Roberto Cesareo

List of Publications by Year
in descending order

168 papers	2,839 citations	159585 30 h-index	243625 44 g-index
169 all docs	169 docs citations	169 times ranked	2031 citing authors

#	Article	IF	Citations
1	Prospective Study of Effectiveness of Ultrasound-Guided Radiofrequency Ablation Versus Control Group in Patients Affected by Benign Thyroid Nodules. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 460-466.	3.6	126
2	A new tomographic device based on the detection of fluorescent x-rays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 277, 669-672.	1.6	115
3	Italian Association of Clinical Endocrinologists (AME) and Italian Chapter of the American Association of Clinical Endocrinologists (AACE) Position Statement: Clinical Management of Vitamin D Deficiency in Adults. Nutrients, 2018, 10, 546.	4.1	103
4	Interaction of keV photons with matter and new applications. Physics Reports, 1992, 213, 117-178.	25.6	96
5	Quantitative analysis of metals in soil using X-ray fluorescence. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2000, 55, 1189-1194.	2.9	86
6	USING A COMPUTED TOMOGRAPHY MINISCANNER IN SOIL SCIENCE. Soil Science, 1986, 142, 56.	0.9	79
7	X- and gamma -rays computerized minitomograph scanner for soil science. IEEE Transactions on Instrumentation and Measurement, 1990, 39, 745-750.	4.7	61
8	A comparison of laser with radiofrequency ablation for the treatment of benign thyroid nodules: a propensity score matching analysis. International Journal of Hyperthermia, 2017, 33, 1-9.	2.5	59
9	Nodule size as predictive factor of efficacy of radiofrequency ablation in treating autonomously functioning thyroid nodules. International Journal of Hyperthermia, 2018, 34, 617-623.	2.5	58
10	Effects of alendronate and vitamin D in patients with normocalcemic primary hyperparathyroidism. Osteoporosis International, 2015, 26, 1295-1302.	3.1	56
11	Pigment layers and precious metal sheets by energy-dispersive x-ray fluorescence analysis. X-Ray Spectrometry, 2008, 37, 309-316.	1.4	51
12	Multilayered samples reconstructed by measuring KÎ±/KÎ² or LÎ±/LÎ² X-ray intensity ratios by EDXRF. Nuclear Instruments & Methods in Physics Research B, 2013, 312, 15-22.	1.4	50
13	Efficacy of radiofrequency ablation in autonomous functioning thyroid nodules. A systematic review and meta-analysis. Reviews in Endocrine and Metabolic Disorders, 2019, 20, 37-44.	5.7	48
14	Metal location and thickness in a multilayered sheet by measuring KÎ±/KÎ², LÎ±/LÎ² and LÎ±/LÎ³ X-ray ratios. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 2890-2896.	1.4	45
15	Radiofrequency ablation for the management of thyroid nodules: A critical appraisal of the literature. Clinical Endocrinology, 2017, 87, 639-648.	2.4	45
16	Works of art investigation with silicon drift detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 439, 458-470.	1.6	42
17	Lx-ray fluorescence cross sections and intensity ratios in some high-Zelements excited by 23.62- and 24.68-keV photons. Physical Review A, 1993, 47, 1087-1092.	2.5	38
18	Italian association of clinical endocrinologists (AME) position statement: drug therapy of osteoporosis. Journal of Endocrinological Investigation, 2016, 39, 807-834.	3.3	38

#	Article	IF	Citations
19	Coherent and incoherent scattering of 14.93, 17.44 and 21.12 keV photons from Al, Cu, Sr, Cd, Ce, Pr, Sm, Pt, Au and Pb. Physica Scripta, 1994, 50, 314-320.	2.5	36
