

Ibrahim Han

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

691
citations

623734

14
h-index

580821

25
g-index

38
all docs

38
docs citations

38
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of mass attenuation coefficients, effective atomic and electron numbers for some natural minerals. Radiation Physics and Chemistry, 2009, 78, 760-764.	2.8	71
2	Determination of mass attenuation coefficients, effective atomic and electron numbers for Cr, Fe and Ni alloys at different energies. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 3-8.	1.4	61
3	Measurement of K X-ray fluorescence cross-sections, fluorescence yields and intensity ratios for some elements in the atomic range $22 \leq Z \leq 68$. Applied Radiation and Isotopes, 2007, 65, 669-675.	1.5	59
4	Mass attenuation coefficients, effective atomic and electron numbers of Ti and Ni alloys. Radiation Measurements, 2009, 44, 289-294.	1.4	51
5	Studies on effective atomic numbers, electron densities from mass attenuation coefficients in Ti_xCo_{1-x} and $CoxCu_{1-x}$ alloys. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 3505-3510.	1.4	44
6	Measurements of L X-ray production cross sections, L subshell fluorescence yields and K to L shell vacancy transfer probabilities. Radiation Physics and Chemistry, 2007, 76, 1551-1559.	2.8	39
7	Determination of effective atomic numbers for 3d transition metal alloys with a new semi-empirical approach. Annals of Nuclear Energy, 2012, 39, 56-61.	1.8	33
8	Experimental investigation of radiation shielding performances of some important AISI-coded stainless steels: Part I. Radiation Physics and Chemistry, 2020, 166, 108455.	2.8	30
9	Mass attenuation coefficients, effective atomic numbers and electron densities of undoped and differently doped GaAs and InP crystals. Annals of Nuclear Energy, 2009, 36, 869-873.	1.8	26
10	Studies on effective atomic numbers, electron densities and mass attenuation coefficients in Au alloys. Journal of X-Ray Science and Technology, 2010, 18, 39-46.	1.0	25
11	Valence-electron configuration of Fe, Cr, and Ni in binary and ternary alloys from $\langle \text{mml:math display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -to- $\langle \text{mml:math display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{I} \pm \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ x-ray intensity ratios. Physical Review A, 2009, 80, .	2.5	24
12	Determination of K shell absorption jump factors and jump ratios of 3d transition metals by measuring K shell fluorescence parameters. Applied Radiation and Isotopes, 2015, 95, 193-199.	1.5	17
13	Alloying effect on K to L shell vacancy transfer probabilities in 3d transition metals. Radiation Physics and Chemistry, 2010, 79, 1174-1179.	2.8	16
14	Measurement of \hat{L}_1 , \hat{L}_2 and Total L X-ray fluorescence cross-sections for some elements with $40 \leq Z \leq 53$. Radiation Physics and Chemistry, 2010, 79, 393-396.	2.8	15
15	Charge transfer and delocalization studies from \hat{K}_1^2 -to- \hat{K}_1 intensity ratios in $CoxCu_{1-x}$ alloys. Annals of Nuclear Energy, 2010, 37, 822-826.	1.8	15
16	Effect of external magnetic field on valence-electron structures of Fe and Ni in Invar, Permalloy and the other Fe-Ni alloys by using \hat{K}_1^2 -to- \hat{K}_1 X-ray intensity ratios. Applied Radiation and Isotopes, 2016, 112, 5-12.	1.5	15
17	Delocalization and charge transfer studies of PERMENDUR49, KOVAR and Ti50Co50 alloys from relative K X-ray intensity ratios. Journal of Alloys and Compounds, 2017, 695, 2619-2627.	5.5	14
18	The polarization of X-rays and magnetic photoionization cross-sections for L3 sub-shell. Applied Radiation and Isotopes, 2009, 67, 1027-1032.	1.5	13

