Wojciech Kwiatek

List of Publications by Year
in descending order

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173	2,018	304602	434063
papers	citations	22 h-index	31 g-index

183	183	183	2691
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biological applications of synchrotron radiation infrared spectromicroscopy. Biotechnology Advances, 2012, 30, 1390-1404.	6.0	78
2	Molecular Characterization of DNA Double Strand Breaks with Tipâ€Enhanced Raman Scattering. Angewandte Chemie - International Edition, 2014, 53, 169-172.	7.2	77
3	Analysis of human cancer prostate tissues using FTIR microspectroscopy and SRIXE techniques. Journal of Molecular Structure, 2001, 565-566, 329-334.	1.8	55
4	Comparative endothelial profiling of doxorubicin and daunorubicin in cultured endothelial cells. Toxicology in Vitro, 2015, 29, 512-521.	1.1	52
5	Trace element measurements using white synchrotron radiation. Nuclear Instruments & Methods in Physics Research B, 1987, 24-25, 400-404.	0.6	38
6	Composite structure of wood cells in petrified wood. Materials Science and Engineering C, 2005, 25, 119-130.	3.8	38
7	Trace Elements Distribution in Renal Cell Carcinoma Depending on Stage of Disease. European Urology, 2002, 42, 475-480.	0.9	37
8	Synchrotron FTIR shows evidence of DNA damage and lipid accumulation in prostate adenocarcinoma PC-3 cells following proton irradiation. Journal of Molecular Structure, 2014, 1073, 134-141.	1.8	35
9	Cancerous tissues analyzed by SRIXE. Journal of Alloys and Compounds, 2005, 401, 173-177.	2.8	31
10	Lipid droplets in prostate cancer cells and effect of irradiation studied by Raman microspectroscopy. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158753.	1.2	31
11	Application of SRIXE and XANES to the determination of the oxidation state of iron in prostate tissue sections. Journal of Alloys and Compounds, 2004, 362, 83-87.	2.8	30
12	Correlation of concentrations of selected trace elements with Gleason grade of prostate tissues. Journal of Biological Inorganic Chemistry, 2010, 15, 1147-1155.	1.1	28
13	Monitoring UVR induced damage in single cells and isolated nuclei using SR-FTIR microspectroscopy and 3D confocal Raman imaging. Analyst, The, 2014, 139, 4200-4209.	1.7	28
14	Differentiation of protein secondary structure in clear and opaque human lenses: AFM â€“ IR studies. Journal of Pharmaceutical and Biomedical Analysis, 2017, 139, 125-132.	1.4	28
15	Comparison of spectral and spatial denoising techniques in the context of High Definition FT-IR imaging hyperspectral data. Scientific Reports, 2018, 8, 14351.	1.6	28
16	Renal stone studies using vibrational spectroscopy and trace element analysis. Biospectroscopy, 1997, 3, 403-407.	0.7	27
17	Sporicidal activity of ceragenin CSA-13 against Bacillus subtilis. Scientific Reports, 2017, 7, 44452.	1.6	27
18	Energy Dissipation in the AFM Elasticity Measurements. Acta Physica Polonica A, 2009, 115, 548-551.	0.2	27

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19	Nonpolynomial approximation of background in X-ray spectra. Nuclear Instruments & Methods in Physics Research B, 1987, 22, 78-81.	0.6	26
20	Saliva as a first-line diagnostic tool: A spectral challenge for identification of cancer biomarkers. Journal of Molecular Liquids, 2020, 307, 112961.	2.3	26
21	SR-FTIR spectroscopic preliminary findings of non-cancerous, cancerous, and hyperplastic human prostate tissues. Vibrational Spectroscopy, 2007, 43, 237-242.	1.2	24
22	Taking a snapshot of the triplet excited state of an OLED organometallic luminophore using X-rays. Nature Communications, 2020, 11, 2131.	5.8	24
23	Preliminary study on the distribution of selected elements in cancerous and non-cancerous kidney tissues. Journal of Trace Elements in Medicine and Biology, 2002, 16, 155-160.	1.5	23
24	Morphology and the chemical make-up of the inorganic components of black corals. Materials Science and Engineering C, 2009, 29, 1029-1038.	3.8	23