20	Quantitative determination of metals in radish using x-ray fluorescence spectrometry. X-Ray Spectrometry, 2002, 31, 120-123.	1.4	36
21	Pre-Columbian alloys from the royal tombs of SipÃ¡n; energy dispersive X-ray fluorescence analysis with a portable equipment. Applied Radiation and Isotopes, 2010, 68, 525-528.	1.5	36
22	Nuclear resonant scattering of gamma rays in Ni, Cd, Sn and Bi. Nuclear Physics A, 1969, 132, 512-528.	1.5	35
23	Attenuation coefficients and tomographic measurements for soil in the energy range 10â€”300 keV. Applied Radiation and Isotopes, 1994, 45, 613-620.	1.5	35
24	Non-destructive EDXRF-analysis of the golden haloes of Giottoâ€™s frescos in the Chapel of the Scrovegni in Padua. Nuclear Instruments & Methods in Physics Research B, 2003, 211, 133-137.	1.4	34
25	Analysis of the spectacular gold and silver from the Moche tomb â€˜SeÃ±ora de Caoâ€™. X-Ray Spectrometry, 2016, 45, 138-154.	1.4	33
26	Measurements of L1, LÎ±, LÎ² and LÎ³ x-ray fluorescence cross-sections in heavy elements excited by 36.62, 43.69, 48.30, 50.20 and 53.50 keV photons. X-Ray Spectrometry, 1993, 22, 401-405.	1.4	32
27	Portable equipment for energy dispersive X-ray fluorescence analysis of Giottoâ€™s frescoes in the Chapel of the Scrovegni. Nuclear Instruments & Methods in Physics Research B, 2004, 213, 703-706.	1.4	32
28	A Comparative Study of Fine Needle Aspiration and Fine Needle Non-Aspiration Biopsy on Suspected Thyroid Nodules. Endocrine Pathology, 2009, 20, 108-113.	9.0	32
29	Cork quality estimation by using Compton tomography. Nuclear Instruments & Methods in Physics Research B, 2002, 196, 161-168.	1.4	31
30	Raman Spectroscopy Applied to Parathyroid Tissues: A New Diagnostic Tool to Discriminate Normal Tissue from Adenoma. Analytical Chemistry, 2018, 90, 847-854.	6.5	30
31	NONâ€ÐESTRUCTIVE ANALYSIS OF CHEMICAL ELEMENTS IN PAINTINGS AND ENAMELS. Archaeometry, 1972, 14, 65-78.	1.3	29
32	Efficacy and safety of a single radiofrequency ablation of solid benign non-functioning thyroid nodules. Archives of Endocrinology and Metabolism, 2017, 61, 173-179.	0.6	28
33	L X-ray fluorescence cross sections of heavy elements excited by 15.20, 16.02, 23.62 and 24.68 keV photons. Nuclear Instruments & Methods in Physics Research B, 1993, 83, 31-36.	1.4	27
34	Reversible increase of intraocular pressure in subclinical hypothyroid patients. European Journal of Endocrinology, 1997, 136, 595-598.	3.7	27
35	Photon-excited K x-ray fluorescence cross-sections for some light elements in the energy range 20-60 keV. X-Ray Spectrometry, 1993, 22, 406-409.	1.4	26
36	Trace element analysis in biological samples by using XRF spectrometry with secondary radiation. Physics in Medicine and Biology, 1983, 28, 1209-1218.	3.0	25

#	Article	IF	Citations
37	L X-ray fluorescence cross sections in the atomic region 46â©½Zâ©½51 excited by 6.47, 7.57 and 8.12 keV photons. Nuclear Instruments & Methods in Physics Research B, 1994, 86, 219-224.	1.4	25
38	Thickness determination of gold layer on preâ€Columbian objects and a gilding frame, combining pXRF and PLS regression. X-Ray Spectrometry, 2016, 45, 344-351.	1.4	25
39	Thermoelectrically cooled semiconductor detectors for non-destructive analysis of works of art by means of energy dispersive X-ray fluorescence. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 428, 171-181.	1.6	24
