

List of Publications by Year in
Descending Order

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

93 papers	749 citations	14 h-index	20 g-index
96 ext. papers	775 ext. citations	1.3 avg, IF	3.82 L-index

#	Paper	IF	Citations
93	Arsenic Analysis 2022 , 609-621		1
92	A Probable Improvement of Wavelength Dispersive X-Ray Fluorescence Spectrometer for Steel Making. <i>ISIJ International</i> , 2022 , 62, 867-870	1.7	1
91	Relation between Sample Area and Accuracy of STM: What Causes the Difficulty in Quantitative Elemental Analysis?. <i>E-Journal of Surface Science and Nanotechnology</i> , 2020 , 18, 28-31	0.7	2
90	Fundamental Parameter Method for Energy Dispersive X-Ray Fluorescence and its Application to Stainless Steels as First Principles Calculation. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2019 , 105, 981-987	0.5	1
89	Variation of trace elements in snow during starting and ending of snowfall in Kyoto city measured by low power total reflection X-ray fluorescence spectrometry. <i>X-Ray Spectrometry</i> , 2018 , 47, 273-276	0.9	4
88	Artificial peaks in energy dispersive X-ray spectra: sum peaks, escape peaks, and diffraction peaks. <i>X-Ray Spectrometry</i> , 2017 , 46, 5-11	0.9	12
87	Comments on Application of Laplace Transform to Electrochemistry by Toshiyuki Osakai. <i>Review of Polarography</i> , 2017 , 63, 41-43	0.2	
86	3D-printed compact XRF spectrometer. <i>International Journal of PIXE</i> , 2017 , 27, 87-92	0.1	3
85	Methods to distinguish rare-earth magnets using portable cathodoluminescence spectrometer. <i>Surface and Interface Analysis</i> , 2016 , 48, 1153-1156	1.5	5
84	Hitoshi KAMADA (1919-2015). <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016 , 126, 101-102	3.1	
83	Scanning Electron Microscope-Cathodoluminescence Analysis of Rare-Earth Elements in Magnets. <i>Microscopy and Microanalysis</i> , 2016 , 22, 82-6	0.5	5
82	Extrinsic and Intrinsic Contributions to Plasmon Peaks in Solids. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2016 , 71, 91-93	1.4	1
81	Low-power total reflection X-ray fluorescence spectrometer using diffractometer guide rail. <i>Powder Diffraction</i> , 2015 , 30, 36-39	1.8	1
80	Elemental Analysis of Rare-earth Magnet Utilizing Cathodoluminescence. <i>Microscopy and Microanalysis</i> , 2015 , 21, 793-794	0.5	
79	Palm-top size X-ray microanalyzer using a pyroelectric focused electron beam with 100-micro-meter diameter. <i>Journal of Physics: Conference Series</i> , 2014 , 499, 012011	0.3	1
78	Forensic analysis of arsenic poisoning in Japan by synchrotron radiation X-ray fluorescence. <i>X-Ray Spectrometry</i> , 2014 , 43, 2-12	0.9	9
77	Mechanical stress X-ray emission from crystal sugar. <i>X-Ray Spectrometry</i> , 2014 , 43, 367-369	0.9	3

