

Christina Streli

List of Publications by Year in descending order

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233
papers

4,761
citations

136740

32
h-index

174990

52
g-index

240
all docs

240
docs citations

240
times ranked

3947
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerosol particle chemical characteristics measured from aircraft in the lower troposphere during ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 185. Catalogue of dose rate constants for more than 400 radionuclides in terms of ambient dose H H	0.8	13
2	and comparison of figures to ambient dose equivalent H. <i>Applied Radiation and Isotopes</i> , 2021, 162, 109964.	0.7	2
3	Multimodality imaging beyond CLEM: Showcases of combined in-vivo preclinical imaging and ex-vivo microscopy to detect murine mural vascular lesions. <i>Methods in Cell Biology</i> , 2021, 162, 389-415.	0.5	5
4	Cross-modality imaging of bisphosphonate-treated murine jawbones. <i>Analyst, The</i> , 2021, 146, 4683-4699.	1.7	4
5	Relation of Metal-Binding Property and Selective Toxicity of 8-Hydroxyquinoline Derived Mannich Bases Targeting Multidrug Resistant Cancer Cells. <i>Cancers</i> , 2021, 13, 154.	1.7	8
6	X-ray Fluorescence Techniques for Element Abundance Analysis in Wine. <i>ACS Omega</i> , 2021, 6, 22643-22654.	1.6	6
7	A novel approach towards the calculation of dose rate constants for ambient dose equivalent $H\hat{a}^{(10)}$ by including low energy x-rays. <i>Applied Radiation and Isotopes</i> , 2021, 178, 109964.	0.7	1
8	Thickness determination of the tidemark of human articular cartilage using high-resolution micro-XRF imaging of zinc and lead. <i>Osteoarthritis and Cartilage Open</i> , 2021, 3, 100182.	0.9	0
9	Correlation of ^{54}Fe -XRF and LA-ICP-MS in the analysis of a human bone-cartilage sample. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1512-1523.	1.6	10
10	Chromium and Zinc Speciation in Airborne Particulate Matter Collected in Ulaanbaatar, Mongolia, by X-Ray Absorption Near-edge Structure Spectroscopy. <i>Aerosol and Air Quality Research</i> , 2021, 21, 210018.	0.9	5
11	On the way to full-field X-ray fluorescence spectroscopy imaging with coded apertures. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 347-356.	1.6	8
12	Optimization of Lignite Particle Size for Stabilization of Trivalent Chromium in Soils. <i>Soil and Sediment Contamination</i> , 2020, 29, 272-291.	1.1	10
13	Refitting an X-ray diffraction system for combined GIXRF and XRR measurements. <i>Powder Diffraction</i> , 2020, 35, S29-S33.	0.4	1
14	Total reflection X-ray fluorescence analysis of elemental composition of herbal infusions and teas. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 4226-4236.	1.7	13
15	Comparison of three reconstruction methods based on deconvolution, iterative algorithm and neural network for X-ray fluorescence imaging with coded aperture optics. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1423-1434.	1.6	17
16	Elemental composition and source apportionment of atmospheric aerosols collected from urban and residential areas of Jordan using multi-secondary targets energy dispersive X-ray fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 170, 105900.	1.5	8
17	Unshielding Multidrug Resistant Cancer through Selective Iron Depletion of P-Glycoprotein-Expressing Cells. <i>Cancer Research</i> , 2020, 80, 663-674.	0.4	21
18	Determining elemental strontium distribution in rat bones treated with strontium ranelate and strontium citrate using 2D micro-XRF and 3D dual energy K-edge subtraction synchrotron imaging. <i>X-Ray Spectrometry</i> , 2020, 49, 424-433.	0.9	2