40	The structure of twoâ€layered objects reconstructed using EDXRFâ€analysis and internal Xâ€ray ratios. X-Ray Spectrometry, 2015, 44, 233-238.	1.4	24
41	Coherent and incoherent scattering of 42.75 and 47.24 keV x-ray photons scattered from Al, Cu, Y, Mo, Au and Pb. X-Ray Spectrometry, 1995, 24, 172-176.	1.4	23
42	Multilayered artifacts in the pre-Columbian metallurgy from the North of Peru. Applied Physics A: Materials Science and Processing, 2013, 113, 889-903.	2.3	23
43	Total M X-ray fluorescence cross sections and fluorescence yields for Pt, Au and Pb in the energy region 5.47 â‰¤ E â‰¤ 9.36 keV. Nuclear Instruments & Methods in Physics Research B, 1996, 108, 227-232.	1.4	22
44	Energy dispersive x-ray fluorescence analysis of thin and intermediate environmental samples. X-Ray Spectrometry, 1998, 27, 257-264.	1.4	21
45	The use of a European coinage alloy to compare the detection limits of mobile XRF systems. A feasibility study. X-Ray Spectrometry, 2007, 36, 167-172.	1.4	21
46	Energy-dispersive X-ray fluorescence analysis of a pre-Columbian funerary gold mask from the Museum of SicÃ¡n, Peru. X-Ray Spectrometry, 2010, 39, 122-126.	1.4	21
47	NON-DESTRUCTIVE ANALYSIS OF ANCIENT METAL ALLOYS BY IN SITU EDXRF TRANSPORTABLE EQUIPMENT. Radiation Physics and Chemistry, 1998, 51, 689-700.	2.8	20
48	Increased plasma levels of endothelin-1 in patients with hyperthyroidism. Metabolism: Clinical and Experimental, 1995, 44, 1239-1242.	3.4	19
49	M X-ray fluorescence cross sections and yields in the atomic region excited by 6.47 and 7.57 keV photons. Radiation Physics and Chemistry, 1995, 46, 317-320.	2.8	18
50	A portable apparatus for energy-dispersive X-ray fluorescence analysis of sulfur and chlorine in frescoes and stone monuments. Nuclear Instruments & Methods in Physics Research B, 1999, 155, 326-330.	1.4	18
51	Algorithmic techniques for quantitative Compton tomography. Nuclear Instruments & Methods in Physics Research B, 2004, 213, 108-111.	1.4	18
52	Portable equipment for a nonâ€destructive analysis of preâ€Columbian metal artefacts from the Royal Tombs of SipÃ¡n by energyâ€dispersive Xâ€ray fluorescence spectrometry. X-Ray Spectrometry, 2011, 40, 37-46.	1.4	18
53	L X-ray fluorescence cross sections, fluorescence yields and intensity ratios for Au and Pb at excitation energies 21.56, 31.64 and 34.17 keV. Radiation Physics and Chemistry, 1995, 46, 17-22.	2.8	17
54	Xâ€ray fluorescenceâ€”analysis of 19th century stamps. X-Ray Spectrometry, 2008, 37, 260-264.	1.4	17

#	Article	IF	Citations
55	NON-DESTRUCTIVE ANALYSIS OF ANCIENT BRONZES. Studies in Conservation, 1973, 18, 64-80.	1.1	16
56	Principles and applications of differential tomography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 270, 572-577.	1.6	16
57	Ll, LÎ±, LÎ² and LÎ³ X-Ray Fluorescence Cross-sections for Ce, Pr and Sm Excited by Y and Mo KÎ± X-Ray Photons. X-Ray Spectrometry, 1996, 25, 74-77.	1.4	16
58	A portable instrument for energy-dispersive X-ray fluorescence analysis of sulfur. Nuclear Instruments & Methods in Physics Research B, 1997, 129, 281-283.	1.4	16
59	Elemental concentration analysis in soil contaminated with recyclable urban garbage by tube-excited energy-dispersive X-ray fluorescence. Radiation Physics and Chemistry, 2002, 65, 495-500.	2.8	16
60	A simple scanner for Compton tomography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 487, 188-192.	1.6	16