76	Intensity correction of WD-XRF spectra from 20 to 100 keV energy. <i>X-Ray Spectrometry</i> , 2013 , 42, 16-18	0.9	10
75	Note: Portable rare-earth element analyzer using pyroelectric crystal. <i>Review of Scientific Instruments</i> , 2013 , 84, 126105	1.7	9
74	Trace elemental determination by portable total reflection X-ray fluorescence spectrometer with low wattage X-ray tube. <i>X-Ray Spectrometry</i> , 2013 , 42, 171-173	0.9	9
73	SEM-EDX Analysis of Insulator Specimen by Using Garment Antistatic Spray. <i>Bunseki Kagaku</i> , 2013 , 62, 155-158	0.2	2
72	SEM-EDX Analysis of Insulator Specimens by Diluted Ionic Liquid Application to Volcanic Particles. <i>Bunseki Kagaku</i> , 2012 , 61, 947-951	0.2	1
71	Similarity between blackbody and synchrotron radiation analyzed by Tsallis entropy. <i>X-Ray Spectrometry</i> , 2012 , 41, 125-127	0.9	4
70	Pyroelectric X-ray application to X-ray absorption and emission spectroscopies. <i>X-Ray Spectrometry</i> , 2012 , 41, 216-218	0.9	5
69	Si PIN X-ray photon counter. <i>X-Ray Spectrometry</i> , 2011 , 40, 257-259	0.9	
68	EDXRF with an audio digitizer. <i>X-Ray Spectrometry</i> , 2011 , 40, 446-448	0.9	3
67	SEM Observation at High Magnification and EDX Analysis of Insulating Sample by Diluted Ionic Liquid. <i>Hyomen Kagaku</i> , 2011 , 32, 659-663		3
66	Application of Pyroelectric Crystal as a Safety X-ray Source. <i>Radioisotopes</i> , 2011 , 60, 249-263	0.1	2
65	Multilayer nano-thickness measurement by a portable low-power Bremsstrahlung X-ray reflectometer. <i>Analytical Methods</i> , 2010 , 2, 1555	3.2	3
64	First-Principles Study on Stability and Electronic Structures of Pt-Rh Bimetallic Nanoparticles. <i>Materials Transactions</i> , 2010 , 51, 321-324	1.3	11
63	Elemental Analysis of Leaching Solution from Soils in the Mountain District of Shikoku with a Handy-type Liquid Electrode Plasma Atomic Emission Spectrometer. <i>Bunseki Kagaku</i> , 2010 , 59, 1125-1131	0.2	13
62	Recording X-ray spectra with an audio digitizer. <i>X-Ray Spectrometry</i> , 2010 , 39, 318-320	0.9	6
61	X-ray tube spectral measurement method for quantitative analysis of X-ray fluorescence analysis. <i>X-Ray Spectrometry</i> , 2010 , 39, 328-331	0.9	8
60	Phosphate Adsorption Site on Zirconium Ion Modified MgAl-layered Double Hydroxides. <i>Topics in Catalysis</i> , 2009 , 52, 714-723	2.3	13
59	Pore-Size Dependence of the Acidic Property of Mesoporous Silica FSM-16. <i>Topics in Catalysis</i> , 2009 , 52, 657-663	2.3	8

58	Application of a Portable Total Reflection X-Ray Fluorescence Spectrometer to a Trace Elemental Analysis of Wines. <i>Bunseki Kagaku</i> , 2009 , 58, 1041-1045	0.2	9
57	Analysis of Valence for Chromium in Soil and Plastic Samples Using Laboratory XAFS Spectrometer. <i>Bunseki Kagaku</i> , 2009 , 58, 321-325	0.2	5
56	Handy waveguide TXRF spectrometer for nanogram sensitivity. <i>Powder Diffraction</i> , 2008 , 23, 146-149	1.8	9
55	Analysis of Trace Elements in Soft Drink, Environmental Water, and Leaching Solution of Toy by Using Portable Total Reflection X-Ray Fluorescence Spectrometer. <i>Bunseki Kagaku</i> , 2008 , 57, 135-139	0.2	7
54	Gray-body approximation to continuous X-ray spectra from scanning electron microscope. <i>Surface and Interface Analysis</i> , 2008 , 40, 1719-1721	1.5	1
53	X-ray Absorption Fine Structure Spectroscopy for Analytical Chemistry. <i>X-Ray Spectrometry</i> , 2008 , 37, 203-203	0.9	
52	Synchrotron radiation is not a blackbody but a graybody. <i>X-Ray Spectrometry</i> , 2007 , 36, 321-323	0.9	5
51	Risk assessment of TiO ₂ photocatalyst by individual micrometer-size particle analysis with on-site combination of SEM-EDX and SR-XANES microscope. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007 , 62, 677-681	3.1	7
50	Terasawa-type small X-Ray Gas Tubes and its Application to Neutralizer for Static Electricity 2006 ,		3
49	X-ray absorption fine structure measurement with a 9V electric battery x-ray emitter. <i>Applied Physics Letters</i> , 2006 , 89, 134104	3.4	4
48	Numerical Simulation of Planar X-Ray Waveguides with Low-Z Cladding Layers. <i>Bunseki Kagaku</i> , 2006 , 55, 447-452	0.2	
47	A simple X-ray emitter. <i>Analytical Sciences</i> , 2005 , 21, 881-4	1.7	7
46	X-ray absorption spectral analysis with a 9 V battery X-ray generator. <i>Analytical Sciences</i> , 2005 , 21, 783-4	1.7	5
45	X-ray Fluorescence Analysis of Rice and Rice Bran with a Dry Battery X-ray Generator. <i>Bunseki Kagaku</i> , 2005 , 54, 321-324	0.2	8
44	Radiative auger effect and extended X-ray emission fine structure (EXEFS). <i>Analytical Sciences</i> , 2005 , 21, 733-5	1.7	14
43	Chemical effects in high-resolution nickel K α X-ray fluorescence spectra. <i>Analytical Sciences</i> , 2005 , 21, 865-8	1.7	9
42	Strong X-ray emission from electrified insulators. <i>Analytical Sciences</i> , 2005 , 21, 877-80	1.7	8
41	An X-ray fluorescence spectrometer with a pyroelectric X-ray generator and a secondary target for the determination of Cr in steel. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005 , 60, 89-93	3.1	13

