

Mehmet Ertugrul

List of Publications by Year in descending order

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227
papers

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201674

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229
docs citations

229
times ranked

1432
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#	ARTICLE	IF	CITATIONS
1	Effect of Nb doping on structural, electrical and optical properties of spray deposited SnO ₂ thin films. Superlattices and Microstructures, 2013, 56, 107-116.	3.1	98
2	The effects of heat treatment on the synthesis of nickel ferrite (NiFe ₂ O ₄) nanoparticles using the microwave assisted combustion method. Journal of Magnetism and Magnetic Materials, 2015, 374, 298-306.	2.3	72
3	A Study on Microwave Absorption Properties of Carbon Black and Ni _{0.6} Zn _{0.4} Fe ₂ O ₄ Nanocomposites by Tuning the Matching-Absorbing Layer Structures. Scientific Reports, 2020, 10, 3135.	3.3	64
4	Measurement of $K_{\alpha}^2/K_{\alpha}^1$ intensity ratios for elements in the range $22 \leq Z \leq 69$ at 59.5 keV. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 909-914.	1.5	59
5	Stepwise technique for accurate and unique retrieval of electromagnetic properties of bianisotropic metamaterials. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1058.	2.1	59
6	Effective Constitutive Parameters Retrieval Method for Bianisotropic Metamaterials Using Waveguide Measurements. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1488-1497.	4.6	59
7	$K_{\alpha}^2/K_{\alpha}^1$ X-ray intensity ratios for elements in the range $16 \leq Z \leq 92$ excited by 5.9, 59.5 and 123.6 keV photons. Radiation Physics and Chemistry, 2007, 76, 15-22.	2.8	55
8	Measurement of cross-sections and Coster-Kronig transition effect on L subshell X-rays of some heavy elements in the atomic range $79 \leq Z \leq 92$ at 59.5 keV. Nuclear Instruments & Methods in Physics Research B, 1996, 119, 345-351.	1.4	49
9	L-subshell fluorescence cross sections and L-subshell fluorescence yields in elements $68 \leq Z \leq 92$ by 59.5 keV photons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 93-98.	1.5	49
10	Determination of Reference-Plane Invariant, Thickness-Independent, and Broadband Constitutive Parameters of Thin Materials. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2313-2321.	4.6	40
11	Noniterative Permittivity Extraction of Lossy Liquid Materials From Reflection Asymmetric Amplitude-Only Microwave Measurements. IEEE Microwave and Wireless Components Letters, 2009, 19, 419-421.	3.2	39
12	Synthesis of In ₂ O ₃ nanostructures with different morphologies as potential supercapacitor electrode materials. Applied Surface Science, 2018, 427, 956-964.	6.1	36
13	Alloying Effect on $K_{\alpha}^2/K_{\alpha}^1$ Intensity Ratios in Cr _x Ni _{1-x} and Cr _x Al _{1-x} Alloys. Applied Spectroscopy Reviews, 1995, 30, 175-180.	6.7	34
14	Measurement of the K shell absorption jump factor of some elements. Radiation Physics and Chemistry, 2002, 64, 1-3.	2.8	34
15	Domestic livestock resources of Turkey. Tropical Animal Health and Production, 2012, 44, 707-714.	1.4	34
16	Measurement of M shell X-ray production cross sections and fluorescence yields for the elements in the atomic range $70 \leq Z \leq 92$ at 5.96 keV. Nuclear Instruments & Methods in Physics Research B, 1996, 108, 18-22.	1.4	33
17	Determination of trace elements in cole (Brassica oleracea var. acephale) at Trabzon region in Turkey. Journal of Quantitative Spectroscopy and Radiative Transfer, 2005, 94, 181-187.	2.3	33
18	K-shell absorption jump factors for the elements Ag, Cs, Ba and La derived from new mass attenuation coefficient measurements using EDXRF technique. Radiation Measurements, 2005, 39, 409-415.	1.4	33

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19	A Hydrogen Gas Sensor Based on TiO ₂ Nanoparticles on Alumina Substrate. <i>Sensors</i> , 2018, 18, 2483.	3.8	32
20	Measurement of L _I , L _{I±} , L _{I²} and L _{I³} x-ray fluorescence cross-sections in heavy elements excited by 59.5 and 123.6 keV photons. <i>Physica Scripta</i> , 1997, 56, 580-583.	2.5	31
21	Measurement of probabilities for vacancy transfer from the K to L shell of the elements $73 \leq Z \leq 92$. <i>Physical Review A</i> , 1997, 55, 303-306.	2.5	31
22	X-Ray attenuation coefficients at different energies and the validity of the mixture rule for compounds around the absorption edge. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 261-266.	2.9	31
23	Determination of K-shell absorption jump factor for some elements using EDXRF Technique. <i>Radiation Measurements</i> , 2003, 37, 103-107.	1.4	30
24	Measurement of L x-ray production cross sections by 60 keV photons and average L shell fluorescence yields of lanthanides. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1996, 38, 91-94.	1.0	29
25	Measurement of L subshell X-ray fluorescence cross sections and L subshell fluorescence yields for elements in the atomic range $73 \leq Z \leq 92$ at 60 keV. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1998, 237, 139-142.	1.5	29
26	Measurement of K alpha to L alpha intensity ratio of lanthanides following photoionization at 59.5 keV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 4037-4040.	1.5	28
27	The vacancy transfer probability dependence on relative L X-ray intensities in the atomic range $57 \leq Z \leq 92$ at 59.5 keV. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1996, 111, 229-233.	1.4	28
28	Total M shell X-ray production cross sections and average fluorescence yields in 11 elements from Tm to U at photon energy of 5.96keV. <i>Radiation Physics and Chemistry</i> , 2005, 72, 549-554.	2.8	28
29	Measurement of radiative vacancy distributions for the L ₂ , L ₃ subshell and M shell of some elements with atomic range $69 \leq Z \leq 92$. <i>Radiation Physics and Chemistry</i> , 1997, 49, 221-224.	2.8	27
30	Measurement of K shell fluorescence yields of some elements in the atomic range $22 \leq Z \leq 30$ using photoionisation. <i>Radiation Physics and Chemistry</i> , 2000, 58, 207-211.	2.8	27
31	Measurement of atomic L shell Coster-Kronig yields (f_{12}, f_{23} and f_{13}) for some elements in the atomic number range $59 \leq Z \leq 90$. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, 631-638.	1.5	27
32	Anisotropy of L-shell X-rays in Au and Hg excited by 59.5 keV photons. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1995, 17, 993-998.	0.4	26
33	Effects of MWCNTs/graphene nanoflakes/MXene addition to TiO ₂ thick film on hydrogen gas sensing. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160671.	5.5	26
34	Measurements of the Efficiency of A Si(Li) Detector in the 5.5-60 keV Energy Region. <i>Instrumentation Science and Technology</i> , 1999, 27, 357-366.	1.8	24
35	Measurement of vacancy transfer probabilities from K to L shell for high atomic number elements. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 519-524.	2.9	24
36	Response of TiO ₂ /MWCNT/B ₂ O ₃ gas sensor to hydrogen using different organic binder. <i>Materials Science in Semiconductor Processing</i> , 2019, 99, 140-148.	4.0	24