61	Giotto in the Chapel of the Scrovegni: EDXRF analysis of the golden haloes with portable equipment. X-Ray Spectrometry, 2004, 33, 289-293.	1.4	16
62	Synchrotron-based XRD from rat bone of different age groups. Materials Science and Engineering C, 2017, 74, 207-218.	7.3	16
63	Irisin as a regulator of bone and glucose metabolism. Minerva Endocrinology, 2018, 43, 489-500.	1.1	16
64	Sensitivity of radioisotope XRF technique with particular reference to portable units. Journal of Radioanalytical Chemistry, 1976, 34, 157-170.	0.5	15
65	Gold, gildings, and tumbaga from the Moche tomb of the Lady of Cao: An EDXRF test for the internal ratio method. X-Ray Spectrometry, 2019, 48, 202-207.	1.4	15
66	The 205TI level scheme as investigated by nuclear resonant scattering of 7646 keV Î³-rays. Nuclear Physics A, 1970, 141, 561-576.	1.5	14
67	Short term effects of levothyroxine treatment in thyroid multinodular disease. Endocrine Journal, 2010, 57, 803-809.	1.6	14
68	A Roman bronze statuette with gilded silver mask from Sardinia: an EDXRF study. Applied Physics A: Materials Science and Processing, 2013, 113, 905-910.	2.3	14
69	Thickness and composition of gold and silver alloys determined by combining EDXRF-analysis and transmission measurements. X-Ray Spectrometry, 2014, 43, 312-315.	1.4	14
70	EDXRF analysis of gold jewelry from the Archaeological Museum of Taranto, Italy. X-Ray Spectrometry, 2017, 46, 421-426.	1.4	14
71	Analysis of silver alloys by elastic and inelastic scattering of gamma rays. Nuclear Instruments & Methods, 1981, 179, 545-549.	1.2	13
72	Study on Brazilian 18th century imperial carriage using x-ray nondestructive techniques. Radiation Physics and Chemistry, 2019, 154, 74-78.	2.8	13

#	Article	IF	Citations
73	The use of a mercuric iodide detector for X-ray fluorescence analysis in archaeometry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 322, 583-590.	1.6	12
74	Volume of intersection of two cones. Radiation Physics and Chemistry, 2000, 59, 23-30.	2.8	12
75	XRF analysis improvement by a simple and fast pre-enrichment method. The International Journal of Applied Radiation and Isotopes, 1976, 27, 58-60.	0.7	11
76	L x-ray fluorescence cross-sections in the atomic region 62 îºZ îº 70 excited by 15.20, 17.80, 23.62 and 24.68 keV photons. X-Ray Spectrometry, 1995, 24, 244-248.	1.4	11
77	Coherent and incoherent scattering of low-energy X-ray photons in the atomic region 13â€‚â‰â€‚Zâ€‚â‰â€‚82. Canadian Journal of Physics, 1996, 74, 10-16.	1.1	11
78	Rayleigh and Compton scattering cross sections for low, medium and highZelements in the energy region 23.18 â©½Eâ©½ 30.85 keV. Physica Scripta, 1996, 54, 362-367.	2.5	11
79	Gold coated copper artifacts from the Royal Tombs of SipÃ¡n (Huaca Rajada, PerÃ¹): manufacturing techniques and corrosion phenomena. Applied Physics A: Materials Science and Processing, 2013, 113, 877-887.	2.3	11
80	Cardiovascular Autonomic Neuropathy as a New Complication of Postsurgical Chronic Hypoparathyroidism. Journal of Bone and Mineral Research, 2019, 34, 475-481.	2.8	11
81	Gamma-ray transitions and gamma-gamma angular correlations in152Sm. Il Nuovo Cimento B, 1969, 62, 20-35.	0.1	10
82	Estimation of monochromaticity, solid angle correction and some considerations on secondary target arrangement using x-ray tube. Physica Scripta, 1997, 55, 265-268.	2.5	10
83	Rapid non-destructive analysis of ancient bronzes. The International Journal of Applied Radiation and Isotopes, 1972, 23, 198-201.	0.7	9
