Mustafa Hicabi BÃ¶lÃ¼kdemir

List of Publications by Year
in descending order

36 papers	236 citations	1040056 9 h-index	1058476 14 g-index
36 all docs	36 docs citations	36 times ranked	106 citing authors

#	Article	IF	Citations
1	Investigation of the effects of biomaterials on proton Bragg peak and secondary neutron production by the Monte Carlo method in the slab head phantom. Applied Radiation and Isotopes, 2022, 180, 110060.	1.5	1
2	A study on heat capacity of oxide and nitride nuclear fuels by using Einstein-Debye approximation. Nuclear Engineering and Technology, 2020, 52, 1208-1212.	2.3	8
3	Calculation of thermophysical properties of copper compounds in CuCl production cycle. Journal of Physics and Chemistry of Solids, 2018, 112, 258-261.	4.0	5
4	A compact RF power coupler design for the SANAEM RFQ accelerator. AIP Conference Proceedings, 2018, , .	0.4	0
5	Kinetic Study on the OSL Technique Using Human Blood Sample. NeuroQuantology, 2018, 16, .	0.2	0
6	Electromagnetic simulations, manufacturing and low power measurements of a 352.21 MHz RF power coupler for the SANAEM RFQ project. Journal of Instrumentation, 2018, 13, T10005-T10005.	1.2	0
7	Measurement of the distribution of radiation in the area surrounding the target mass using optically stimulated luminescence technique. Applied Radiation and Isotopes, 2017, 119, 23-27.	1.5	0
8	Direct Determination of Radiation Dose in Human Blood. NeuroQuantology, 2016, 14, .	0.2	1
9	The effects of plaster on radiation doses given to patients. Turkish Journal of Physics, 2015, 39, 31-36.	1.1	2
10	Usage of attenuation coefficients of some tissue-equivalent materials. Turkish Journal of Physics, 2015, 39, 69-74.	1.1	5
11	Effects of different types of nuclear radiations on optically stimulated luminescence. Turkish Journal of Physics, 2013, 37, 363-367.	1.1	0
12	Measurement of dose given by Co-60 in radiotherapy with TLD-500. Radiation Physics and Chemistry, 2012, 81, 355-357.	2.8	7
13	The effect of the initial exciton numbers on 54,56Fe(p, xp) Pre-Equilibrium Reactions. Physics of Atomic Nuclei, 2011, 74, 209-215.	0.4	3
14	Investigation of Some Structural Fusion Materials for (n, Î±) Reactions at the 14â€“15ÂMeV Energy Region. Journal of Fusion Energy, 2011, 30, 26-33.	1.2	9
15	Neutron skin effect of some Mo isotopes in pre-equilibrium reactions. Pramana - Journal of Physics, 2011, 76, 457-469.	1.8	3
16	Investigation of the neutron emission spectra of some deformed nuclei for (n,xn) reactions up to 26 MeV energy. Indian Journal of Physics, 2011, 85, 1615-1629.	1.8	13
17	Production cross sections of medical ^{110,111}In radionuclides. Kerntechnik, 2010, 75, 103-108.	0.2	9
18	Investigation of coulomb and pairing effects using new developed empirical formulas for proton-induced reaction cross sections. Physics of Atomic Nuclei, 2010, 73, 412-419.	0.4	7

#	Article	IF	Citations
19	Improved Formula for (n,3He) Fusion Reactions Cross Sections Using Optical Model. Journal of Fusion Energy, 2010, 29, 13-18.	1.2	13
20	Excitation Functions of Some Neutron Production Targets on (d,2n) Reactions. Journal of Fusion Energy, 2010, 29, 181-187.	1.2	8
21	An alternative view on the kinetics of optical stimulated luminescence decay. Journal of Radioanalytical and Nuclear Chemistry, 2010, 285, 563-568.	1.5	2
22	Theoretical cross sections of 209Bi, 232Th, 235U and 238U on deuteron-induced reactions. Annals of Nuclear Energy, 2010, 37, 534-539.	1.8	15
23	CALCULATION OF NUCLEAR LEVEL DENSITY PARAMETERS OF SOME LIGHT DEFORMED MEDICAL RADIONUCLIDES USING COLLECTIVE EXCITATION MODES OF OBSERVED NUCLEAR SPECTRA. Modern Physics Letters A, 2009, 24, 2681-2691.	1.2	5
24	Investigation of neutron skin effect with density dependence by using a new calculation method for initial exciton numbers on pre-equilibrium reactions. Physica Scripta, 2009, 80, 065201.	2.5	4
25	New Evaluated Semi-Empirical Formula Using Optical Model for 14â€“15ÂMeV (n, t) Reaction Cross Sections. Journal of Fusion Energy, 2009, 28, 377-384.	1.2	12
26	The Study of (n,d) Reaction Cross Sections for New Evaluated Semi-Empirical Formula Using Optical Model. Journal of Fusion Energy, 2009, 28, 398-403.	1.2	4
27	Calculation of Radii and Density of 7â€“19 B Isotopes Using Effective Skyrme Force. Communications in Theoretical Physics, 2008, 49, 696-702.	2.5	21
28	SEMI-EMPIRICAL SYSTEMATICS OF (n, 2n), (n, Î±) REACTIONS CROSS SECTIONS AT 14â€“15 MeV NEUTRON ENERGY. International Journal of Modern Physics E, 2008, 17, 567-583.	1.0	48
29	Equivalent Dose Determination Using Components of IRSL Decay Curves. AIP Conference Proceedings, 2007, , .	0.4	0
30	Effects of beta-ray irradiation on the Câ€“V and G/Ï‰â€“V characteristics of Au/SiO2/n-Si (MOS) structures. Nuclear Instruments & Methods in Physics Research B, 2007, 254, 273-277.	1.4	5
31	Irradiation effect on dielectric properties and electrical conductivity of Au/SiO2/n-Si (MOS) structures. Nuclear Instruments & Methods in Physics Research B, 2007, 264, 73-78.	1.4	6
32	IRSL characteristics of NaCl and KCl relative to dosimeter. Radiation Measurements, 2007, 42, 29-34.	1.4	10
33	Infrared stimulated luminescence-decay shape from NaCl as a function of radiation doses. Radiation Measurements, 2007, 42, 1723-1726.	1.4	9
34	Activation energy of NaCl as a function of radiation dose. Journal of Radioanalytical and Nuclear Chemistry, 2006, 270, 413-416.	1.5	1
35	Application of the luminescence single-aliquot technique for dose estimation in the Marmara Sea. Journal of Environmental Radioactivity, 2005, 84, 409-416.	1.7	0
36	Comparison of the decay-rate parameter of the luminescence signal generated by various laboratory radiation doses. Journal of Radioanalytical and Nuclear Chemistry, 2005, 265, 399-403.	1.5	0