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19	Detection and imaging of gadolinium accumulation in human bone tissue by micro- and submicro-XRF. <i>Scientific Reports</i> , 2020, 10, 6301.	1.6	28
20	A monochromatic confocal micro-x-ray fluorescence (μ XRF) spectrometer for the lab. <i>Review of Scientific Instruments</i> , 2020, 91, 123107.	0.6	10
21	Development and In Vivo Application of a Water-Soluble Anticancer Copper Ionophore System Using a Temperature-Sensitive Liposome Formulation. <i>Pharmaceutics</i> , 2020, 12, 466.	2.0	10
22	A new experimental setup for time- and laterally-resolved X-ray absorption fine structure spectroscopy in a "single shot"™. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 239-246.	1.6	13
23	Granular activated charcoal from peanut (<i>Arachis hypogea</i>) shell as a new candidate for stabilization of arsenic in soil. <i>Microchemical Journal</i> , 2019, 149, 104030.	2.3	9
24	Elemental imaging of trace elements in bone samples using micro and nano-X-ray fluorescence spectrometry. <i>Applied Radiation and Isotopes</i> , 2019, 149, 200-205.	0.7	18
25	Three-Year Long Source Apportionment Study of Airborne Particles in Ulaanbaatar Using X-Ray Fluorescence and Positive Matrix Factorization. <i>Aerosol and Air Quality Research</i> , 2019, 19, 1056-1067.	0.9	15
26	Metal transport capabilities of anticancer copper chelators. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 47, 79-88.	1.5	25
27	A first evaluation of the analytical capabilities of the new X-ray fluorescence facility at International Atomic Energy Agency-Elettra Sincrotrone Trieste for multipurpose total reflection X-ray fluorescence analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 145, 8-19.	1.5	5
28	Comparative elemental analysis of fine particulate matter (PM 2.5) from industrial and residential areas in Greater Cairo-Egypt by means of a multi-secondary target energy dispersive X-ray fluorescence spectrometer. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 145, 29-35.	1.5	21
29	EDXRF analysis of suspended particulate matter (SPM) from residential and industrial areas in Cairo, Egypt. <i>X-Ray Spectrometry</i> , 2018, 47, 223-230.	0.9	15
30	Live event reconstruction in an optically read out GEM-based TPC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 886, 24-29.	0.7	8
31	Method Development and Quantitative Elemental Analysis of <i>Mentha Longifolia</i> L. Leaves from Saudi Arabia by Total Reflection X-Ray Fluorescence. <i>Analytical Letters</i> , 2018, 51, 1433-1444.	1.0	5
32	Multimodal imaging of undecalcified tissue sections by MALDI MS and μ XRF. <i>Analyst, The</i> , 2018, 143, 2587-2595.	1.7	29
33	Comparative in vitro investigation of anticancer copper chelating agents. <i>Microchemical Journal</i> , 2018, 136, 227-235.	2.3	18
34	Radiation imaging with optically read out GEM-based detectors. <i>Journal of Instrumentation</i> , 2018, 13, T02006-T02006.	0.5	11
35	Dual energy-band excitation from a low power Rh anode X-ray tube for the simultaneous determination of low Z and high Z elements (Na-U) using total-reflection X-ray fluorescence analysis (TXRF). <i>Review of Scientific Instruments</i> , 2018, 89, 093108.	0.6	6
36	Multi-GEM Detectors in High Particle Fluxes. <i>EPJ Web of Conferences</i> , 2018, 174, 05001.	0.1	5

