

Mustafa Hicabi Bâglâkdemir

List of Publications by Year in descending order

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36
papers

236
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106
citing authors

#	ARTICLE	IF	CITATIONS
1	SEMI-EMPIRICAL SYSTEMATICS OF $(n, 2n)$, $(n, \hat{1}\pm)$ REACTIONS CROSS SECTIONS AT $14\hat{1}5$ MeV NEUTRON ENERGY. International Journal of Modern Physics E, 2008, 17, 567-583.	1.0	48
2	Calculation of Radii and Density of $7\hat{1}9$ B Isotopes Using Effective Skyrme Force. Communications in Theoretical Physics, 2008, 49, 696-702.	2.5	21
3	Theoretical cross sections of 209Bi , 232Th , 235U and 238U on deuteron-induced reactions. Annals of Nuclear Energy, 2010, 37, 534-539.	1.8	15
4	Improved Formula for $(n,3\text{He})$ Fusion Reactions Cross Sections Using Optical Model. Journal of Fusion Energy, 2010, 29, 13-18.	1.2	13
5	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
6	New Evaluated Semi-Empirical Formula Using Optical Model for $14\hat{1}5$ MeV (n, t) Reaction Cross Sections. Journal of Fusion Energy, 2009, 28, 377-384.	1.2	12
7	IRSL characteristics of NaCl and KCl relative to dosimeter. Radiation Measurements, 2007, 42, 29-34.	1.4	10
8	Infrared stimulated luminescence-decay shape from NaCl as a function of radiation doses. Radiation Measurements, 2007, 42, 1723-1726.	1.4	9
9	Production cross sections of medical $^{110,111}\text{In}$ radionuclides. Kerntechnik, 2010, 75, 103-108.	0.2	9
10	Investigation of Some Structural Fusion Materials for $(n, \hat{1}\pm)$ Reactions at the $14\hat{1}5$ MeV Energy Region. Journal of Fusion Energy, 2011, 30, 26-33.	1.2	9
11	Excitation Functions of Some Neutron Production Targets on $(d,2n)$ Reactions. Journal of Fusion Energy, 2010, 29, 181-187.	1.2	8
12	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
13	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
14	Measurement of dose given by Co-60 in radiotherapy with TLD-500. Radiation Physics and Chemistry, 2012, 81, 355-357.	2.8	7
15	Irradiation effect on dielectric properties and electrical conductivity of Au/SiO ₂ /n-Si (MOS) structures. Nuclear Instruments & Methods in Physics Research B, 2007, 264, 73-78.	1.4	6
16	Effects of beta-ray irradiation on the $C\hat{1}V$ and $G/\%\hat{1}V$ characteristics of Au/SiO ₂ /n-Si (MOS) structures. Nuclear Instruments & Methods in Physics Research B, 2007, 254, 273-277.	1.4	5
17	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
18	Usage of attenuation coefficients of some tissue-equivalent materials. Turkish Journal of Physics, 2015, 39, 69-74.	1.1	5

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	The effect of the initial exciton numbers on $^{54,56}\text{Fe}(p, xp)$ Pre-Equilibrium Reactions. Physics of Atomic Nuclei, 2011, 74, 209-215.	0.4	3
23	Neutron skin effect of some Mo isotopes in pre-equilibrium reactions. Pramana - Journal of Physics, 2011, 76, 457-469.	1.8	3
24	An alternative view on the kinetics of optical stimulated luminescence decay. Journal of Radioanalytical and Nuclear Chemistry, 2010, 285, 563-568.	1.5	2
25	The effects of plaster on radiation doses given to patients. Turkish Journal of Physics, 2015, 39, 31-36.	1.1	2
26	Activation energy of NaCl as a function of radiation dose. Journal of Radioanalytical and Nuclear Chemistry, 2006, 270, 413-416.	1.5	1
27	Direct Determination of Radiation Dose in Human Blood. NeuroQuantology, 2016, 14, .	0.2	1
28	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
29	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
30	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
31	Equivalent Dose Determination Using Components of IRSL Decay Curves. AIP Conference Proceedings, 2007, , .	0.4	0
32	Effects of different types of nuclear radiations on optically stimulated luminescence. Turkish Journal of Physics, 2013, 37, 363-367.	1.1	0
33	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
34	A compact RF power coupler design for the SANAEM RFQ accelerator. AIP Conference Proceedings, 2018, , .	0.4	0
35	Kinetic Study on the OSL Technique Using Human Blood Sample. NeuroQuantology, 2018, 16, .	0.2	0
36	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