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37	X-ray attenuation coefficients of Fe compounds in the K-edge region at different energies and the validity of the mixture rule. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2005, 92, 143-151.	2.3	23
38	Angular Dependence of Differential Cross-Sections of L X-Rays from Hg, Tl, and Pb at 59.5 keV. <i>Applied Spectroscopy Reviews</i> , 1995, 30, 219-225.	6.7	22
39	Radioisotope X-ray fluorescence analysis of some elements in fly ash of Afsin-Elbistan power plants. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1996, 203, 119-123.	1.5	22
40	X-RAY FLUORESCENCE SPECTROMETRY ANALYSIS OF TRACE ELEMENTS IN FLY ASH SAMPLES OF KEMERKÄ-Y THERMAL POWER PLANTS. <i>Instrumentation Science and Technology</i> , 2001, 19, 289-295.	0.8	22
41	Measurement of L subshell X-ray fluorescence cross-sections at 59.54 keV and L subshell fluorescence yields for elements in the atomic range 55 $\leq Z \leq$ 81. <i>Analytica Chimica Acta</i> , 2001, 441, 317-323.	5.4	22
42	Feasibility and performance investigation of a new smart system integrating planar/tubular thermoelectric generators with solar flat plate collector. <i>Energy Conversion and Management</i> , 2019, 199, 111980.	9.2	22
43	Feasibility and Thermal/Electrical performance study of two smart hybrid systems combining parabolic trough collector with tubular thermoelectric generator. <i>Energy Reports</i> , 2021, 7, 1539-1559.	5.1	22
44	Fit values of M subshell fluorescence yields and Coster-Kronig transitions for elements with 20 $\leq Z \leq$ 90. <i>X-Ray Spectrometry</i> , 2002, 31, 62-70.	1.4	21
45	Chemical Effect on L X-ray Intensity Ratios of Mercury, Lead, and Bismuth. <i>Applied Spectroscopy Reviews</i> , 1997, 32, 167-173.	6.7	20
46	Measurement of L shell fluorescence yields of some elements in the atomic range 56 $\leq Z \leq$ 64 using photoionisation. <i>Radiation Physics and Chemistry</i> , 1999, 54, 229-233.	2.8	19
47	Boundary Effects on the Determination of Electromagnetic Properties of Bianisotropic Metamaterials From Scattering Parameters. <i>IEEE Transactions on Antennas and Propagation</i> , 2016, 64, 3459-3469.	5.1	19
48	Measurement of L-shell fluorescence yields of some elements in the atomic range 65 $\leq Z \leq$ 74 using photoionization. <i>Physical Review A</i> , 1998, 58, 1040-1042.	2.5	18
49	Measurement of L shell fluorescence yields of seven elements in the atomic number range 79 $\leq Z \leq$ 92 using photoionization. <i>X-Ray Spectrometry</i> , 1999, 28, 91-93.	1.4	18
50	Measurement of K to L shell vacancy transfer probabilities for the elements 46 $\leq Z \leq$ 55 by photoionization. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2003, 58, 1859-1865.	2.9	18
51	Differential uncertainty analysis for evaluating the accuracy of S-parameter retrieval methods for electromagnetic properties of metamaterial slabs. <i>Optics Express</i> , 2012, 20, 29002.	3.4	18
52	Microwave method for reference-plane-invariant and thickness-independent permittivity determination of liquid materials. <i>Review of Scientific Instruments</i> , 2014, 85, 014705.	1.3	18
53	Complex Permittivity and Thickness Evaluation of Low-Loss Dielectrics From Uncalibrated Free-Space Time-Domain Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-10.	6.3	18
54	Calculation of average M shell fluorescence yields for elements with 29 $\leq Z \leq$ 100. <i>X-Ray Spectrometry</i> , 1999, 28, 198-202.	1.4	17