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19	Valence-electron configuration of Ti and Ni in Ti_xNi_{1-x} alloys from K^{L_2} -to- K^{L_1} X-ray intensity ratio studies. Applied Radiation and Isotopes, 2010, 68, 1035-1039.	1.5	13
20	Relative X-ray intensity studies on valence-electron structure of Ti and Co in Ti_xCo_{1-x} alloys. Physical Review A, 2010, 82, .	2.5	13
21	Measurement of L subshell fluorescence yields for high-Z elements excited by 22.6keV photons. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 373-381.	2.3	13
22	Effect of annealing treatment on K^{L_2} -to- K^{L_1} X-ray intensity ratios of 3d transition-metal alloys. Physical Review A, 2010, 81, .	2.5	12
23	Measurement of L subshell fluorescence cross sections and intensity ratios of heavy elements at 22.6keV. Radiation Physics and Chemistry, 2011, 80, 692-700.	2.8	12
24	Evaluation the gamma, charged particle and fast neutron shielding performances of some important AISI-coded stainless steels: Part II. Radiation Physics and Chemistry, 2020, 166, 108454.	2.8	12
25	Angular variations of K and L X-ray fluorescence cross sections for some lanthanides. Canadian Journal of Physics, 2008, 86, 361-367.	1.1	8
26	Measurement of L X-ray fluorescence cross sections and relative intensities for some elements in the atomic range $78 \leq Z \leq 92$. Journal of Electron Spectroscopy and Related Phenomena, 2008, 162, 44-48.	1.7	7
27	Determination of Chemical Effect on the K^{L_2}/K^{L_1} , K^{L_2}/K^{L_1} , K^{L_2}/K^{L_1} and K^{L_2}/K^{L_1} X-Ray Intensity Ratios of 4d Transition Metals. Spectroscopy Letters, 2011, 44, 38-46.	1.0	7
28	Measurements of K shell absorption jump factors and jump ratios using EDXRF technique. European Physical Journal D, 2015, 69, 1.	1.3	6
29	Investigation of Comet Wild-2 in terms of effective atomic numbers. Advances in Space Research, 2015, 56, 2275-2287.	2.6	6
30	Angular dependence of $L_{\{3\}}$ -subshell X-ray emission following photoionisation. Journal of X-Ray Science and Technology, 2011, 19, 13-21.	1.0	3
31	Investigation of alloying effects on XRF parameters of 3d transition metals in Permendur49, Kovar and Ti50Co50 alloys. Journal of Radiation Research and Applied Sciences, 2018, 11, 144-149.	1.2	3
32	A study on the mean free path and half value layer at various alloys for different photon energies. Journal of X-Ray Science and Technology, 2011, 19, 501-508.	1.0	2
33	Magnetic and Structural Analysis of Cu_xNi_{1-x} and $Cu_yNi_zMn_{1-y-z}$ Alloys Using EPR, XRD and SEM Methods. Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 951-957.	1.5	2
34	Alloying effect on K shell X-ray fluorescence cross-sections and yields in Ti-Ni based shape memory alloys. Journal of Radiation Research and Applied Sciences, 2018, 11, 150-156.	1.2	2
35	Angular Distribution of Fluorescent L X-Rays and Compton-Scattering Photons. Spectroscopy Letters, 2011, 44, 95-102.	1.0	1
36	Determination of K shell XRF parameters and K to L shell vacancy transfer probabilities of ferromagnetic 3d transition metals. AIP Conference Proceedings, 2017, , .	0.4	1

#	ARTICLE	IF	CITATIONS
37	Comparison of Martian meteorites with earth composition: Study of effective atomic numbers in the energy range 1 keV-100 GeV. AIP Conference Proceedings, 2016, , .	0.4	0
38	Analysis of molecular, Woods-Saxon and squared Woods-Saxon potentials on ${}^7\text{Be}$ elastic scattering by ${}^{10}\text{B}$, ${}^{14}\text{N}$, and ${}^{208}\text{Pb}$. AIP Conference Proceedings, 2017, , .	0.4	0