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37	Temporary implementation and testing of a confocal SR- $\frac{1}{4}$ XRF system for bone analysis at the X-ray Fluorescence beamline at Elettra. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 667, 114-119.	0.7	1
38	Evaluation of a sample preparation procedure for total-reflection X-ray fluorescence analysis of directly collected airborne particulate matter samples. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 147, 13-20.	1.5	10
39	Analysis of organic multilayer structures using a combined grazing incidence X-ray fluorescence/X-ray reflectometry approach. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 148, 188-192.	1.5	8
40	Re-installation of the total reflection X-ray fluorescence spectrometer ATOMIKA 8300W for Si wafer surface inspection at Atominstitut. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 149, 163-166.	1.5	2
41	Characterization of a submicro-X-ray fluorescence setup on the B16 beamline at Diamond Light Source. Journal of Synchrotron Radiation, 2018, 25, 1189-1195.	1.0	5
42	Synchrotron radiation micro X-ray fluorescence spectroscopy of thin structures in bone samples: comparison of confocal and color X-ray camera setups. Journal of Synchrotron Radiation, 2017, 24, 307-311.	1.0	12
43	Increased zinc accumulation in mineralized osteosarcoma tissue measured by confocal synchrotron radiation micro X-ray fluorescence analysis. X-Ray Spectrometry, 2017, 46, 56-62.	0.9	14
44	2017 atomic spectrometry update – a review of advances in X-ray fluorescence spectrometry and its special applications. Journal of Analytical Atomic Spectrometry, 2017, 32, 1629-1649.	1.6	24
45	Quantitative total reflection X-ray fluorescence analysis of directly collected aerosol samples. X-Ray Spectrometry, 2017, 46, 454-460.	0.9	20
46	A simple method for monitoring of removal of arsenic species from drinking water applying on-site separation with solid phase extraction and detection by atomic absorption and X-ray fluorescence based techniques. Microchemical Journal, 2017, 135, 105-113.	2.3	21
47	Elemental depth profiling in transparent conducting oxide thin film by X-ray reflectivity and grazing incidence X-ray fluorescence combined analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 135, 22-28.	1.5	16
48	X-Ray Fluorescence Spectroscopy, Applications. , 2017, , 707-715.		6
49	μ XRF Elemental Mapping of Bioresorbable Magnesium-Based Implants in Bone. Materials, 2016, 9, 811.	1.3	12
50	A setup for synchrotron-radiation-induced total reflection X-ray fluorescence and X-ray absorption near-edge structure recently commissioned at BESSY II BAMline. Journal of Synchrotron Radiation, 2016, 23, 820-824.	1.0	4
51	First measurements with new high-resolution gadolinium-GEM neutron detectors. Journal of Instrumentation, 2016, 11, P05011-P05011.	0.5	28
52	Charge transfer properties through graphene for applications in gaseous detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 571-574.	0.7	9
53	JGIXA – A software package for the calculation and fitting of grazing incidence X-ray fluorescence and X-ray reflectivity data for the characterization of nanometer-layers and ultra-shallow-implants. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 118, 20-28.	1.5	25
54	(Invited) ALD to Prevent Metal Transfer from Implants. ECS Transactions, 2016, 75, 167-175.	0.3	1

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55	2016 Atomic Spectrometry Update – a review of advances in X-ray fluorescence spectrometry and its applications. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1706-1755.	1.6	41
56	Fast and direct screening of copper in micro-volumes of distilled alcoholic beverages by high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Food Chemistry</i> , 2016, 213, 799-805.	4.2	12
57	Iron overload of human colon adenocarcinoma cells studied by synchrotron-based X-ray techniques. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 241-249.	1.1	7
58	Uptake and toxicity of nano-ZnO in the plant-feeding nematode, <i>Xiphinema vuittenezi</i> : the role of dissolved zinc and nanoparticle-specific effects. <i>Environmental Science and Pollution Research</i> , 2016, 23, 9669-9678.	2.7	24
59	Comparison of different excitation modes for the analysis of light elements with a TXRF vacuum chamber. <i>Powder Diffraction</i> , 2015, 30, 93-98.	0.4	4
60	Secondary excitation process for quantitative confocal 3D-XRF analysis. <i>Powder Diffraction</i> , 2015, 30, 109-112.	0.4	6
61	Effects of high charge densities in multi-GEM detectors. , 2015, , .		9
62	Study of annealing-induced interdiffusion in In ₂ O ₃ /Ag/In ₂ O ₃ structures by a combined X-ray reflectivity and grazing incidence X-ray fluorescence analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 113, 132-137.	1.5	12
63	Atomic layer deposition to prevent metal transfer from implants: An X-ray fluorescence study. <i>Applied Surface Science</i> , 2015, 359, 215-220.	3.1	13
64	Study of dinuclear Rh(II) complexes of phenylalanine derivatives as potential anticancer agents by using X-ray fluorescence and X-ray absorption. <i>Microchemical Journal</i> , 2015, 120, 51-57.	2.3	10
65	2015 Atomic Spectrometry Update – a review of advances in X-ray fluorescence spectrometry and their applications. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1839-1889.	1.6	41
66	Shading in TXRF: calculations and experimental validation using a color X-ray camera. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2184-2193.	1.6	18
67	Speciation of inorganic arsenic in particulate matter by combining HPLC/ICP-MS and XANES analyses. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2074-2088.	1.6	10
68	A novel vacuum spectrometer for total reflection x-ray fluorescence analysis with two exchangeable low power x-ray sources for the analysis of low, medium, and high Z elements in sequence. <i>Review of Scientific Instruments</i> , 2015, 86, 083105.	0.6	23
69	The fate of nano-ZnO and its bulk counterpart in the body of microscopic nematodes: An X-ray spectrometric study. <i>Microchemical Journal</i> , 2015, 118, 80-87.	2.3	10
70	Simulation of layer measurement with confocal micro-XRF. <i>X-Ray Spectrometry</i> , 2014, 43, 175-179.	0.9	6
71	Combination of grazing incidence x-ray fluorescence with x-ray reflectivity in one table-top spectrometer for improved characterization of thin layer and implants on/in silicon wafers. <i>Review of Scientific Instruments</i> , 2014, 85, 083110.	0.6	25
72	Comparison of two confocal micro-XRF spectrometers with different design aspects. <i>X-Ray Spectrometry</i> , 2014, 43, 93-101.	0.9	18