84	Analysis of iron in blood using radioisotopic-excited x-ray fluorescence. Medical Physics, 1974, 1, 163-164.	3.0	9
85	Non-destructive analysis of silver alloys by means of low energy Î³-rays and neutron transmission measurements. The International Journal of Applied Radiation and Isotopes, 1979, 30, 589-594.	0.7	9
86	Average M-shell fluorescence yields () for Pt, Au and Pb. Radiation Physics and Chemistry, 1997, 49, 503-504.	2.8	9
87	A method for forward energy-dispersive X-ray fluorescence analysis of thin and intermediate samples. Nuclear Instruments & Methods in Physics Research B, 1998, 145, 434-448.	1.4	9
88	Use of synchrotron-based diffraction-enhanced imaging for visualization of soft tissues in invertebrates. Applied Radiation and Isotopes, 2010, 68, 1687-1693.	1.5	9
89	Analysis of Pre-Columbian objetcs from Cupisnique, one of the oldest culture from PerÃº, using a portable X-ray fluorescence equipment. Applied Physics A: Materials Science and Processing, 2013, 113, 1065-1067.	2.3	9
90	Elemental analysis by means of X-ray attenuation measurements. Nuclear Instruments & Methods, 1980, 169, 551-555.	1.2	8

#	Article	IF	Citations
91	Measurement of L x-ray fluorescence cross-sections in heavy elements excited by 17.78, 25.88, 26.88 and 32.89 keV photons. Applied Radiation and Isotopes, 1994, 45, 621-626.	1.5	8
92	From Giotto to De Chirico to Verrocchio: analyses of paintings and historical bronze alloys availing of portable EDXRF equipment. Journal of Neutron Research, 2006, 14, 17-27.	1.1	8
93	Investigation of the distribution of elements in snail shell with the use of synchrotron-based, micro-beam X-ray fluorescence spectrometry. Journal of Trace Elements in Medicine and Biology, 2009, 23, 251-257.	3.0	8
94	Thickness Measurement of V₂O₅Nanometric Thin Films Using a Portable XRF. Journal of Spectroscopy, 2016, 2016, 1-7.	1.3	8
95	Non-invasive in-situ analysis of a wreath of gold leaves from the National Archaeological Museum of Taranto, Italy. Measurement: Journal of the International Measurement Confederation, 2018, 126, 164-167.	5.0	8
96	Analytical studies on pre-Columbian gold and silver from the North of Peru. Rendiconti Lincei, 2020, 31, 473-484.	2.2	8
97	Determination of hemodynamic parameters in the rabbit by X-ray fluorescence excitation. The International Journal of Applied Radiation and Isotopes, 1975, 26, 285-286.	0.7	7
98	ANALYSIS OF SILVER OBJECTS BY SCATTERING AND BY Xâ€RAY FLUORESCENCE OF MONOENERGETIC GAMMAâ€RAYS. Archaeometry, 1982, 24, 170-180.	1.3	7
99	Computed tomography with image intensifier: potential use for nondestructive testing and imaging of small objects. NDT and E International, 2000, 33, 523-530.	3.7	7
100	Geometrical efficiency, solid angle contribution and gradient for a triaxial system equipped with a fluorescent source and x-ray tube: an analysis to enhance the Compton scattered photons. X-Ray Spectrometry, 2004, 33, 87-100.	1.4	7
101	Cork Embedded Internal Features and Contrast Mechanisms with Dei Using 18, 20, 30, 36, and 40ÂkeV Synchrotron X-Rays. Research in Nondestructive Evaluation, 2010, 21, 171-183.	1.1	7
102	Chapter 2 Photon Induced X-Ray Emission. Techniques and Instrumentation in Analytical Chemistry, 1988, 8, 19-121.	0.0	6
103	A Rare and Severe Complication Following Thyroid Fine Needle Aspiration: Retropharyngeal Cellulitis. International Journal of Endocrinology and Metabolism, 2016, 14, e39174.	1.0	6