25	A new approach to studying the effects of ionising radiation on single cells using FTIR synchrotron microspectroscopy. Radiation Physics and Chemistry, 2013, 93, 135-141.	1.4	23
26	X-ray fluorescence with synchrotron radiation. Ultramicroscopy, 1988, 24, 313-328.	0.8	21
27	Direct Determination of Metal Complexesâ€™ Interaction with DNA by Atomic Telemetry and Multiscale Molecular Dynamics. Journal of Physical Chemistry Letters, 2017, 8, 805-811.	2.1	21
28	Mid-infrared spectroscopy and microscopy of subcellular structures in eukaryotic cells with atomic force microscopy â€“ infrared spectroscopy. RSC Advances, 2018, 8, 2786-2794.	1.7	21
29	Raman spectral signatures of urinary extracellular vesicles from diabetic patients and hyperglycemic endothelial cells as potential biomarkers in diabetes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 17, 137-149.	1.7	21
30	Development of a compact laser-produced plasma soft X-ray source for radiobiology experiments. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 27-32.	0.6	20
31	Influence of denoising on classification results in the context of hyperspectral data: High Definition FT-IR imaging. Analytica Chimica Acta, 2019, 1085, 39-47.	2.6	20
32	FTIR Microspectroscopy in Studies of DNA Damage Induced by Proton Microbeam in Single PC-3 Cells. Acta Physica Polonica A, 2012, 121, 506-509.	0.2	20
33	Trace element analysis by means of synchrotron radiation, XRF, and PIXE: selection of sample preparation procedure. Journal of Alloys and Compounds, 2001, 328, 283-288.	2.8	19
34	Infrared nanospectroscopic mapping of a single metaphase chromosome. Nucleic Acids Research, 2019, 47, e108-e108.	6.5	19
35	Exploring subcellular responses of prostate cancer cells to X-ray exposure by Raman mapping. Scientific Reports, 2019, 9, 8715.	1.6	19
36	Novel in situ methodology to observe the interactions of chemotherapeutical Pt drugs with DNA under physiological conditions. Dalton Transactions, 2014, 43, 13839-13844.	1.6	18

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37	Nanoscale image of the drug/metal mono-layer interaction: Tapping AFM-IR investigations. Nano Research, 2020, 13, 1020-1028.	5.8	18
38	Distribution of selected elements in calcific human aortic valves studied by microscopy combined with SR-Î¼XRF: Influence of lipids on progression of calcification. Micron, 2014, 67, 141-148.	1.1	17
39	Is it possible to find presence of lactose in pharmaceuticals? â€" Preliminary studies by ATR-FTIR spectroscopy and chemometrics. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 280-286.	2.0	17
40	Revealing Chemical Heterogeneity of CNT Fiber Nanocomposites via Nanoscale Chemical Imaging. Chemistry of Materials, 2018, 30, 1856-1864.	3.2	17
41	Lead pollution in the Antarctic region. X-Ray Spectrometry, 1998, 27, 232-235.	0.9	16
42	Investigating DNA Radiation Damage Using X-Ray Absorption Spectroscopy. Biophysical Journal, 2016, 110, 1304-1311.	0.2	16
43	Vibrational microspectroscopy analysis of human lenses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 188, 332-337.	2.0	16
44	Application of ATR-FTIR mapping to identification and distribution of pigments, binders and degradation products in a 17th century painting. Vibrational Spectroscopy, 2019, 103, 102928.	1.2	16
45	XANES as a tool for iron oxidation state determination in tissues. Journal of Alloys and Compounds, 2001, 328, 276-282.	2.8	15
46	Trace element analysis of tissue section by means of synchrotron radiation: the use of GNUPLOT for SRIXE spectra analysis. Journal of Alloys and Compounds, 2001, 328, 135-138.	2.8	15
47	Double strand break formation as a response to X-ray and targeted proton-irradiation. Nuclear Instruments & Methods in Physics Research B, 2007, 260, 159-163.	0.6	15
48	Distribution of selected elements in atherosclerotic plaques of apoE/LDLRâ€double knockout mice assessed by synchrotron radiationâ€induced microâ€XRF spectrometry. X-Ray Spectrometry, 2008, 37, 495-502.	0.9	15
49	Affinity of Alkylphosphocholines to Biological Membrane of Prostate Cancer: Studies in Natural and Model Systems. Journal of Membrane Biology, 2014, 247, 581-589.	1.0	15
