reports</i> , 2017, 15, 194-202.	0.2	2
51	Swiss Stained-Glass Panels: An Analytical Study. <i>Microscopy and Microanalysis</i> , 2017, 23, 878-890.	0.2	8
52	Una revisión de los discos de Fortios. <i>Trabajos De Prehistoria</i> , 2017, 74, 181.	0.2	2
53	Characterization of the glaze and in-glaze pigments of the nineteenth-century relief tiles from the Pena National Palace, Sintra, Portugal. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	9
54	The Cistercian glazed tiles of the Monastery of Alcobaça: characterization of the colour palette. <i>Journal of Medieval Iberian Studies</i> , 2016, 8, 196-216.	0.2	3

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55	Provenance studies on fa ^À son-de-Venise glass excavated in Portugal. Journal of Archaeological Science: Reports, 2016, 7, 437-448.	0.2	5
56	First archaeometric study on medieval glass found in Beja (Southern Portugal). Journal of Medieval Iberian Studies, 2016, 8, 148-175.	0.2	6
57	Fensterbierscheiben in the Pena National Palace collection - chemical and iconographic relations. X-Ray Spectrometry, 2016, 45, 308-317.	0.9	5
58	An integrated approach for assessing the bioreceptivity of glazed tiles to phototrophic microorganisms. Biofouling, 2016, 32, 243-259.	0.8	13
59	Quantum well intermixing and radiation effects in InGaN/GaN multi quantum wells. , 2016, , .		1
60	A biocompatible hybrid material with simultaneous calcium and strontium release capability for bone tissue repair. Materials Science and Engineering C, 2016, 62, 429-438.	3.8	21
61	First results on radiometric dating of metals by alpha spectrometry. Microchemical Journal, 2016, 124, 608-614.	2.3	1
62	Tin determination in fistula seals from Conimbriga and Augusta Emerita. Microchemical Journal, 2016, 124, 540-546.	2.3	11
63	Study of In distribution on GaInSb:Al crystals by ion beam techniques. Nuclear Instruments & Methods in Physics Research B, 2016, 371, 278-282.	0.6	6
64	Paintings on copper by the Flemish artist Frans Francken II: PIXE characterization by external microbeam. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 291-295.	0.6	14
65	Changes of the elemental distributions in marine diatoms as a reporter of sample preparation artefacts. A nuclear microscopy application. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 265-268.	0.6	2
66	Assessment of dye distribution in sensitized solar cells by microprobe techniques. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 255-259.	0.6	3
67	Self-consistent depth profiling and imaging of GaN-based transistors using ion microbeams. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 246-250.	0.6	2
68	Impact of inflammation on iron stores in involved and non-involved psoriatic skin. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 119-122.	0.6	1
69	Performance of a gas flow ionization detector filled with He-iso-C ₄ H ₁₀ mixtures for STIM-T. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 100-105.	0.6	1
70	Optical performance of thin films produced by the pulsed laser deposition of SiAlON and Er targets. Applied Surface Science, 2015, 336, 274-277.	3.1	6
71	Doping of Ga ₂ O ₃ bulk crystals and NWs by ion implantation. Proceedings of SPIE, 2014, , .	0.8	12
72	ZnO micro/nanocrystals grown by laser assisted flow deposition. , 2014, , .		1