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73	Complex forming competition and in-vitro toxicity studies on the applicability of di-2-pyridylketone-4,4-dimethyl-3-thiosemicarbazone (Dp44mT) as a metal chelator. <i>Journal of Inorganic Biochemistry</i> , 2014, 130, 52-58.	1.5	32
74	Total reflection X-ray fluorescence measurements of S and P in proteins using a vacuum chamber specially designed for low Z elements. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 101, 118-122.	1.5	6
75	Feasibility study of total reflection X-ray fluorescence analysis using a liquid metal jet X-ray tube. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 99, 67-69.	1.5	5
76	A comparative study on total reflection X-ray fluorescence determination of low atomic number elements in air, helium and vacuum atmospheres using different excitation sources. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 99, 129-132.	1.5	6
77	Combined evaluation of grazing incidence X-ray fluorescence and X-ray reflectivity data for improved profiling of ultra-shallow depth distributions. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 99, 121-128.	1.5	32
78	Observation of X-ray shadings in synchrotron radiation-total reflection X-ray fluorescence using a color X-ray camera. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 99, 179-184.	1.5	16
79	First Total Reflection X-Ray Fluorescence round-robin test of water samples: Preliminary results. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 101, 6-14.	1.5	31
80	2014 Atomic Spectrometry Update – a review of advances in X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1516.	1.6	42
81	Determinations of low atomic number elements in real uranium oxide samples using vacuum chamber total reflection x-ray fluorescence. <i>X-Ray Spectrometry</i> , 2014, 43, 108-111.	0.9	18
82	Investigation of distribution and oxidation state of copper in soil-inhabiting nematodes by means of synchrotron radiation. <i>X-Ray Spectrometry</i> , 2013, 42, 321-329.	0.9	8
83	2013 Atomic spectrometry update – A review of advances in X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1544.	1.6	47
84	Spatial distribution of the trace elements zinc, strontium and lead in human bone tissue. <i>Bone</i> , 2013, 57, 184-193.	1.4	141
85	Study of selenium sorption processes in volcanic ash using Total Reflection X-ray Fluorescence (TXRF). <i>Chemical Geology</i> , 2013, 352, 19-26.	1.4	18
86	Differential accumulation of lead and zinc in double-tidemarks of articular cartilage. <i>Osteoarthritis and Cartilage</i> , 2013, 21, 1707-1715.	0.6	31
87	Nanoliter deposition unit for pipetting droplets of small volumes for Total Reflection X-ray Fluorescence applications. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 82, 71-75.	1.5	13
88	Determination of phosphorus and other elements in atmospheric aerosols using synchrotron total reflection X-ray fluorescence. <i>X-Ray Spectrometry</i> , 2013, 42, 368-373.	0.9	13
89	A newly developed, portable, vacuum-chamber equipped XRF-instrument, designed for the sophisticated needs of the Kunsthistorisches Museum, Vienna. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 37, 012008.	0.3	3
90	Atomic spectrometry update – X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1603.	1.6	36