50	The pituitary gland under infrared light â€" in search of a representative spectrum for homogeneous regions. Analyst, The, 2015, 140, 2156-2163.	1.7	15
51	Potential drug â€" nanosensor conjugates: Raman, infrared absorption, surface â€" enhanced Raman, and density functional theory investigations of indolic molecules. Applied Surface Science, 2017, 404, 168-179.	3.1	15
52	Monitoring the Interfacial Behavior of Selective Y5 Receptor Antagonist on Colloidal Gold Nanoparticle Surfaces: Surface-Enhanced Vibrational Spectroscopy Studies. Journal of Physical Chemistry C, 2017, 121, 17276-17288.	1.5	15
53	Surface characterization of medieval silver coins minted by the early Piasts: <scp>FTâ€IR</scp> mapping and <scp>SEM/EDX</scp> studies. Surface and Interface Analysis, 2018, 50, 78-86.	0.8	15
54	Investigation of trace elements in cancer kidney tissues by SRIXE and PIXE. Nuclear Instruments & Methods in Physics Research B, 1996, 109-110, 284-288.	0.6	14

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55	Multianalytical approach for surface- and tip-enhanced infrared spectroscopy study of a moleculeâ€“metal conjugate: deducing its adsorption geometry. Physical Chemistry Chemical Physics, 2018, 20, 27992-28000.	1.3	14
56	Nanoparticle stabilizer as a determining factor of the drug/gold surface interaction: SERS and AFM-SEIRA studies. Applied Surface Science, 2021, 537, 147897.	3.1	14
57	SR-FTIR Coupled with Principal Component Analysis Shows Evidence for the Cellular Bystander Effect. Radiation Research, 2015, 184, 73-82.	0.7	13
58	Polarization effect in tip-enhanced infrared nanospectroscopy studies of the selective Y5 receptor antagonist Lu AA33810. Nano Research, 2018, 11, 4401-4411.	5.8	13
59	Macromolecular Orientation in Biological Tissues Using a Four-Polarization Method in FT-IR Imaging. Analytical Chemistry, 2020, 92, 13313-13318.	3.2	13
60	FT-Raman, FT-IR spectroscopy and PIXE analysis applied to gallstones specimens. Cellular and Molecular Biology, 1998, 44, 65-73.	0.3	13
61	Iron and other elements studies in cancerous and non-cancerous prostate tissues. Journal of Alloys and Compounds, 2005, 401, 178-183.	2.8	12
62	Zinc in native tissues and cultured cell lines of human prostate studied by SRâ€XRF and XANES. X-Ray Spectrometry, 2009, 38, 557-562.	0.9	12
63	High-resolution label-free studies of molecular distribution and orientation in ultrathin, multicomponent model membranes with infrared nano-spectroscopy AFM-IR. Journal of Colloid and Interface Science, 2019, 542, 347-354.	5.0	12
64	Assessment of cellular response to drug/nanoparticles conjugates treatment through FTIR imaging and PLS regression study. Sensors and Actuators B: Chemical, 2020, 313, 128039.	4.0	12
65	Denoising influence on discrete frequency classification results for quantum cascade laser based infrared microscopy. Analytica Chimica Acta, 2019, 1051, 24-31.	2.6	11
66	Saliva as a non-invasive material for early diagnosis. Acta Biochimica Polonica, 2019, 66, 383-388.	0.3	11
67	Elemental concentrations in bones from an ancient egyptian mummy and from a contemporary man. Nuclear Instruments & Methods in Physics Research B, 1987, 22, 423-425.	0.6	10
68	Iron content (PIXE) in competent and incompetent veins is related to the vein wall morphology and tissue antioxidant enzymes. Bioelectrochemistry, 2012, 87, 114-123.	2.4	10
69	Vibrational Fingerprint of Erlotinib: FTIR, RS, and DFT Studies. Journal of Spectroscopy, 2019, 2019, 1-10.	0.6	10
70	Development of continuous CNT fibre-reinforced PMMA filaments for additive manufacturing: A case study by AFM-IR nanoscale imaging. Materials Letters, 2020, 262, 127182.	1.3	10
71	Nanoscale infrared probing of amyloid formation within the pleomorphic adenoma tissue. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129677.	1.1	10
72	Micro-Spectrometric Investigations of Inorganic Components of the Black Corals for Biomedical Applications. Key Engineering Materials, 2005, 284-286, 297-300.	0.4	9