104	Trace elements analysis in biological samples by radioisotopic X-ray fluorescence. European Journal of Nuclear Medicine and Molecular Imaging, 1976, 1, 49-56.	2.1	5
105	Use of differential tomography in the study of natural processes. IEEE Transactions on Medical Imaging, 1989, 8, 163-167.	8.9	5
106	Microtomography using a tube source of X-rays, a low-energy-resolution HPGe detector system and an array of detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 356, 573-578.	1.6	5
107	LX-ray fluorescence cross sections in the atomic region 64 â©½Zâ©½ 82 excited by kev photons. Physica Scripta, 1995, 51, 252-256.	2.5	5
108	Atomic Rayleigh scattering cross-sections and the associated anomalous dispersion in the X-ray regions. European Physical Journal D, 1999, 7, 45-53.	1.3	5

#	Article	IF	Citations
109	Doppler Broadening Calculations of Compton Scattering for Molecules, Plastics, Tissues, and Few Biological Materials in the X-Ray Region: An Analysis in Terms of Compton Broadening and Geometrical Energy Broadening. Journal of Physical and Chemical Reference Data, 2004, 33, 627-712.	4.2	5
110	Portable energy-dispersive X-ray fluorescence equipment for the analysis of cultural heritage. Pramana - Journal of Physics, 2011, 76, 313-319.	1.8	5
111	X-Ray Digital Radiography to Study Goldâ€“Silver Nose Decorations from the Moche Tomb of the Lady of Cao. Journal of Nondestructive Evaluation, 2018, 37, 1.	2.4	5
112	Transmission of X and Î³-rays to differentiate tumbaga from gold and gilded copper. Microchemical Journal, 2020, 155, 104720.	4.5	5
113	Differential attenuation of X-rays: Analytical applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1985, 239, 367-370.	1.6	4
114	The analysis of bronze alloys from the equestrian statue of Marco Aurelio by means of a thin sample XRF technique. Nuclear Instruments & Methods in Physics Research B, 1989, 36, 194-199.	1.4	4
115	New tomographic methods using X-ray tubes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1990, 299, 440-443.	1.6	4
116	Elastic and compton scattering of x-ray photons from platinum in the momentum transfer region 1.3175 hbar Ã…â¯1â©½qâ©½ 2.0448 hbar Ã…â¯1. Physica Scripta, 1997, 55, 305-309.	2.5	4
117	Energy dispersive X-ray fluorescence analysis of marine pollution indicators. Journal of Radioanalytical and Nuclear Chemistry, 1999, 240, 459-465.	1.5	4
118	Synchrotron-induced X-ray fluorescence from rat bone and lumber vertebra of different age groups. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 502-505.	1.4	4
119	Synchrotron-based crystal structure, associated morphology of snail and bivalve shells by X-ray diffraction. Radiation Physics and Chemistry, 2016, 127, 155-164.	2.8	4
120	Structural analysis of jewelry from the Moche tomb of the `lady of Cao' by X-ray digital radiography. Journal of Instrumentation, 2018, 13, C04029-C04029.	1.2	4
121	First results on the use of a EDXRF scanner for 3D imaging of paintings. Acta IMEKO (2012), 2018, 7, 8.	0.7	4
122	In vitro labelling of platelets with stable selenocystine. The International Journal of Applied Radiation and Isotopes, 1976, 27, 324-326.	0.7	3
123	Biomedical applications of energy dispersive X-ray fluorescence. TrAC - Trends in Analytical Chemistry, 1985, 4, 65-69.	11.4	3
124	Analysis of Urinary Calculi Using Photon Induced X-ray Fluorescence (XRF). British Journal of Urology, 1986, 58, 253-255.	0.1	3