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91	Peer review versus editorial review and their role in innovative science. <i>Theoretical Medicine and Bioethics</i> , 2012, 33, 359-376.	0.4	18
92	Performance and comparison of gold-based neutron flux monitors. <i>Gold Bulletin</i> , 2012, 45, 17-22.	1.1	7
93	Micro-X-ray absorption spectroscopy with compound refractive lenses. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1803.	1.6	5
94	Impurities in multicrystalline silicon wafers for solar cells detected by synchrotron micro-beam X-ray fluorescence analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1875.	1.6	8
95	Influence of the excitation energy on absorption effects in Total Reflection X-ray Fluorescence analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 340-345.	1.6	8
96	Confocal micro-x-ray fluorescence spectrometer for light element analysis. <i>Review of Scientific Instruments</i> , 2012, 83, 083703.	0.6	35
97	Production of the ideal sample shape for Total Reflection X-ray Fluorescence analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 77, 31-34.	1.5	13
98	Atomic spectrometry update-X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1919.	1.6	42
99	Microanalytical method development for Fe, Cu and Zn determination in colorectal cancer cells. <i>Talanta</i> , 2011, 85, 1959-1965.	2.9	21
100	Considerations on the ideal sample shape for Total Reflection X-ray Fluorescence Analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 815-821.	1.5	14
101	Investigation of element distribution and homogeneity of TXRF samples using SR-micro-XRF to validate the use of an internal standard and improve external standard quantification. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2649-2654.	1.9	17
102	Iron speciation in human cancer cells by K-edge total reflection X-ray fluorescence and X-ray absorption near edge structure analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 274-279.	1.5	8
103	Assessment of chemical species of lead accumulated in tidemarks of human articular cartilage by X-ray absorption near-edge structure analysis. <i>Journal of Synchrotron Radiation</i> , 2011, 18, 238-244.	1.0	21
104	Increased strontium uptake in trabecular bone of ovariectomized calcium-deficient rats treated with strontium ranelate or strontium chloride. <i>Journal of Synchrotron Radiation</i> , 2011, 18, 835-841.	1.0	24
105	Bone material quality in transiliac bone biopsies of postmenopausal osteoporotic women after 3 years of strontium ranelate treatment. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 891-900.	3.1	62
106	Applicability of direct total reflection X-ray fluorescence analysis for selenium determination in solutions related to environmental and geochemical studies. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 1002-1007.	1.5	18
107	Speciation of copper and zinc in size-fractionated atmospheric particulate matter using total reflection mode X-ray absorption near-edge structure spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 1008-1013.	1.5	42
108	A new spectrometer for grazing incidence X-ray fluorescence for the characterization of Arsenic implants and Hf based high-k layers. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 429-433.	1.5	14