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73	DNA strand breaks induced by soft X-ray pulses from a compact laser plasma source. Radiation Physics and Chemistry, 2016, 120, 17-25.	1.4	9
74	Identification of erlotinib adsorption pattern onto silver nanoparticles: SERS studies. Journal of Raman Spectroscopy, 2018, 49, 1265-1273.	1.2	9
75	Nanoscale Investigation into the Cellular Response of Glioblastoma Cells Exposed to Protons. Analytical Chemistry, 2018, 90, 7644-7650.	3.2	9
76	PrP (58â€“93) peptide from unstructured N-terminal domain of human prion protein forms amyloid-like fibrillar structures in the presence of Zn²⁺ ions. RSC Advances, 2019, 9, 22211-22219.	1.7	9
77	Comparison between high definition FTâ€IR, Raman and AFMâ€IR for subcellular chemical imaging of cholesteryl esters in prostate cancer cells. Journal of Biophotonics, 2020, 13, e201960094.	1.1	9
78	Application of Linear Discriminant Analysis in Prostate Cancer Research by Synchrotron Radiation-Induced X-Ray Emission. Analytical Chemistry, 2007, 79, 6670-6674.	3.2	8
79	Bioactivity of a Chitosan Based Nanocomposite. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 10, 95-106.	0.7	8
80	Changes in cellular response to the damage induced in PC-3 prostate cancer cells by proton microbeam irradiation. General Physiology and Biophysics, 2012, 31, 11-18.	0.4	8
81	Computed microtomography and numerical study of porous rock samples. Radiation Physics and Chemistry, 2013, 93, 59-66.	1.4	8
82	Determination of oxidation state of iron in normal and pathologically altered human aortic valves. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 70-75.	0.6	8
83	Nanoscale AFM-IR spectroscopic imaging of lipid heterogeneity and effect of irradiation in prostate cancer cells. Nanotechnology, 2019, 30, 425502.	1.3	8
84	Spectroscopic insights into the effect of pH, temperature, and stabilizer on erlotinib adsorption behavior onto Ag nanosurface. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117737.	2.0	8
85	Stearoyl-CoA Desaturase 1 Activity Determines the Maintenance of DNMT1-Mediated DNA Methylation Patterns in Pancreatic Î²-Cells. International Journal of Molecular Sciences, 2020, 21, 6844.	1.8	8
86	In search of the correlation between nanomechanical and biomolecular properties of prostate cancer cells with different metastatic potential. Archives of Biochemistry and Biophysics, 2021, 697, 108718.	1.4	8
87	Zn(II) binding causes interdomain changes in the structure and flexibility of the human prion protein. Scientific Reports, 2021, 11, 21703.	1.6	8
88	Spectral signature of multiple sclerosis. Preliminary studies of blood fraction by ATR FTIR technique. Biochemical and Biophysical Research Communications, 2022, 593, 40-45.	1.0	8
89	Determination of vanadium in animal tissues by PIXE and AAS. Journal of Radioanalytical and Nuclear Chemistry, 2001, 247, 175-178.	0.7	7
90	Mechanism of hydrolysis of a platinum(IV) complex discovered by atomic telemetry. Journal of Inorganic Biochemistry, 2018, 187, 56-61.	1.5	7

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91	Physico-chemical analysis of molecular binding to the colloidal metal nanostructure: Multiple micro- and nanospectroscopy study. Applied Surface Science, 2020, 499, 143975.	3.1	7
92	Comparison of the new Mie Extinction Extended Multiplicative Scattering Correction and Resonant Mie Extended Multiplicative Scattering Correction in transmission infrared tissue image scattering correction. Infrared Physics and Technology, 2020, 107, 103291.	1.3	7
93	Exploring subcellular responses of prostate cancer cells to clinical doses of X-rays by Raman microspectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 255, 119653.	2.0	7
94	Tracking of the biochemical changes upon pleomorphic adenoma progression using vibrational microspectroscopy. Scientific Reports, 2021, 11, 18010.	1.6	7
95	Distinguishing Prostate Cancer from Hyperplasia. Acta Physica Polonica A, 2006, 109, 377-381.	0.2	7