125	L X-ray fluorescence cross sections in the atomic region 59â€‰â‰‰â€‰Zâ€‰â‰‰â€‰82 excited by 16.58â€‰keV photons. Canadian Journal of Physics, 1996, 74, 230-235.	1.1	3
126	Production of monoenergetic unpolarised KÎ± x-ray photons using x-ray tubes: An analysis of the derived intensity ratios and homogeneity of the filters. Physica Scripta, 1996, 54, 325-327.	2.5	3

#	Article	IF	Citations
127	Elastic scattering and the associated anomalous dispersion in the atomic region 13 â©½Zâ©½ 82 at 30.85 keV. Physica Scripta, 1997, 55, 683-689.	2.5	3
128	A new method to estimate elastic scattering cross sections in the X-ray region and the associated anomalous dispersion. Applied Radiation and Isotopes, 1998, 49, 835-844.	1.5	3
129	Measurements of elastic and inelastic scattering cross-sections using monoenergetic KÎ± radiation. , 2000, 4142, 124.		3
130	A correction procedure for the self-absorption artifacts in x-ray Compton tomography. X-Ray Spectrometry, 2002, 31, 377-382.	1.4	3
131	Synchrotron-based scattered radiation from phantom materials used in X-ray CT. Journal of X-Ray Science and Technology, 2010, 18, 327-337.	1.0	3
132	Synchrotron-based X-ray fluorescence, imaging and elemental mapping from biological samples. Pramana - Journal of Physics, 2011, 76, 261-269.	1.8	3
133	Synchrotron-based small-angle x-ray scattering from biogenic materials. Physica Scripta, 2011, 84, 065802.	2.5	3
134	Synchrotron-based x-ray fluorescence applied to invertebrates to investigate the role of essential trace elements in a biological process. Physica Scripta, 2012, 85, 035805.	2.5	3
135	Synchrotron-based non-destructive diffraction-enhanced imaging systems to image walnut at 20ÂkeV. Journal of Food Measurement and Characterization, 2013, 7, 13-21.	3.2	3
136	Analysis of precious metals from the tomb of the â€œLady of Caoâ€• by Xâ€•ray microtomography and digital radiography. X-Ray Spectrometry, 2019, 48, 499-504.	1.4	3
137	Combining X-ray Fluorescence and Monte Carlo Simulation Methods to Differentiate between Tumbaga and Gold-Alloy or Gildings. Materials, 2022, 15, 4452.	2.9	3
138	In vitro labeling of platelets with stable rubidium compounds. European Journal of Nuclear Medicine and Molecular Imaging, 1978, 3, 91-93.	2.1	2
139	Determination of red cell survival in rabbits by fluorescent excitation analysis of stable rubidium. Medical Physics, 1980, 7, 97-100.	3.0	2
140	Using a computed tomography scanner for nonmedical applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 275, 420-429.	1.6	2
141	<title>Thermoelectrically cooled semiconductor detectors for portable energy-dispersive x-ray fluorescence equipment</title>. , 1997, , .		2
142	Elastic scattering and the associated anomalous dispersion in the vicinity of Cd, In, Sn and Sb, K-absorption edges. Applied Radiation and Isotopes, 1997, 48, 789-806.	1.5	2
143	Influence of Solid State Environment Effects on Measured Elastic Scattering Cross Sections in the X-ray Regime and the Associated Anomalous Dispersion. Physica Scripta, 2000, 62, 81-87.	2.5	2
144	Computed tomographic images using tube source of x rays: interior properties of the material. , 2002, , .		2

#	Article	IF	Citations
145	Computed tomographic images of soft materials using differential attenuation: interior properties of the materials at optimum energy in terms of attenuation coefficient. NDT and E International, 2002, 35, 573-580.	3.7	2