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73	Elemental distribution in human femoral head. Nuclear Instruments & Methods in Physics Research B, 2014, 331, 266-270.	0.6	4
74	Microdistribution of major to trace elements between roots of Halimione portulacoides and host sediments (Tagus estuary marsh, Portugal). Plant and Soil, 2014, 376, 129-137.	1.8	6
75	Imaging of intracellular metal partitioning in marine diatoms exposed to metal pollution: consequences to cellular toxicity and metal fate in the environment. Metallomics, 2014, 6, 1626.	1.0	22
76	GPU-accelerated reconstruction methods for Proton Induced X-Ray Emission Tomography. Radiation Physics and Chemistry, 2014, 95, 251-253.	1.4	1
77	Influence of lateral and in-depth metal segregation on the patterning of ohmic contacts for GaN-based devices. Journal Physics D: Applied Physics, 2014, 47, 185302.	1.3	2
78	Hispano-Moresque ceramic tiles from the Monastery of Santa Clara-a-Velha (Coimbra, Portugal). Journal of Archaeological Science, 2014, 41, 21-28.	1.2	28
79	Magnetic and electrical characterization of TiO ₂ single crystals co-implanted with iron and cobalt. Journal of Magnetism and Magnetic Materials, 2014, 364, 106-116.	1.0	9
80	A comparison of quantitative reconstruction techniques for PIXE-tomography analysis applied to biological samples. Nuclear Instruments & Methods in Physics Research B, 2014, 331, 248-252.	0.6	12
81	Filling the gaps of dinosaur eggshell phylogeny: Late Jurassic Theropod clutch with embryos from Portugal. Scientific Reports, 2013, 3, 1924.	1.6	45
82	Analysis of surface stains on modern gold coins. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 232-235.	0.6	6
83	Effect of rapid thermal annealing on the composition of Au/Ti/Al/Ti ohmic contacts for GaN-based microdevices. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 212-217.	0.6	7
84	CdTe nano-structures for photovoltaic devices. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 218-221.	0.6	2
85	The influence of photon excitation and proton irradiation on the luminescence properties of yttria stabilized zirconia doped with praseodymium ions. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 207-211.	0.6	2
86	Editorial "13th ICNMTA 2012. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 1-2.	0.6	0
87	New gas detector setup for on-axis STIM tomography experiments. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 104-108.	0.6	4
88	Micro-scale elemental partition in tissues of the aquatic plant Lemna minor L. exposed to highway drainage water. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 150-152.	0.6	5
89	The earrings of Pancas treasure: Analytical study by X-ray based techniques " A first approach. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 236-240.	0.6	10
90	Formation and delamination of beryllium carbide films. Journal of Nuclear Materials, 2013, 442, S320-S324.	1.3	11

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91	A comparative study of photo-, cathodo- and ionoluminescence of GaN nanowires implanted with rare earth ions. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 201-206.	0.6	8
92	Fast simulation of Proton Induced X-Ray Emission Tomography using CUDA. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 109-112.	0.6	10
93	Microprobe analysis, iono- and photo-luminescence of Mn ²⁺ activated ZnGa ₂ O ₄ fibres. Nuclear Instruments & Methods in Physics Research B, 2013, 306, 195-200.	0.6	12
94	Towards the understanding of the intentionally induced yellow luminescence in GaN nanowires. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 667-672.	0.8	8
95	On the influence of silica type on the structural integrity of dense La _{9.33} Si ₂ Ge ₄ O ₂₆ electrolytes for SOFCs. Journal of the European Ceramic Society, 2013, 33, 2251-2258.	2.8	12
96	Lead in liver and kidney of exposed rats: Aging accumulation study. Journal of Trace Elements in Medicine and Biology, 2012, 26, 285-290.	1.5	15
97	Carbon Deposition on Beryllium Substrates and Subsequent Delamination. Materials Science Forum, 2012, 730-732, 179-184.	0.3	0
98	Characterization of PE-g-HEMA films prepared by gamma irradiation through nuclear microprobe techniques. Radiation Physics and Chemistry, 2012, 81, 1319-1323.	1.4	4
99	Optical properties of LFZ grown $\hat{\text{I}}^2\text{-Ga}_2\text{O}_3\text{:Eu}^{3+}$ fibres. Applied Surface Science, 2012, 258, 9157-9161.	3.1	28
100	AlN content influence on the properties of Al _x Ga _{1-x} N doped with Pr ions. Nuclear Instruments & Methods in Physics Research B, 2012, 273, 149-152.	0.6	4
101	Comparative study of fusion relevant properties of Be ¹² V and Be ¹² Ti. Fusion Engineering and Design, 2011, 86, 2454-2457.	1.0	9
102	Microstructural characterization of the ODS Eurofer 97 EU-batch. Fusion Engineering and Design, 2011, 86, 2386-2389.	1.0	12
103	Production of Cu/diamond composites for first-wall heat sinks. Fusion Engineering and Design, 2011, 86, 2589-2592.	1.0	23
104	Tritium permeation, retention and release properties of beryllium pebbles. Fusion Engineering and Design, 2011, 86, 2338-2342.	1.0	9
105	Surface composition and morphology changes of JET tiles under plasma interactions. Fusion Engineering and Design, 2011, 86, 2557-2560.	1.0	6
106	Roman and modern slag at S. Domingos mine (IPB, Portugal): compositional features and implications for their long-term stability and potential reuse. International Journal of Environment and Waste Management, 2011, 8, 133.	0.2	22
107	Mechanical synthesis of copper-carbon nanocomposites: Structural changes, strengthening and thermal stabilization. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 8610-8620.	2.6	20
108	Particulate matter in exhaled breath condensate: A promising indicator of environmental conditions. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 2404-2408.	0.6	7