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55	Measurement of atomic L shell fluorescence (i_{1001} , i_{1002} , i_{1003}) and Auger (a_1 , a_2 and a_3) yields for some elements in the atomic number range $59 \leq Z \leq 85$. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2000, 55, 1869-1877.	2.9	17
56	Chemical effects on L α , L β , L γ , L δ , and L ϵ X-ray production cross-sections and L δ / L α X-ray intensity ratios of Hg, Pb and Bi compounds at 59.54 keV. European Physical Journal D, 2003, 26, 231-236.	1.3	17
57	Determination of probabilities of vacancy transfer from K to L shell using K X-ray intensity ratios. European Physical Journal D, 2006, 37, 371-375.	1.3	17
58	Attractive method for thickness-independent permittivity measurements of solid dielectric materials. Sensors and Actuators A: Physical, 2014, 206, 107-120.	4.1	17
59	Direct determination of total atomic attenuation, total atomic photoelectric and total atomic scattering cross sections of Gd, Tb, Dy and Er at 60 keV. Journal of Radioanalytical and Nuclear Chemistry, 1996, 213, 37-44.	1.5	16
60	Anisotropy of L X-rays of Uranium and Thorium. Applied Spectroscopy Reviews, 1997, 32, 175-182.	6.7	16
61	Calculation of average L shell fluorescence yields for the elements with $25 \leq Z \leq 101$. Journal of Radioanalytical and Nuclear Chemistry, 1999, 242, 219-224.	1.5	16
62	Angular Dependence of L X-ray Relative Intensities of Uranium and Thorium at 59.5 keV. Applied Spectroscopy Reviews, 1997, 32, 159-165.	6.7	15
63	Determination of L3 subshell fluorescence yield of Nd with a Si(Li) detector. Nuclear Instruments & Methods in Physics Research B, 1997, 124, 475-477.	1.4	15
64	Measurement of the K_{β} and K_{γ} X-rays polarization degree and polarization effect on the K_{β}/K_{γ} intensity ratio. Nuclear Instruments & Methods in Physics Research B, 2001, 179, 465-468.	1.4	15
65	Measurement of total, radiative and radiationless (Auger) vacancy transfer probabilities from K to Li sub-shells of Cs, Ba and La. Journal of Analytical Atomic Spectrometry, 2002, 17, 64-68.	3.0	15
66	K shell fluorescence yields for elements with $33 \leq Z \leq 53$ using 59.5keV photons. Radiation Physics and Chemistry, 2002, 65, 27-31.	2.8	15
67	K shell and L subshell and L shell photoeffect cross-sections in the atomic region $40 \leq Z \leq 52$ and $58 \leq Z \leq 68$ at 59.537keV. Nuclear Instruments & Methods in Physics Research B, 2005, 227, 485-489.	1.4	15
68	The domestic livestock resources of Turkey: cattle local breeds and types and their conservation status. Animal Genetic Resources = Ressources Genetiques Animales = Recursos Geneticos Animales, 2012, 50, 65-73.	0.1	15
69	Superconducting properties of $YBa_2Cu_3O_{7-x}$ films deposited on commercial tape substrates, decorated with Pd or Ta nano-islands. Superconductor Science and Technology, 2012, 25, 025018.	3.5	15
70	Reference-plane invariant transmission-reflection method for measurement of constitutive parameters of liquid materials. Sensors and Actuators A: Physical, 2013, 203, 346-354.	4.1	15
71	Nanostructured columnar heterostructures of TiO ₂ and Cu ₂ O enabled by a thin-film self-assembly approach: Potential for photovoltaics. Materials Research Bulletin, 2013, 48, 352-356.	5.2	15
72	Comparative study of single- and double-layer BaFe ₂ O ₉ -Graphite nanocomposites for electromagnetic wave absorber applications. Materials Research Bulletin, 2020, 126, 110843.	5.2	15

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73	Theoretical investigation of structural, electronic, and optical properties of halide cubic perovskite CsPbBr ₃ -xI _x . <i>Materials Science in Semiconductor Processing</i> , 2022, 141, 106442.	4.0	15
74	Experimental investigation of the angular dependence of photon-induced differential cross-sections of L X-rays from U, Th and Bi at 59.5 keV. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1996, 18, 671-676.	0.4	14
75	Analysis of Titanium and Zirconium in Red Mud With Energy Dispersive X-Ray Spectrometry. <i>Instrumentation Science and Technology</i> , 1996, 24, 277-282.	1.8	14
76	L X-ray intensity ratios in heavy elements at 59.5 and 122 keV photons. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1998, 232, 143-146.	1.5	14
77	Measurement of L subshell production cross-section and Costerâ€Kronig transition probability (f ₁₂) for Hg and Au elements at the. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2002, 72, 567-574.	2.3	14
78	Measurement of K to L shell vacancy transfer probabilities for the elements 52â€½Zâ€½68. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2003, 78, 163-169.	2.3	14
79	Measurement of L X-ray production cross sections and Li subshell fluorescence yields. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2003, 130, 111-118.	1.7	14
80	Determination of probabilities of vacancy transfer from the K to the Lisubshell using L x-ray production cross-sections. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 2275-2282.	1.5	14
81	Fast measurement of total atomic attenuation, total atomic photoelectric and total atomic scattering cross sections in the range 58â€½Zâ€½68 using radioisotope X-ray fluorescence. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 152, 202-206.	1.4	13
82	Measurements of L ₃ I, L ₃ I _± , L ₃ I _± ² , L ₂ I _± ² , L ₂ I _± ³ , L ₁ I _± ² , L ₁ I _± ³ , L ₁ I _± ³ , L ₁ x, L ₂ x and L ₃ xx-ray production cross sections and L subshell fluorescence yields for Re, W and Ta at 59.5 keV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, 2081-2088.	1.5	13
83	X-RAY FLUORESCENCE SPECTROMETRY ANALYSIS OF TRACE ELEMENTS IN FLY ASH SAMPLES OF YENIKOY THERMAL POWER PLANTS. <i>Instrumentation Science and Technology</i> , 2001, 29, 433-439.	1.8	13
84	Chemical effect on enhancement of Costerâ€Kronig transition of L ₃ X-rays. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2002, 74, 395-400.	2.3	13
85	Measurement of K shell radiative transition probabilities and K, L ₂ and L ₃ shell/subshell fluorescence yields of some elements in the atomic number range 30 â‰ Z â‰ 40. <i>Analytica Chimica Acta</i> , 2002, 454, 327-334.	5.4	13
86	Title is missing!. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2002, 253, 143-147.	1.5	13
87	Ratios of internal conversion coefficients. <i>Atomic Data and Nuclear Data Tables</i> , 2006, 92, 207-243.	2.4	13
88	The domestic livestock resources of Turkey: goat breeds and types and their conservation status. <i>Animal Genetic Resources = Ressources Genetiques Animales = Recursos Geneticos Animales</i> , 2012, 51, 105-116.	0.1	13
89	Investigation of transmitted, reflected, and absorbed powers of periodic and aperiodic multilayered structures composed of bi-anisotropic metamaterial slab and conventional material. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2015, 13, 106-119.	2.0	13
90	Measurement of L ₁ /L ₁ ± intensity ratios for elements in the region 57 â‰ Z â‰ 92 by a Si(Li) detector. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1997, 52, 201-204.	2.9	12

