

# Nuray Kup Aylikci

## List of Publications by Year in descending order

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31  
papers

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citations

933447

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h-index

940533

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g-index

33  
all docs

33  
docs citations

33  
times ranked

149  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microhydrogen production with water splitting from daily used waste aluminum. International Journal of Hydrogen Energy, 2021, , .	7.1	7
2	Updated database, new empirical and theoretical values of average L shell fluorescence yields of elements with $23 \leq Z \leq 96$ . Radiation Physics and Chemistry, 2020, 166, 108495.	2.8	1
3	$\frac{I_{K\alpha_1}}{I_{K\alpha_2}}$ and $\frac{I_{K\beta_1}}{I_{K\beta_2}}$ intensity ratios for elements 16S to 92U. Journal of Radiation Research and Applied Sciences, 2014, 7, 346-362.	2.4	6
4	Semi-empirical determination of $K_{\alpha_1,2}$ , $K_{\alpha_1,3}$ , and $K_{\alpha_1,4}$ X-ray natural line widths for various elements between $29 \leq Z \leq 74$ at 123.6 keV. Spectroscopy Letters, 2019, 52, 346-355.		
5	The semi-empirical determination of KLL Auger, $K_{\alpha_1}$ and $K_{\alpha_2}$ X-ray line widths for sulfur atom in new 1,2,4-triazol compounds containing thiophene ring. Chemical Physics Letters, 2018, 706, 40-46.	2.6	2
6	Empirical K-shell production cross sections induced by 2-5 MeV alpha on elements of $Z = 25$ to 30. AIP Conference Proceedings, 2018, , .	0.4	0
7	5.96 keV Enerjide Hg, Pb and Bi Elementlerine ait Bileşimlerin Ortalama M Kabuğu Floresans Verimlerinin Araştırılması ve $^{92}\text{U}$ Arasındaki Elementlerin Ortalama M Kabuğu Floresans Verimlerinin Deney Olarak Hesaplanması. Cumhuriyet Science Journal, 2018, 39, 745-755.		0
8	Determination of natural line widths of $K_{\alpha}$ X-ray lines for some elements in the atomic range $50 \leq Z \leq 65$ at 59.5 keV. AIP Conference Proceedings, 2017, , .	0.4	1
9	The ratios of emission probabilities of Auger electrons for 3d transition elements at 59,5 keV. AIP Conference Proceedings, 2017, , .	0.4	0
10	The investigation of K-shell fluorescence parameters of Zn-Fe alloys with different grain size and microstrain values. X-Ray Spectrometry, 2017, 46, 242-251.	1.4	8
11	L <sub>1</sub> , L <sub>2</sub> , and L <sub>3</sub> subshell fluorescence yields: Updated database and new empirical values. Radiation Physics and Chemistry, 2016, 125, 227-251.	2.8	6
12	Empirical, Semi-Empirical and Experimental Determination of K X-Ray Fluorescence Parameters of Some Elements in the Atomic Range $21 \leq Z \leq 30$ . Spectroscopy Letters, 2015, 48, 331-342.	1.0	18
13	Ytterbium to thorium semi-empirical average M-shell fluorescence yields. Radiation Physics and Chemistry, 2015, 112, 71-75.	2.8	2
14	Calculation of K-shell fluorescence yields for low-Z elements. AIP Conference Proceedings, 2015, , .	0.4	0
15	New K-shell fluorescence yields curve for elements with $3 \leq Z \leq 99$ . Journal of the Korean Physical Society, 2015, 67, 1537-1543.	0.7	7
16	Empirical and semi-empirical interpolation of L X-ray fluorescence parameters for elements in the atomic range $50 \leq Z \leq 92$ . Radiation Physics and Chemistry, 2015, 106, 99-125.	2.8	10
17	New procedure calculation of photon-induced $K_{\alpha_1}/K_{\alpha_2}$ intensity ratios for elements 16S to 92U. Journal of Radiation Research and Applied Sciences, 2014, 7, 346-362.	1.2	6
18	New empirical formulae for calculation of average M-shell fluorescence yields. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 145, 205-213.	2.3	6

#	ARTICLE	IF	CITATIONS
19	Alloying effect on K X-ray intensity ratio and production cross section values of Zn and Cr in Zn <sup>n</sup> -Cr alloys. Radiation Physics and Chemistry, 2013, 87, 6-15.	2.8	11
20	Structure and anion effect on conductivity and K and L shell fluorescence parameters at green solvents. Chemical Physics Letters, 2013, 556, 365-371.	2.6	4
21	Updated database and new empirical values for K-shell fluorescence yields. Radiation Physics and Chemistry, 2012, 81, 713-727.	2.8	36
22	Chemical effects on the L-shell X-ray fluorescence parameters of Ta and W compounds. Journal of Electron Spectroscopy and Related Phenomena, 2012, 184, 556-560.	1.7	14
23	K-shell X-ray fluorescence parameters of some heavy elements and compounds. Radiation Physics and Chemistry, 2011, 80, 328-334.	2.8	20
24	Effect of $p$ H treatment on $K$ shell x-ray intensity ratios and $K$ shell x-ray production cross sections in ZnCo alloy	2.5	17
25	Investigation on L-shell X-ray fluorescence parameters for heavy elements and compounds. Chemical Physics Letters, 2010, 498, 107-112.	2.6	20
26	Alloying effect on K X-ray intensity ratios, K X-ray production cross-sections and radiative Auger ratios in superalloys constitute from Al, Ni and Mo elements. Chemical Physics, 2010, 377, 100-108.	1.9	16
27	Alloying effect on K shell X-ray fluorescence parameters and radiative Auger ratios of Co and Zn in Zn <sub>x</sub> Co <sub>1-x</sub> alloys. Chemical Physics Letters, 2010, 484, 368-373.	2.6	24
28	Chemical Effect on K Shell X-ray Fluorescence Parameters and Radiative Auger Ratios of Co, Ni, Cu, and Zn Complexes. Chinese Journal of Chemical Physics, 2010, 23, 138-144.	1.3	15
29	Influence of chemical effect on the K-shell X-ray production cross-sections and radiative Auger ratios of Zn complexes. Chemical Physics, 2009, 365, 144-149.	1.9	7
30	Influence of alloying effect on X-ray fluorescence parameters of Co and Cu in CoCuAg alloy films. Chemical Physics Letters, 2009, 475, 135-140.	2.6	16
31	The Semi-Empirical Determination of $K_{\alpha}$ X-ray, KLL Auger Line and L subshell level widths for 3d transition elements at 59.5 keV. Celal Bayar Universitesi Fen Bilimleri Dergisi, 0, , 57-64.	0.5	2