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109	Characterisation of medieval yellow silver stained glass from Convento de Cristo in Tomar, Portugal. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 2383-2388.	0.6	22
110	Characterization of mercury gilding art objects by external proton beam. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 3049-3053.	0.6	17
111	Materials research under ITER-like divertor conditions at FOM Rijnhuizen. Journal of Nuclear Materials, 2011, 417, 457-462.	1.3	1
112	Corrosion of 15th and early 16th century stained glass from the monastery of Batalha studied with external ion beam. Materials Characterization, 2011, 62, 211-217.	1.9	27
113	Mineralogy and geochemistry of tin- and germanium-bearing copper ore, Barrigão re-mobilized vein deposit, Iberian Pyrite Belt, Portugal. International Geology Review, 2011, 53, 1212-1238.	1.1	17
114	IBIXFIT: A Tool For The Analysis Of Microcalorimeter PIXE Spectra. , 2011, , .		3
115	Integration Of SIMS Into A General Purpose IBA Data Analysis Code. AIP Conference Proceedings, 2011, , .	0.3	4
116	Iron and cobalt co-doping of single crystalline titanium dioxide. Journal of Physics: Conference Series, 2010, 200, 062028.	0.3	3
117	Using the exhaled breath condensate as a tool for non-invasive evaluation of pollutant exposure. International Journal of Environment and Health, 2010, 4, 293.	0.3	9
118	Influence of temperature and plasma composition on deuterium retention in refractory metals. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 2124-2128.	0.6	2
119	Carbon film growth and hydrogenic retention of tungsten exposed to carbon-seeded high density deuterium plasmas. Journal of Nuclear Materials, 2010, 396, 176-180.	1.3	2
120	k0-INAA performance in the measurement of filters sampled in an industry with high loadings of metals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 453-455.	0.7	8
121	High Resolution and Differential PIXE combined with RBS, EBS and AFM analysis of magnesium titanate (MgTiO ₃) multilayer structures. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1980-1985.	0.6	20
122	Erosion and re-deposition processes in JET tiles studied with ion beams. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1991-1996.	0.6	15
123	Damage recovery and optical activity in europium implanted wide gap oxides. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3137-3141.	0.6	5
124	Hydrogenic retention of high-Z refractory metals exposed to ITER divertor-relevant plasma conditions. Nuclear Fusion, 2010, 50, 055004.	1.6	17
125	Nitrogen and argon doped zinc oxide. Journal of Physics Condensed Matter, 2010, 22, 346005.	0.7	8
126	Phase relations of the Eu-Zn-Al system at 400°C from 0 to 33.3at.% Eu. Journal of Alloys and Compounds, 2010, 495, 39-44.	2.8	11

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127	Early Iron Age gold buttons from South-Western Iberian Peninsula. Identification of a gold metallurgical workshop. <i>Trabajos De Prehistoria</i> , 2010, 67, 501-510.	0.2	11
128	Structural and optical properties of Zn _{0.9} Mn _{0.1} O/ZnO core-shell nanowires designed by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	13
129	High airborne PM _{2.5} chlorine concentrations link to diabetes surge in Portugal. <i>Science of the Total Environment</i> , 2009, 407, 5726-5734.	3.9	13
130	Hydrogenic retention in tungsten exposed to ITER divertor relevant plasma flux densities. <i>Journal of Nuclear Materials</i> , 2009, 390-391, 610-613.	1.3	14
131	Ultrastructure of <i>Tuta absoluta</i> parasitized eggs and the reproductive potential of females after parasitism by <i>Metarhizium anisopliae</i> . <i>Micron</i> , 2009, 40, 255-261.	1.1	22
132	Micro-scale elemental distribution in the thallus of <i>Flavoparmelia caperata</i> transplanted to polluted site. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 281, 205-210.	0.7	9
133	Changes of iron concentrations in skin and plasma of patients with hemochromatosis along therapy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 281, 161-164.	0.7	2
134	Stained glasses under the nuclear microprobe: A window into history. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 2260-2264.	0.6	13
135	Imaging iron in skin and liver: Non-invasive tools for hemochromatosis therapy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 2140-2143.	0.6	3
136	Electrochemical behaviour of uranium (IV) in DMF at vitreous carbon. <i>Electrochimica Acta</i> , 2009, 54, 7318-7323.	2.6	5
137	Stratum Corneum Is an Effective Barrier to TiO ₂ and ZnO Nanoparticle Percutaneous Absorption. <i>Skin Pharmacology and Physiology</i> , 2009, 22, 266-275.	1.1	187
138	Electrochemical behaviour of chromium-implanted magnesium in hydroxide, chloride and sulphate solutions. <i>Surface and Coatings Technology</i> , 2008, 202, 4086-4093.	2.2	8
139	DT2, a PIXE spectra simulation and fitting package. <i>X-Ray Spectrometry</i> , 2008, 37, 100-102.	0.9	16
140	Growth of GaInSb concentrated alloys under alternating magnetic field. <i>Journal of Crystal Growth</i> , 2008, 310, 1424-1432.	0.7	8
141	Stained glasses from Monastery of Batalha: Non-destructive characterisation of glasses and glass paintings. <i>Journal of Cultural Heritage</i> , 2008, 9, e5-e9.	1.5	19
142	Rediscovering the materials of Arraiolos tapestries: fibre and mordant analysis by SEM-EDS and ¹ / ₄ -PIXE. <i>Microscopy and Microanalysis</i> , 2008, 14, 91-94.	0.2	3
143	Microstructure characterization of ODS-RAFMs. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1125, 1.	0.1	0
144	Structural and Oxidation Studies of Titanium Beryllides. <i>Nuclear Technology</i> , 2007, 159, 233-237.	0.7	2