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91	Measurement of total atomic attenuation, total atomic photoelectric and total atomic scattering cross sections in the range. Nuclear Instruments & Methods in Physics Research B, 1999, 149, 379-382.	1.4	12
92	L-subshell fluorescence yield ratios, $\tilde{\Gamma}_{L1}/\tilde{\Gamma}_{L2}$, $\tilde{\Gamma}_{L1}/\tilde{\Gamma}_{L3}$ and $\tilde{\Gamma}_{L2}/\tilde{\Gamma}_{L3}$, for the elements 55 $\leq Z \leq$ 92. X-Ray Spectrometry, 2001, 30, 427-430.	1.4	12
93	Measurement of $K_{L2}^{22'}/K_{L1}^{22'}$ and $K_{L2}^{22'}/K_{L1}^{21}$ relative intensities with ^{57}Co for heavy elements. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 601-604.	1.5	12
94	X-ray attenuation coefficient measurements for photon energies 4.508 \leq 13.375 keV in Cu, Cr and their compounds and the validity of the mixture rule. Analytica Chimica Acta, 2004, 515, 349-352.	5.4	12
95	Power analysis of multilayer structures composed of conventional materials and bi-anisotropic metamaterial slabs. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 939.	2.1	12
96	The use of MnOOH nanosheets as battery-type electrode for supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 8201-8209.	2.2	12
97	Calibration-Free Time-Domain Free-Space Permittivity Extraction Technique. IEEE Transactions on Antennas and Propagation, 2022, 70, 1565-1568.	5.1	12
98	Improved Method for Permittivity Determination of Dielectric Samples by Free-Space Measurements. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	4.7	12
99	Measurements of L_{3I} , $L_{3I}^{1\pm}$, $L_{3I}^{2\pm}$, $L_{2I}^{2\pm}$, $L_{2I}^{3\pm}$, $L_{1I}^{2\pm}$ and $L_{1I}^{3\pm}$ X-ray production cross-sections for Tl, Pb and Bi elements at 59.5 keV. Nuclear Instruments & Methods in Physics Research B, 2001, 179, 459-464.	1.4	11
100	Determination of level widths and fluorescence yields of some atomic sub-shells for Th and U. Journal of Analytical Atomic Spectrometry, 2002, 17, 400-405.	3.0	11
101	Measurements of Coster-Kronig enhancement factors of some elements in the atomic number range 66 $\leq Z \leq$ 72. X-Ray Spectrometry, 2003, 32, 153-157.	1.4	11
102	Study of Structural and Optical Properties of Zinc Oxide Rods Grown on Glasses by Chemical Spray Pyrolysis. Journal of Nanomaterials, 2012, 2012, 1-5.	2.7	11
103	The domestic livestock resources of Turkey: sheep breeds and cross-breeds and their conservation status. Animal Genetic Resources = Ressources Genetiques Animales = Recursos Geneticos Animales, 2013, 52, 147-163.	0.1	11
104	Determination of constitutive parameters of homogeneous metamaterial slabs by a novel calibration-independent method. AIP Advances, 2014, 4, 107116.	1.3	11
105	Effects of graphite on the synthesis of 1-D single crystal In_2O_3 nanostructures at high temperature. Materials Science in Semiconductor Processing, 2017, 66, 62-68.	4.0	11
106	Silicon-doping influence on the crystalline, surface and optical features of cadmium oxide films deposited by sol-gel spin route. Optik, 2018, 165, 310-318.	2.9	11
107	The hierarchical synthesis of tungsten disulfide coated vertically aligned boron carbon nitride nanotubes composite electrodes for supercapacitors. Journal of Energy Storage, 2022, 52, 104964.	8.1	11
108	Measurement of Coster-Kronig vacancy transfer factor for L_3 subshell X-rays of Au, Hg, Pb, Tl, Bi, Th and U at 59.5 keV. Applied Radiation and Isotopes, 2002, 57, 63-66.	1.5	10