96	Preliminary Study on Chemical Speciation of Sulphur in Cancerous Tissues. Acta Physica Polonica A, 2006, 109, 383-387.	0.2	7
97	Sulphur XANES Analysis of Cultured Human Prostate Cancer Cells. Acta Physica Polonica A, 2008, 114, 463-470.	0.2	7
98	Applications of the Cracow X-Ray Microprobe in Tomography. Acta Physica Polonica A, 2009, 115, 537-541.	0.2	7
99	The new PIXE setup at the Institute of Nuclear Physics in KrakÃ³w. Nuclear Instruments & Methods in Physics Research B, 1996, 109-110, 109-112.	0.6	6
100	A comparison between the unfolding of fibronectin and contactin. Journal of Physics Condensed Matter, 2006, 18, 10157-10164.	0.7	6
101	Technical aspects of Zn microanalysis of human prostate cancer tissues and cells. Radiation Physics and Chemistry, 2009, 78, S53-S57.	1.4	6
102	Micro- and Nanoscale Spectroscopic Investigations of Threonine Influence on the Corrosion Process of the Modified Fe Surface by Cu Nanoparticles. Materials, 2020, 13, 4482.	1.3	6
103	Biomedical Applications of Synchrotron X-Ray Fluorescence. Acta Physica Polonica A, 1994, 86, 695-703.	0.2	6
104	Correlation of trace elements in hair of patients with colon cancer. Nuclear Instruments & Methods in Physics Research B, 1987, 22, 166-171.	0.6	5
105	Trace element relations to renal stones phases. Nuclear Instruments & Methods in Physics Research B, 1990, 49, 234-237.	0.6	5
106	Trace element distribution in the rat cerebellum. Nuclear Instruments & Methods in Physics Research B, 1990, 49, 561-565.	0.6	5
107	Selection of the experimental conditions for white-light SRIXE measurements. Nuclear Instruments & Methods in Physics Research B, 1990, 50, 347-352.	0.6	5
108	Application of FTIR, PIXE, and EBS for trace element analysis in biological samples. Nuclear Instruments & Methods in Physics Research B, 1992, 64, 512-516.	0.6	5

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109	Micro and bulk analysis of prostate tissues classified as hyperplasia. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 707-710.	1.5	5
110	Distribution of selected elements in atherosclerotic plaques of apoE/LDLR-double knockout mice subjected to dietary and pharmacological treatments. Radiation Physics and Chemistry, 2011, 80, 1072-1077.	1.4	5
111	Influence of Vanadiumâ€“organic Ligands Treatment on Selected Metal Levels in Kidneys of STZ Rats. Biological Trace Element Research, 2013, 153, 319-328.	1.9	5
112	Chemical species of sulfur in prostate cancer cells studied by XANES spectroscopy. Radiation Physics and Chemistry, 2013, 93, 154-159.	1.4	5
113	Analysis of synchrotron radiation induced X-ray emission spectra with R environment. Radiation Physics and Chemistry, 2013, 93, 82-86.	1.4	5
114	Physicochemical damage and earlyâ€stage biological response to Xâ€ray radiation studied in prostate cancer cells by Raman spectroscopy. Journal of Biophotonics, 2020, 13, e202000252.	1.1	5
115	Determination of Crystal-Field Splitting Induced by Thermal Oxidation of Titanium. Journal of Physical Chemistry A, 2021, 125, 50-56.	1.1	5
116	The Impact of Preprocessing Methods for a Successful Prostate Cell Lines Discrimination Using Partial Least Squares Regression and Discriminant Analysis Based on Fourier Transform Infrared Imaging. Cells, 2021, 10, 953.	1.8	5
117	Application of Î¼-FTIR-SR Spectroscopy to Prostate Tissue Analysis. Acta Physica Polonica A, 2009, 115, 602-605.	0.2	5
118	Preliminary Investigations of Elemental Content, Microporosity, and Specific Surface Area of Porous Rocks Using PIXE and X-ray Microtomography Techniques. Acta Physica Polonica A, 2012, 121, 474-479.	0.2	5
119	Infrared Spectroscopy in Molecular Study of the Piezoelectric Effect in Pig's Shin Bone. Acta Physica Polonica A, 2012, 121, 539-542.	0.2	5
120	The Study of Human Osteoblast-Like MG 63 Cells Proliferation on Resorbable Polymer-Based Nanocomposites Modified with Ceramic and Carbon Nanoparticles. Acta Physica Polonica A, 2012, 121, 546-550.	0.2	5