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145	Structural and optical properties of Er ³⁺ -ion in sol-gel grown LiNbO ₃ . Journal of Physics Condensed Matter, 2007, 19, 016213.	0.7	8
146	Nuclear microscopy: A tool for imaging elemental distribution and percutaneous absorption in vivo. Microscopy Research and Technique, 2007, 70, 302-309.	1.2	36
147	Optical and structural behaviour of Cu-implanted sapphire. Surface and Coatings Technology, 2007, 201, 8190-8196.	2.2	9
148	Synthesis of ZnO nanocrystals in sapphire by ion implantation and vacuum annealing. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 515-518.	0.6	14
149	The influence of corneocyte structure on the interpretation of permeation profiles of nanoparticles across skin. Nuclear Instruments & Methods in Physics Research B, 2007, 260, 119-123.	0.6	57
150	Elemental distributions in femoral bone of rat under osteoporosis preventive treatments. Journal of Microscopy, 2006, 224, 298-305.	0.8	11
151	Ion beam characterisation of ODS steel samples after long term annealing conditions. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 493-496.	0.6	6
152	Using skin to assess iron accumulation in human metabolic disorders. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 697-701.	0.6	7
153	Growth of Ga _(1-x) In _x Sb alloys by Vertical Bridgman technique under alternating magnetic field. Journal of Crystal Growth, 2006, 287, 224-229.	0.7	28
154	Cr ion implantation into Ti. Surface and Coatings Technology, 2006, 200, 3913-3917.	2.2	1
155	Synthesis and characterisation of GaSb and GaInSb feed materials. Journal of Crystal Growth, 2005, 275, e601-e607.	0.7	5
156	Comparison between vertical Bridgman and feeding techniques for GaInSb alloy growths. Journal of Crystal Growth, 2005, 275, e537-e542.	0.7	3
157	Growth of concentrated GaInSb alloys with improved chemical homogeneity at low and variable pulling rates. Journal of Crystal Growth, 2005, 283, 124-133.	0.7	10
158	Microstructural characterization of Eurofer-ODS RAFM steel in the normalized and tempered condition and after thermal aging in simulated fusion conditions. Fusion Engineering and Design, 2005, 75-79, 1061-1065.	1.0	21
159	Skin morphology and layer identification using different STIM geometries. Nuclear Instruments & Methods in Physics Research B, 2005, 231, 292-299.	0.6	28
160	Morphologic characterisation and elemental distribution of Octopus vulgaris Cuvier, 1797 vestigial shell. Nuclear Instruments & Methods in Physics Research B, 2005, 231, 345-349.	0.6	12
161	Compositional and structural characterisation of GaSb and GaInSb. Nuclear Instruments & Methods in Physics Research B, 2005, 240, 360-364.	0.6	3
162	Ion beam analysis of GaInAsSb films grown by MOVPE on GaSb. Nuclear Instruments & Methods in Physics Research B, 2005, 241, 326-330.	0.6	6

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163	Characterization and stability studies of titanium beryllides. <i>Fusion Engineering and Design</i> , 2005, 75-79, 759-763.	1.0	2
164	A Milliprobe for PIXE and PIGE Analysis used for the Study of Colour-Zoned Tourmaline. <i>Physica Scripta</i> , 2005, , 237.	1.2	0
165	Optical spectroscopy of Pr ³⁺ in M+Bi(XO ₄) ₂ , M+= Li or Na and X = W or Mo, locally disordered single crystals. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 2139-2160.	0.7	67
166	High quality ion-induced secondary electron imaging for MeV nuclear microprobe applications. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004, 22, 560.	1.6	13
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