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109	Measurement of total, radiative and radiationless (Auger) vacancy transfer probabilities from K to Li (i=1, 2, 3) subshell of Ho and Er. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 63-71.	2.9	10
110	Measurement of diffusion coefficients of Ag in YBa ₂ Cu ₃ O ₇ by the EDXRF technique. X-Ray Spectrometry, 2003, 32, 363-366.	1.4	10
111	Measurement of the L ₃ to M _i , N and O subshells radiative transition probabilities of elements in the atomic number range 73 ≤ Z ≤ 92. Physica Scripta, 2004, 70, 283-287.	2.5	10
112	Elemental composition of cement Kiln dust, raw material and cement from a coal-fired cement factory using energy dispersive X-ray fluorescence spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 83, 377-385.	2.3	10
113	APPLICATION OF A USEFUL UNCERTAINTY ANALYSIS AS A METRIC TOOL FOR ASSESSING THE PERFORMANCE OF ELECTROMAGNETIC PROPERTIES RETRIEVAL METHODS OF BI-ANISOTROPIC METAMATERIALS. Progress in Electromagnetics Research, 2012, 128, 365-380.	4.4	10
114	Two-step numerical procedure for complex permittivity retrieval of dielectric materials from reflection measurements. Applied Physics A: Materials Science and Processing, 2014, 116, 1701-1710.	2.3	10
115	Determination of Constitutive Parameters of Strong-Coupled Bianisotropic Metamaterials Using Oblique Incidence Scattering Parameters. IEEE Transactions on Antennas and Propagation, 2021, 69, 918-927.	5.1	10
116	Permittivity determination of liquid materials using waveguide measurements for industrial applications. IET Microwaves, Antennas and Propagation, 2010, 4, 141.	1.4	9
117	The domestic livestock resources of Turkey: inventory of pigeon groups and breeds with notes on breeder organizations. World's Poultry Science Journal, 2013, 69, 265-278.	3.0	9
118	Reference-plane-invariant and thickness- and branch-index-independent retrieval of effective parameters of bi-anisotropic metamaterials. AIP Advances, 2015, 5, .	1.3	9
119	Reference-Plane-Invariant Effective Thickness and Electromagnetic Property Determination of Isotropic Metamaterials Involving Boundary Effects. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 301-311.	2.9	9
120	Single-step, large-area, variable thickness sputtered WS ₂ film-based field effect transistors. Ceramics International, 2020, 46, 26854-26860.	4.8	9
121	Propagation constant measurements of reflection-asymmetric and nonreciprocal microwave networks from S-parameters without using a reflective standard. Measurement: Journal of the International Measurement Confederation, 2020, 165, 108126.	5.0	9
122	Measurement of L x-ray Production Cross-sections at 5.96 keV and Average L and M Shell Fluorescence Yields of Elements in the Atomic Number Range 40 ≤ Z ≤ 55. Physica Scripta, 2002, 65, 323-327.	2.5	8
123	Measurement of L shell X-ray fluorescence intensity ratios for some elements in the atomic number range of 66 ≤ Z ≤ 90 by photoionization of consecutive L-subshells. Journal of Radioanalytical and Nuclear Chemistry, 2004, 260, 75-79.	1.5	8
124	Angular dependence of coherent to incoherent scattering differential cross-section ratios for Zr, Nb and Mo elements. Radiation Measurements, 2004, 38, 271-276.	1.4	8
125	Measurement of angular dependence from L ₃ -subshell to M-shell vacancy transfer probabilities for the elements in the atomic region 71 ≤ Z ≤ 78. Journal of Quantitative Spectroscopy and Radiative Transfer, 2005, 90, 161-168.	2.3	8
126	Prediction of water-adulteration within honey by air-line de-embedding waveguide measurements. Measurement: Journal of the International Measurement Confederation, 2021, 179, 109469.	5.0	8

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127	Effect of Mn and Zn doping on natural resonance frequency of strontium U-type hexaferrite and its performance as electromagnetic wave absorbers. <i>Journal of Alloys and Compounds</i> , 2022, 898, 163246.	5.5	8
128	Analysis of Binary Systems with Rayleigh and Compton Scattered Photons. <i>Applied Spectroscopy Reviews</i> , 1995, 30, 1-11.	6.7	7
129	Determination of Coster-Kronig transition probabilities ($L1\alpha^{\prime}L2$, $L1\alpha^{\prime}L3$ and $L2\alpha^{\prime}L3$) for Hg and Bi in molecules. <i>X-Ray Spectrometry</i> , 2002, 31, 71-74.	1.4	7
130	L X-ray intensity ratios for elements in the range $74\frac{1}{2}Z\frac{1}{2}92$ at 31.635 keV. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004, 222, 432-436.	1.4	7
131	Iron electrodiffusion of bulk YBaCuO superconductor under different magnetic fields. <i>Materials Letters</i> , 2006, 60, 1778-1781.	2.6	7
132	Characterization of Porous Silicon Fabry-Pérot Optical Sensors for Reflectivity and Transmittivity Measurements. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 174-183.	2.9	7
133	Semi-Infinite Reflection Coefficients of Bi-Anisotropic Metamaterial Slabs Including Boundary Effects. <i>IEEE Microwave and Wireless Components Letters</i> , 2015, 25, 283-285.	3.2	7
134	Method for Electromagnetic Property Extraction of Sublayers in Metal-Backed Inhomogeneous Metamaterials. <i>IEEE Access</i> , 2020, 8, 151705-151718.	4.2	7
135	Influence of B ₂ O ₃ Addition on the Properties of TiO ₂ Thick Film at Various Annealing Temperatures for Hydrogen Sensing. <i>Journal of Electronic Materials</i> , 2020, 49, 3340-3349.	2.2	7
136	Determination of L ₂ to L ₃ Coster-Kronig yield of Pr. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2002, 125, 69-73.	1.7	6
137	Measurement of L subshell x-ray production cross-sections at energy 31.635 keV and L subshell fluorescence yields for elements $74 \leq Z \leq 92$. <i>X-Ray Spectrometry</i> , 2002, 31, 53-56.	1.4	6
138	Inelastic scattering of photons at small momentum transfers by Ti, Fe and Ni elements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2002, 75, 741-746.	2.3	6
139	Measurement of K, L and higher shell photoionisation cross-sections at 59.5 keV. <i>Analytica Chimica Acta</i> , 2003, 491, 239-244.	5.4	6
140	L-subshell and total L-shell photoeffect cross-sections measurements for Pb, Au, W, and Ta at. <i>Radiation Physics and Chemistry</i> , 2003, 66, 197-205.	2.8	6
141	Measurements of Coster-Kronig enhancement factors of some elements in the atomic number range $74\frac{1}{2}Z\frac{1}{2}90$. <i>Radiation Physics and Chemistry</i> , 2004, 69, 17-21.	2.8	6
142	Measurements of K X-ray fluorescence cross sections of Fe, Co, and Ni in an external magnetic field. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 279, 171-178.	1.5	6
143	Effect of different housing systems on fattening performance, slaughter and carcass characteristics of AkkeSi (White Goat) male kids. <i>Tropical Animal Health and Production</i> , 2011, 43, 591-596.	1.4	6
144	Permeability Measurement of Split-Ring Resonator Metamaterials from Free-Space Transmission-Only Calibration-Independent Methods. <i>Journal of Electromagnetic Waves and Applications</i> , 2012, 26, 54-63.	1.6	6