146	Compton energy-absorption scattering cross-sections for H, C, N, O, P, Ca and assessment of Doppler broadening. European Physical Journal D, 2003, 23, 43-49.	1.3	2
147	Synchrotron-based DEI for bio-imaging and DEI-CT to image phantoms with contrast agents. Applied Radiation and Isotopes, 2012, 70, 1570-1578.	1.5	2
148	A new approach to estimate the geometrical factors, solid angle approximation, geometrical efficiency and their use in basic interaction cross section measurements. EPJ Applied Physics, 2002, 20, 69-74.	0.7	2
149	Comparison between the minimum detection limits of radioisotope X-ray fluorescence technique and activation analysiÅ› with a low intensity252Cf neutron source. Journal of Radioanalytical Chemistry, 1976, 34, 151-156.	0.5	1
150	Biomedical applications of photon-induced X-ray fluorescence. Biological Trace Element Research, 1987, 13, 371-382.	3.5	1
151	Imaging of small objects and soft materials at optimum energy using a tomographic device based on image intensifier. , 2000, 4142, 297.		1
152	Measuring Techniques for Compton, Rayleigh and Fluorescence Cross-Sections Excited by keV Photons : Potential Use for Various Applications. Journal of Nuclear Science and Technology, 2002, 39, 1365-1368.	1.3	1
153	A compact X-ray tomograph based on a CMOS flat panel. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 782-784.	1.6	1
154	Micro-CT Imaging of Rat Bone and Lumber Vertebra using Synchrotron Radiation. , 2009, , .		1
155	Embedded soft-tissue image mechanism of a small animal shell with synchrotron-based micro-CT. Journal of X-Ray Science and Technology, 2012, 20, 291-299.	1.0	1
156	Thin thickness gilding determined by xâ€rays ratios from EDXRFâ€spectra. X-Ray Spectrometry, 2022, 51, 170-177.	1.4	1
157	X-ray energy spectrometry: Application in the study of the ion-exchange kinetics. The International Journal of Applied Radiation and Isotopes, 1977, 28, 301-305.	0.7	0
158	Chapter 4 Analysis of Biological Samples by X-Ray Attenuation Measurements. Techniques and Instrumentation in Analytical Chemistry, 1988, 8, 181-194.	0.0	0
159	<title>Importance of Doppler broadening in Compton scatter imaging techniques</title>. , 2001, , .		0
160	A CT-scanner for transmission, scattering, and fluorescent radiation imaging. , 2002, 4503, 310.		0
161	Analytical simulator for Compton tomographic measurements. , 2002, , .		0
162	Correction procedure for the self-absorption artifacts in x-ray Compton tomography. , 2002, 4503, 132.		0

#	Article	IF	Citations
163	Computer tomographic reconstruction from partial-view projections. , 2002, , .		0
164	Xâ€Ray Transmission and Compton CT Investigation of Some Gastropods from Sassari, Sardinia, in Italy. Instrumentation Science and Technology, 2004, 32, 127-137.	1.8	0
165	Î¼-tomographic images of a few soft materials and embedded biological soft tissue at x-ray energies: a new approach based on geometrical considerations. , 2004, , .		0
166	A Rare Case of Hypoparathyroidism Associated to Rendu-Osler-Webber Syndrome. Acta Endocrinologica, 2011, 7, 267-272.	0.3	0
167	Synchrotron-based phase-contrast images of zebrafish and its anatomical structures. EPJ Applied Physics, 2014, 67, 20701.	0.7	0
168	Analysis of twelve wooden spear throwers covered with gilded copper from the Moche tomb of the Lady of Cao. Journal of Physics: Conference Series, 2022, 2204, 012102.	0.4	0