121	Identification of Corrosion Products on Fe and Cu Metals using Spectroscopic Methods. Acta Physica Polonica A, 2018, 133, 286-288.	0.2	5
122	X-ray microprobe â€“ A new facility for cell irradiations in KrakÃ³w. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 2273-2276.	0.6	4
123	Investigating the Distribution of Chemical Forms of Sulfur in Prostate Cancer Tissue Using X-ray Absorption Spectroscopy. Applied Spectroscopy, 2016, 70, 264-271.	1.2	4
124	Electronic structure of Fe, Î±-Fe 2 O 3 and Fe(NO 3) 3 Ã— 9 H 2 O determined using RXES. Chemical Physics, 2017, 493, 49-55.	0.9	4
125	Erythrocyte hemeâ€oxygenation status indicated as a risk factor in prehypertension by Raman spectroscopy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 3659-3663.	1.8	4
126	Electronic properties of a PrPCâ€“Cu(<scp>ii</scp>) complex as a marker of 5-fold Cu(<scp>ii</scp>) coordination. Metallomics, 2019, 11, 632-642.	1.0	4

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127	Noise-free simulation of an FT-IR imaging hyperspectral dataset of pancreatic biopsy core bound by experiment. Scientific Data, 2019, 6, 239.	2.4	4
128	Influence of interference effects on the spectral quality and histological classification by FT-IR imaging in transflection geometry. Analyst, The, 2021, 146, 646-654.	1.7	4
129	Insights into the binding interactions at the nano-bio interface: Electrode potential and wavelength dependence study. Applied Surface Science, 2021, 562, 150228.	3.1	4
130	Elemental Mapping of Prostate Tissue by Micro-SRIXE. Acta Physica Polonica A, 2006, 109, 323-328.	0.2	4
131	X-Ray Absorption Near Edge Structure and MÃ¶ssbauer Spectroscopy in Study of Iron Valence States in Tissues. Acta Physica Polonica A, 2006, 109, 341-345.	0.2	4
132	Surface Study of Selected Biomaterials Using Vibrational Spectroscopy. Acta Physica Polonica A, 2009, 115, 533-536.	0.2	4
133	Determination of Changes in Sulphur Oxidation States in Prostate Cancer Cells. Acta Physica Polonica A, 2012, 121, 497-501.	0.2	4
134	Analysis of Human Lenses by Raman Microspectroscopy. Acta Physica Polonica A, 2016, 129, 244-246.	0.2	4
135	The use of a SiTek position sensitive detector for synchrotron radiation beam monitoring and alignment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 260, 529-533.	0.7	3
136	Importance of matrix changes in PIXE elemental analysis. Nuclear Instruments & Methods in Physics Research B, 1996, 114, 345-349.	0.6	3
137	Using micro-synchrotron radiation induced X-ray emission distribution maps to determine correlation between elements in prostate tissue. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 957-961.	1.5	3
138	First approach to studies of sulphur electron DOS in prostate cancer cell lines and tissues studied by XANES. Radiation Physics and Chemistry, 2011, 80, 1104-1108.	1.4	3
139	Utility of FT-IR imaging spectroscopy in estimating differences between the quality of bovine blastocysts. Journal of Molecular Structure, 2013, 1049, 227-232.	1.8	3
140	Cross-section determination for one- and two-photon absorption of cobalt at hard-x-ray energies. Physical Review A, 2019, 99, .	1.0	3
141	FTIR Study of Multifunctional Coatings. Acta Physica Polonica A, 2012, 121, 551-554.	0.2	3
142	Chemical Composition of Atherosclerotic Plaques Î¿f apoE/LDLR-Double Knockout Mice by Synchrotron Radiation FTIR Microspectroscopy. Acta Physica Polonica A, 2012, 121, 555-560.	0.2	3
143	Effect of Magnetite Composite on the Amount of Double Strand Breaks Induced with X-Rays. Acta Physica Polonica A, 2016, 129, 174-175.	0.2	3
144	Sample preparation procedure for PIXE elemental analysis on soft tissues. Journal of Radioanalytical and Nuclear Chemistry, 1997, 223, 247-249.	0.7	2

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145	Iron valence states in organic samples and tissues investigated by XANES and MÃ¶ssbauer spectroscopy. X-Ray Spectrometry, 2008, 37, 219-225.	0.9	2
146	Neoplastic disorders of prostate glands in the light of synchrotron radiation and multivariate statistical analysis. Journal of Biological Inorganic Chemistry, 2011, 16, 1187-1196.	1.1	2