#	ARTICLE	IF	CITATIONS
145	DETERMINATION OF LOW ATOMIC NUMBER ELEMENTS IN ALGAE OF THE KARASU (FIRAT) RIVER USING AN Fe-55 RADIOISOTOPE. Instrumentation Science and Technology, 2001, 29, 441-447.	1.8	5
146	DETERMINATION OF TRACE ELEMENTS OF EMBOLI (CLOT) IN THE CARDIOVASCULAR SYSTEMS OF PATIENTS BY ENERGY DISPERSIVE X-RAY FLUORESCENCE ANALYSIS. Instrumentation Science and Technology, 2002, 30, 449-454.	1.8	5
147	Measurement of L3 subshell fluorescence yields of some elements in the atomic range $57 \leq Z \leq 68$ using photoionisation. Applied Radiation and Isotopes, 2002, 57, 57-61.	1.5	5
148	Measurement of radiative vacancy distributions for the L2,L3 subshell and M shell of some elements with atomic range $41 \leq Z \leq 68$. Journal of Quantitative Spectroscopy and Radiative Transfer, 2002, 74, 139-146.	2.8	5
149	Calculation of M x-ray production cross sections from 1 to 1500 keV in the atomic region $70 \leq Z \leq 92$. X-Ray Spectrometry, 2004, 33, 136-145.	1.4	5
150	Identification of Gases by Porous Optical Sensors Using Reflectivity Difference and Wavelength Shift. IEEE Photonics Technology Letters, 2015, 27, 596-599.	2.5	5
151	Fetal Heart Rate Monitoring System (FHRMS). , 2016, , .		5
152	Investigation of K X-ray intensity ratios of some 4d transition metals depending on the temperature. Applied Radiation and Isotopes, 2016, 115, 147-154.	1.5	5
153	Investigation of coherent to incoherent scattering cross section ratios of some foil metals depending on the temperature. Journal of Physics: Conference Series, 2016, 707, 012007.	0.4	5
154	Analysis of Solution Pattern of Natural Frequencies by a Graphical Method. IEEE Transactions on Antennas and Propagation, 2021, 69, 1209-1212.	5.1	5
155	Laser-induced scanning transfer deposition of silver electrodes on glass surfaces: A green and scalable technology. Applied Surface Science, 2021, 556, 149673.	6.1	5
156	Determination of X-Ray Total Attenuation Coefficient in Zr, Ag, In for Energy Range Between 10.5-111.9 keV. Acta Physica Polonica A, 1998, 93, 693-700.	0.5	5
157	Broadband Soil Permittivity Measurements Using a Novel De-Embedding Line Method. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
158	Measurement of vacancy production probability per photon in the atomic K shell. Journal of Analytical Atomic Spectrometry, 2001, 16, 771-773.	3.0	4
159	MEASUREMENT OF MEAN ATOMIC NUMBER OF COMPOUNDS WITH SCATTERED RADIATION. Instrumentation Science and Technology, 2001, 29, 309-315.	1.8	4
160	MEASUREMENT OF THE ENHANCEMENT EFFECT IN DIFFERENT SAMPLE SERIES IN X-RAY FLUORESCENCE ANALYSIS. Instrumentation Science and Technology, 2001, 19, 99-106.	0.8	4
161	Title is missing!. Journal of Radioanalytical and Nuclear Chemistry, 2002, 252, 545-550.	1.5	4
162	Optical Properties of ZnO Nanorods on Glass Via Spray Deposition of Solution Containing Zinc Chloride and Thiourea. IEEE Nanotechnology Magazine, 2011, 10, 532-536.	2.0	4