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109	Synchrotron radiation-induced total reflection X-ray fluorescence analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 479-496.	5.8	40
110	PART II (Portable ART analyzer)-development of a XRF spectrometer adapted for the study of artworks in the Kunsthistorisches Museum, Vienna. <i>X-Ray Spectrometry</i> , 2010, 39, 98-102.	0.9	21
111	Deactivation of submelt laser annealed arsenic ultrashallow junctions in silicon during subsequent thermal treatment. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C1B1-C1B5.	0.6	6
112	Grazing incidence x-ray fluorescence and secondary ion mass spectrometry combined approach for the characterization of ultrashallow arsenic distribution in silicon. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, C1C59-C1C64.	0.6	16
113	Analytical approaches for Hg determination in wastewater samples by means of total reflection X-ray fluorescence spectrometry. <i>Talanta</i> , 2010, 82, 821-827.	2.9	57
114	Atomic spectrometry update—X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1503.	1.6	58
115	Analytical Possibilities of Total Reflection X-ray Spectrometry (TXRF) for Trace Selenium Determination in Soils. <i>Analytical Chemistry</i> , 2010, 82, 7744-7751.	3.2	75
116	Improved micro x-ray fluorescence spectrometer for light element analysis. <i>Review of Scientific Instruments</i> , 2010, 81, 053707.	0.6	25
117	IN SITU CHEMICAL COMPOSITION ANALYSIS OF CULTURAL HERITAGE OBJECTS USING PORTABLE X-RAY FLUORESCENCE SPECTROMETRY. , 2010, , .		0
118	Grazing exit versus grazing incidence geometry for x-ray absorption near edge structure analysis of arsenic traces. <i>Journal of Applied Physics</i> , 2009, 105, 074906.	1.1	22
119	Si Wafer Analysis of Light Elements by TXRF. <i>ECS Transactions</i> , 2009, 25, 301-309.	0.3	5
120	Multi-technique characterization of arsenic ultra shallow junctions in silicon within the ANNA consortium. , 2009, , .		2
121	Comparability of TXRF Systems at Different Laboratories. <i>ECS Transactions</i> , 2009, 25, 325-335.	0.3	5
122	Determination of carbon in natural freshwater biofilms with total reflection X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 802-804.	1.5	6
123	Atomic spectrometry update. X-Ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1289.	1.6	34
124	Characterization of junction activation and deactivation using non-equilibrium annealing: Solid phase epitaxy, spike annealing, laser annealing instructions for. , 2009, , .		0
125	Influence of the sample morphology on total reflection X-ray fluorescence analysis. <i>Powder Diffraction</i> , 2009, 24, 140-144.	0.4	7
126	Synchrotron XRF analyses of element distribution in fossilized sauropod dinosaur bones. <i>Powder Diffraction</i> , 2009, 24, 130-134.	0.4	21

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127	Feasibility study of SRµTXRFµXANES analysis for iron contaminations on a silicon wafer surface. <i>Surface and Interface Analysis</i> , 2008, 40, 1571-1576.	0.8	8
128	Applications of a new portable (micro) XRF instrument having lowµZ elements determination capability in the field of works of art. <i>X-Ray Spectrometry</i> , 2008, 37, 450-457.	0.9	27
129	Determination of the elemental distribution in human joint bones by SR micro XRF. <i>X-Ray Spectrometry</i> , 2008, 37, 3-11.	0.9	65
130	Parameter study of self-absorption effects in Total Reflection X-ray FluorescenceµX-ray Absorption Near Edge Structure analysis of arsenic. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 1496-1502.	1.5	15
131	Characterization of atmospheric aerosols using Synchrotron radiation total reflection X-ray fluorescence and Fe K-edge total reflection X-ray fluorescence-X-ray absorption near-edge structure. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 1489-1495.	1.5	35
132	Total Reflection X-ray Fluorescence attachment module modified for analysis in vacuum. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 1404-1407.	1.5	7
133	Synchrotron radiation induced TXRF. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 792.	1.6	46
134	Atomic spectrometry update. X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1409.	1.6	23
135	Atomic spectrometry update. X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1304.	1.6	32
136	Application of synchrotronµradiationµinduced TXRFµXANES for arsenic speciation in cucumber (<i>Cucumis sativus L.</i>) xylem sap. <i>X-Ray Spectrometry</i> , 2007, 36, 408-412.	0.9	36
137	Coherent superposition of laser-driven soft-X-ray harmonics from successive sources. <i>Nature Physics</i> , 2007, 3, 878-883.	6.5	192
138	A portable micro-X-ray fluorescence spectrometer with polycapillary optics and vacuum chamber for archaeometric and other applications. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 1252-1256.	1.5	37
139	Atomic spectrometry updateµX-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1076-1107.	1.6	32
140	Methodological Developments and Applications. , 2006, , 433-833.		8
141	Parameter studies for an optimized XRF-determination of Pb in bone. <i>Powder Diffraction</i> , 2006, 21, 148-151.	0.4	3
142	Analysis of low Z elements in various environmental samples with total reflection X-ray fluorescence (TXRF) spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 1135-1140.	1.5	35
143	Adaptation of a commercial total reflection X-ray fluorescence system for wafer surface analysis equipped with a new generation of silicon drift detector. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 1110-1114.	1.5	9
144	Total-reflection X-ray fluorescence analysis of Austrian wine. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 1214-1218.	1.5	26

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