40	Portable x-ray fluorescence spectrometer with a pyroelectric x-ray generator. <i>X-Ray Spectrometry</i> , 2005 , 34, 225-229	0.9	25
39	X-ray fluorescence analysis with a pyroelectric x-ray generator. <i>X-Ray Spectrometry</i> , 2005 , 34, 521-524	0.9	13
38	Fluorine K α -x-ray fluorescence spectra of LuF ₃ and NaF using synchrotron radiation. <i>Surface and Interface Analysis</i> , 2005 , 37, 194-196	1.5	
37	ANALYSIS OF MULTI-ELEMENT POWDERS AND SOLUTIONS OF METALS WITH A PYROELECTRIC X-RAY GENERATOR. <i>International Journal of PIXE</i> , 2005 , 15, 19-25	0.1	1
36	Effective charge on silicon atom in the metal silicides Mg ₂ Si and CaSi. <i>Physical Review B</i> , 2005 , 71,	3.3	17
35	Correlation between chemical shift of Si K β lines and the effective charge on the Si atom and its application in the Fe-Si binary system. <i>Physical Review B</i> , 2004 , 69,	3.3	24
34	Identification of steel by X-ray fluorescence analysis with a pyroelectric X-ray generator. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 379, 735-8	4.4	23
33	X-ray fluorescence analysis at mg l ⁻¹ level with an X-ray source powered by a dry battery. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 1524-1528	3.7	10
32	Identification of glass and ceramics by X-ray fluorescence analysis with a pyroelectric X-ray generator. <i>Analytical Sciences</i> , 2004 , 20, 1211-5	1.7	22
31	Portable X-ray fluorescence spectrometer with an electric battery. <i>Bunseki Kagaku</i> , 2004 , 53, 183-186	0.2	15
30	Identification of paint and leather by X-ray fluorescence spectrometry with pyroelectric crystal. <i>Bunseki Kagaku</i> , 2004 , 53, 753-755	0.2	16
29	X-ray reflection from thin multilayers: symmetric patterns. <i>Surface and Interface Analysis</i> , 2003 , 35, 76-79.	1.5	4
28	X-Ray Wave Guide and its Possible Application to Surface Analysis;. <i>Journal of Surface Analysis (Online)</i> , 2002 , 9, 356-358	0.1	1
27	Analytical Chemistry represented by "super" and "ultra". Polar-angle dependence of the X-ray fluorescence intensity from a Pd single crystal.. <i>Bunseki Kagaku</i> , 2001 , 50, 405-410	0.2	1
26	High spatial resolution extended x-ray emission fine structure (EXEFS) spectra of an electronic device measured by electron probe microanalysis (EPMA). <i>Surface and Interface Analysis</i> , 2001 , 31, 114-117	1.5	7
25	MICROBEAM XANES AND X-RAY FLUORESCENCE ANALYSIS OF CADMIUM IN KIDNEY. <i>Instrumentation Science and Technology</i> , 2001 , 19, 541-546		8
24	EXTENDED X-RAY EMISSION FINE STRUCTURE (EXEFS) AND X-RAY ABSORPTION NEAR EDGE STRUCTURE (XANES) OF SOIL SAMPLES. <i>Instrumentation Science and Technology</i> , 2001 , 19, 497-507		12
23	New Developments in Chemical Wet Processes. X-Ray Traveling Waves.. <i>Hyomen Kagaku</i> , 2001 , 22, 397-403		6