#	ARTICLE	IF	CITATIONS
163	Influence of Deposition Pressure (O ₂) on the YBCO (Y123) Thin Films Prepared by Pulsed Laser Deposition. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1873-1877.	1.8	4
164	Magnetic phase transition of mechanically alloyed single sample Co _{0.5} Ni _{0.5} Fe ₂ O ₄ . <i>Results in Physics</i> , 2019, 15, 102683.	4.1	4
165	A comprehensive study of molybdenum boats behavior during service life for continuous thermal evaporation technique, used in thin film technology. <i>Vacuum</i> , 2020, 176, 109167.	3.5	4
166	Synthesis and characterization of graphene/carbon nanotube hybrid: effects of Ni catalyst thickness and H ₂ flow rate on growth and morphological structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 7943-7955.	2.2	4
167	Graphical Method for Examining Complex Natural Frequencies of Dispersive Materials. <i>IEEE Microwave and Wireless Components Letters</i> , 2021, 31, 421-424.	3.2	4
168	Measurement of Propagation Characteristics of Nonreciprocal Networks/Lines Using a Line-Plane Method. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021, 63, 1240-1247.	2.2	4
169	Photocatalytic activity of cobalt aluminate nanoparticles synthesized by microwave-assisted combustion method. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 161, 110482.	4.0	4
170	Determination of total attenuation cross sections of Ti, Fe, Ni, Zn between 4.551-111.898 keV energy range. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1997, 218, 267-272.	1.5	3
171	Measurement of the enhancement effect in different series in X-ray fluorescence analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1998, 237, 147-150.	1.5	3
172	Determination of L ₂ and L ₃ subshell fluorescence yields of some elements in the atomic number range 22-62. <i>Radiation Physics and Chemistry</i> , 2002, 65, 205-209.	2.8	3
173	Measurement of L _α and L _β X-ray fluorescence cross sections in Er, Ta, W and Au by 16.896-59.543 keV photons. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2002, 251, 323-327.	1.5	3
174	Determination of Medium Elements in Algae of Karasu (Fırat) River by EDXRF Using an 241Am Excitation Source. <i>Instrumentation Science and Technology</i> , 2003, 31, 189-196.	1.8	3
175	Calculation of L shell production cross sections for the elements with 40-92 at 1. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 84, 239-246.	2.3	3
176	A Comparative Study on Structural and Optical Properties of ZnO Micro-Nanorod Arrays Grown on Seed Layers Using Chemical Bath Deposition and Spin Coating Methods. <i>Medziagotyra</i> , 2016, 22, .	0.2	3
177	A microstrip patch antenna operation on cylindrical structures based on silicon rubber. , 2018, , .		3
178	Comparative study of a normal solar water heater and smart thermal/thermoelectric hybrid systems. <i>Materials Today: Proceedings</i> , 2020, 30, 1039-1042.	1.8	3
179	Effect of sample deformation in longitudinal axis on material parameter extraction by waveguides. Measurement: <i>Journal of the International Measurement Confederation</i> , 2021, 176, 109175.	5.0	3
180	Fabrication of ZnO nanorods by simplified spray pyrolysis. <i>Bitlis Eren University Journal of Science and Technology</i> , 2011, 1, 1-1.	0.8	3

#	ARTICLE	IF	CITATIONS
181	TiO ₂ /B ₂ O ₃ thick film gas sensor for monitoring carbon monoxide at different operating temperatures. Journal of Physics: Conference Series, 2020, 1432, 012040.	0.4	3
182	Performance and feasibility study of a new hybrid solar water heater integrated a small water turbine. Energy Storage, 2022, 4, .	4.3	3
183	Easy-to-Implement Ultra-Thin, Wide-Band, and Multi-Functional Polarization Converter for K and Ka Band Applications. Advanced Theory and Simulations, 2022, 5, .	2.8	3
184	Comparative analysis of hydrogen sensing based on treated-TiO ₂ in thick film gas sensor. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	3
185	Determination of total attenuation cross section of carbon using secondary excitors in the energy range 4.5-60 keV. Journal of Radioanalytical and Nuclear Chemistry, 1997, 219, 111-114.	1.5	2
186	MEASUREMENT OF L-SUBSHELL X-RAY FLUORESCENCE CROSS SECTIONS AND L-SUBSHELL FLUORESCENCE YIELDS FOR THE ELEMENTS IN THE ATOMIC RANGE 73-92 AT 60 KeV. Instrumentation Science and Technology, 2001, 29, 215-222.	1.8	2
187	EXPERIMENTAL STUDY ON COHERENT SCATTERING OF 59.54 keV GAMMA RAYS BY Ag, In, AND Sn. Instrumentation Science and Technology, 2001, 29, 407-414.	1.8	2
188	Measurement of Alignment Parameter for Photon Induced L3 Vacancies in the Elements 59 - 92. Physica Scripta, 2002, 66, 289-292.	2.5	2
189	Measurement of Li subshell photoionization cross-sections of W, Au and Bi at 31.6keV. Radiation Physics and Chemistry, 2002, 65, 123-126.	2.8	2
190	Trace elemental analysis of mitral valves by EDXRF. Spectroscopy, 2008, 22, 57-62.	0.8	2
191	Average 2p subshells fluorescence yield values of some elements in the atomic number range 60-90. Journal of Electron Spectroscopy and Related Phenomena, 2010, 177, 19-23.	1.7	2
192	Simple procedure for robust and accurate complex permittivity measurements of low-loss materials over a broad frequency band. Journal of Electromagnetic Waves and Applications, 2014, 28, 903-915.	1.6	2
193	Constitutive parameters determination of bi-anisotropic metamaterials using a waveguide method. , 2015, , .		2
194	Investigation of temperature, catalyst thickness and substrate effects in In ₂ O ₃ nanostructures. Journal of Physics and Chemistry of Solids, 2017, 111, 439-446.	4.0	2
195	Synthesis of ultra-long boron nanowires as supercapacitor electrode material. Applied Surface Science, 2019, 493, 787-794.	6.1	2
196	Simple and Accurate Electromagnetic Characterization of Omega-Class Bianisotropic Metamaterials Using the State Transition Matrix Method. IEEE Transactions on Antennas and Propagation, 2021, 69, 7064-7067.	5.1	2
197	Fabrication and Analysis Of 2D/3D Heterojunction Between Continuous Few-layer WS ₂ Film and Si (100). Hittite Journal of Science & Engineering, 2021, 8, 01-05.	0.5	2
198	Determination of the effect of temperature on relative L X-ray intensity ratio of gadolinium, dysprosium and erbium. Radiation Physics and Chemistry, 2021, 183, 109389.	2.8	2