147	The use of Resonant X-ray Emission Spectroscopy (RXES) for the electronic analysis of metal complexes and their interactions with biomolecules. Drug Discovery Today: Technologies, 2015, 16, 1-6.	4.0	2
148	Pre-processing of Fourier transform infrared spectra by means of multivariate analysis implemented in the R environment. Analyst, The, 2015, 140, 2810-2814.	1.7	2
149	Molecular structure of human aortic valve by ÂµSR- FTIR microscopy. Nuclear Instruments & Methods in Physics Research B, 2017, 411, 129-135.	0.6	2
150	Triglycerides as indicators of erythrocyte hemoglobin oxygen-binding properties1. Clinical Hemorheology and Microcirculation, 2018, 69, 289-294.	0.9	2
151	XAFS17 Highlights XAS and Related Techniques. Synchrotron Radiation News, 2019, 32, 15-17.	0.2	2
152	In situobservation of charge transfer and crystal field formationviahigh energy resolution X-ray spectroscopy during temperature programmed oxidation. Physical Chemistry Chemical Physics, 2020, 22, 14731-14735.	1.3	2
153	Investigation of Trace Element Concentration in Diabetic Rat's Tissues. Acta Physica Polonica A, 2009, 115, 556-560.	0.2	2
154	Microanalysis using synchrotron radiation. Nuclear Instruments & Methods in Physics Research B, 1992, 68, 122-124.	0.6	1
155	Preliminary results of human PrP C protein studied by spectroscopic techniques. Nuclear Instruments & Methods in Physics Research B, 2017, 411, 121-128.	0.6	1
156	Xâ€Ray Spectroscopy on Biological Systems. , 0, , .		1
157	Synchrotron Radiation Induced X-Ray Emission - SRIXE. Acta Physica Polonica A, 1992, 82, 263-271.	0.2	1
158	X-Ray Microscopy Using Collimated and Focussed Synchrotron Radiation[*]. Advances in X-ray Analysis, 1987, 31, 59-68.	0.0	1
159	Matrix effects in PIXE elemental analysis of thick calculi targets. , 1997, , .		0
160	Preliminary study of X-ray and laser digital image of kidney endocast. Radiation Physics and Chemistry, 2011, 80, 1041-1045.	1.4	0
161	Fourth International Workshop on Imaging Techniques in Synchrotron Radiation (ITSR). Synchrotron Radiation News, 2012, 25, 17-19.	0.2	0
162	SOLARIS: Waiting for the first lightâ€"Proceedings of XI International School and Symposium on Synchrotron Radiation in Natural Science 2012, KrakÃ³w, Poland. Radiation Physics and Chemistry, 2013, 93, 1-3.	1.4	0

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163	Effect of AVE 0991 angiotensin-(1â€“7) receptor agonist treatment on elemental and biomolecular content and distribution in atherosclerotic plaques of apoE-knockout mice. Radiation Physics and Chemistry, 2013, 93, 142-149.	1.4	0
164	EXAFS studies of prostate cancer cell lines. Journal of Physics: Conference Series, 2013, 430, 012040.	0.3	0
165	Performance Assessment and Beamline Diagnostics Based on Evaluation of Temporal Information from Infrared Spectral Datasets by Means of R Environment for Statistical Analysis. Analytical Chemistry, 2014, 86, 6918-6923.	3.2	0
166	12th International School and Symposium on Synchrotron Radiation in Natural Sciences (ISSRNS 2014). Nuclear Instruments & Methods in Physics Research B, 2015, 364, 1-3.	0.6	0
167	X-ray microbeam stand-alone facility for cultured cells irradiation. Nuclear Instruments & Methods in Physics Research B, 2017, 394, 50-60.	0.6	0
168	Conformational Dynamics of Human Prion Protein and Binding Sites of Zn Cations. Biophysical Journal, 2018, 114, 387a.	0.2	0
169	Fibrillation of N-Terminal Prion Protein Fragment in Presence of Zinc Ions. Biophysical Journal, 2018, 114, 429a.	0.2	0
170	DESIGN AND CHARACTERIZATION OF A DESK-TOP LASER PLASMA X-RAY SOURCE FOR RADIOBIOLOGY STUDIES. RAD Association Journal, 0, , .	0.0	0
171	Investigation of Sediments Causing Damage to Water Meters in a Large Drinking Water Distribution System. Acta Physica Polonica A, 2018, 133, 296-301.	0.2	0
172	Comparison of Methods in Studies of Cell Death Mechanisms. Acta Physica Polonica A, 2018, 133, 263-266.	0.2	0
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