22	On the Fine Structures in X-Ray Fluorescence Spectra.. <i>Nihon Kessho Gakkaishi</i> , 2001 , 43, 185-188	0	1
21	X-Ray Trace/Micro Analysis. <i>Shinku/Journal of the Vacuum Society of Japan</i> , 2000 , 43, 1022-1029		1
20	Magnesium K X-Ray Emission Spectra of Mg, MgO and Olivine [(Mg, Fe) ₂ (SiO ₄)] by EPMA and XRF. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 1999 , 85, 164-168	0.5	7
19	Chemical shift and lineshape of high-resolution Ni K α -ray fluorescence spectra. <i>X-Ray Spectrometry</i> , 1999 , 28, 470-477	0.9	35
18	Calculation of B K α x-ray emission spectra of boron nitrides. <i>X-Ray Spectrometry</i> , 1999 , 28, 497-502	0.9	4
17	Total reflection x-ray photoelectron spectroscopy of a tantalum-titanium multilayer. <i>X-Ray Spectrometry</i> , 1999 , 28, 519-522	0.9	3
16	Easy, quick, and small area measurement of X-ray absorption spectra using an electron probe X-ray microanalyzer.. <i>Bunseki Kagaku</i> , 1999 , 48, 793-795	0.2	7
15	Theory on Extended X-Ray Emission Spectra. <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 4032-4036	0.5	13
14	Convenient Method of X-Ray Absorption Spectroscopy Using EPMA. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 1999 , 85, 353-361	0.5	7
13	Chemical shift and lineshape of high-resolution Ni K α -ray fluorescence spectra 1999 , 28, 470		1
12	X-Ray Fluorescence Holography of SrTiO ₃ Compared with X-Ray Photoelectron Holography.. <i>Analytical Sciences</i> , 1998 , 14, 903-907	1.7	11
11	Atomic-Resolution X-Ray Fluorescence Holography of Zn (0.02 wt%) in a GaAs Wafer.. <i>Analytical Sciences</i> , 1998 , 14, 987-990	1.7	22
10	Inelastic Mean Free Path of Photoelectrons in Ag Determined by Total Reflection X-Ray Photoelectron Spectroscopy.. <i>Analytical Sciences</i> , 1997 , 13, 797-801	1.7	28
9	Extended X-Ray Absorption Fine Structure (EXAFS) in X-ray Fluorescence Spectra. <i>Journal of the Physical Society of Japan</i> , 1997 , 66, 3337-3340	1.5	24
8	Photoelectron spectra enhanced by x-ray total reflection and diffraction from periodic multilayer. <i>Applied Physics Letters</i> , 1996 , 68, 1921-1923	3.4	26
7	Strong X-ray emission due to electrification. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1996 , 109-110, 206-208	1.2	14
6	Strong X-ray emission from electrified material. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1995 , 50, L1-L4	3.1	10
5	Profile changes of X-ray spectra and their interpretation using the molecular-orbital method(Review).. <i>Bunseki Kagaku</i> , 1995 , 44, 251-269	0.2	11

4	X-Ray Absorption and Photoelectron Spectroscopies Using Total Reflection X-Rays.. <i>Analytical Sciences</i> , 1995 , 11, 519-524	1.7	25
3	VERTICAL BEAM PIXE FOR IN SITU ANALYSIS OF LIQUIDS. <i>International Journal of PIXE</i> , 1994 , 04, 147-154.	1.1	3
2	Ligand Determination of a Copper Complex by Cu 2p X-Ray Photoelectron Spectroscopy.. <i>Analytical Sciences</i> , 1994 , 10, 853-857	1.7	14
1	Polarization and intensity of Compton scattering. <i>X-Ray Spectrometry</i> ,	0.9	2