#	ARTICLE	IF	CITATIONS
199	Ultra-conductive wires with cascaded carbon nanotube/Cu structure. <i>Diamond and Related Materials</i> , 2021, 120, 108711.	3.9	2
200	Determination of Propagation Constants and Wave Impedance of Non-Reciprocal Networks From Position-Insensitive Waveguide Measurements. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022, 70, 2723-2731.	4.6	2
201	Anisotropy of L, Lalpha, Leta, Lgamma x-rays in Pb and Bi Excited by 59.5 keV Photons. <i>Turkish Journal of Physics</i> , 1997, 21, 717-723.	1.1	2
202	The effect of deposition time on the growth and properties of copper doped zinc sulfide thin films deposited via spray pyrolysis. <i>Materials Chemistry and Physics</i> , 2022, , 126481.	4.0	2
203	Thermally Processed Quantum-Dot Polypropylene Composite Color Converter Film for Displays. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31160-31169.	8.0	2
204	Scattering contribution of fluorescent radiation to XRF intensity in Ge(Li) detectors. <i>Physica Scripta</i> , 1997, 55, 547-549.	2.5	1
205	Enhanced critical current density using Nd ₂ O ₃ nano-islands on NdBa ₂ Cu ₃ O _{7-δ} thin films prepared by PLD. <i>EPJ Applied Physics</i> , 2013, 62, 10403.	0.7	1
206	Detecting Hydrogen Using TiO ₂ -B ₂ O ₃ at Different Operating Temperature. , 2018, , .		1
207	Two Dimensional Ti ₃ C ₂ T _x MXene Electrode For Supercapacitor Application. , 2019, , .		1
208	Parameter Retrieval of Samples on a Substrate From Reflection-Only Waveguide Measurements. <i>IEEE Microwave and Wireless Components Letters</i> , 2021, 31, 320-323.	3.2	1
209	Investigation of the Dependence of Ambipolarity on Channel Thickness for TMDC Based Field Effect Transistors. <i>Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi</i> , 0, , .	0.2	1
210	In-situ thin film copper-copper thermocompression bonding for quantum cascade lasers. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 15605-15614.	2.2	1
211	New formalism for characterization of simple non-reciprocal networks free from singularity-point problem. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 177, 109309.	5.0	1
212	Coupling analysis between resonating metamaterial slabs using scattering parameters. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 182, 109562.	5.0	1
213	Effect of nanometric and micronic particles size on physical and electrical properties of graphite thick film. <i>International Journal of Nanotechnology</i> , 2020, 17, 825.	0.2	1
214	Reply to "Comment on "Coster-Kronig L-shell yield of Dy, W, and Bi". <i>Physical Review A</i> , 2002, 65, .	2.5	0
215	Measurement of L ₃ to M shell vacancy transfer probabilities of Th and U. <i>Radiochimica Acta</i> , 2002, 90, 885-887.	1.2	0
216	Inelastic and elastic scattering differential cross-sections of 59.5 keV photons for Cu and Zn targets. <i>X-Ray Spectrometry</i> , 2004, 33, 349-353.	1.4	0

#	ARTICLE	IF	CITATIONS
217	A study on anisotropy of L2 to L3 Coster-Kronig transition (f_{23}) for Th and U elements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 86, 353-359.	2.3	0
218	Artificial pinning centers for superconducting microwave resonators. , 2013, , .		0
219	Microelectrod fabrication for diagnosis and treatment of brain disorders. , 2015, , .		0
220	Fabrication of superconducting YBCO microwave microstrip resonators. , 2015, , .		0
221	Improving the limit of detection (LOD) of microsensor used in detection of brain diseases via wavelet filter. , 2015, , .		0
222	The preparation of hard and superhydrophilic MgB_2 coating by spray pyrolysis deposition. Materialwissenschaft Und Werkstofftechnik, 2016, 47, 808-814.	0.9	0
223	A device for X-Ray elemental mapping using annular radioisotope source. X-Ray Spectrometry, 2017, 46, 486-491.	1.4	0
224	Effect of the Sensing Layer Resistivity on Sensitivity in DSAWR Sensors. , 2019, , .		0
225	A carbon dioxide detector fabrication with screen printing technique for use in airplanes. Aircraft Engineering and Aerospace Technology, 2021, ahead-of-print, .	1.2	0
226	Angular Dependence of L_{α}/L_{β} , L_{α}/L_{η} , L_{α}/L_{γ} , L_{η}/L_{γ} Intensity Ratios of Tl and Au at 59.5 keV. Turkish Journal of Physics, 1996, 20, 1136-1140.	1.1	0
227	An improvement of current driving and electrical conductivity properties incovetics. Turkish Journal of Physics, 2021, 45, 366-377.	1.1	0