

Mushtaq Abed Al-Jubbori

List of Publications by Year in descending order

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docs citations

28
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99
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear structure of the even-even rare-earth Er-Os nuclei for $N = 102$. Indian Journal of Physics, 2020, 94, 379-390.	1.8	10
2	Processing of Turbine Blades Using Cermet Composite Materials. Journal of Failure Analysis and Prevention, 2020, 20, 2111-2118.	0.9	9
3	Some Electromagnetic Transition Properties of Odd-A Palladium Isotopes. IOP Conference Series: Materials Science and Engineering, 2020, 928, 072088.	0.6	0
4	Track parameters investigate of oblique incident of alpha particles irradiated CR-39 detector. IOP Conference Series: Materials Science and Engineering, 2020, 928, 072132.	0.6	1
5	Properties of $O(6)$ - $U(5)$ transition symmetry for $^{122-124}\text{Cd}$ isotopes in IBM. IOP Conference Series: Materials Science and Engineering, 2020, 928, 072149.	0.6	0
6	Bulk etch rates of CR-39 at high etchant concentrations: diffusion-limited etching. Nuclear Science and Techniques/Hewuli, 2020, 31, 1.	3.4	5
7	V-function to investigate tracks of the alpha particle irradiated CR-39 detector. Radiation Measurements, 2020, 136, 106388.	1.4	3
8	Study of Optical and Structural Properties of $\text{A}(\text{NiO})_{1-x}(\text{CuO})_x$ Nanostructures Thin Films. Chemical Data Collections, 2020, 28, 100414.	2.3	33
9	Nuclear Structure and Energy Levels of ^{158}Er , ^{160}Yb and ^{162}Hf Isotones. IOP Conference Series: Materials Science and Engineering, 2020, 928, 072064.	0.6	0
10	Microscopic Description of ^{170}Er , ^{172}Yb , ^{174}Hf , and ^{176}W Isotones. IOP Conference Series: Materials Science and Engineering, 2020, 928, 072124.	0.6	0
11	Critical Point of the ^{152}Sm , ^{154}Gd , and ^{156}Dy Isotones. Physics of Atomic Nuclei, 2019, 82, 201-211.	0.4	9
12	Structural Properties of $(\text{Sn}_{1-x}\text{Mg}_x\text{O})$ Thin Films and Optical Parameter Dependence with Gamma Ray Irradiation. Journal of Electronic Materials, 2019, 48, 669-678.	2.2	28
13	Deformation properties of the even-even rare-earth Er-Os isotopes for $N = 100$. International Journal of Modern Physics E, 2018, 27, 1850035.	1.0	15
14	Determine the ^{134}Nd - ^{140}Nd isotopes identity using IBM and NEF. Nuclear Physics A, 2018, 971, 35-50.	1.5	16
15	Theoretical description of the deformation properties for ^{154}Gd - ^{164}Gd isotopes. Nuclear Physics A, 2018, 970, 438-450.	1.5	18
16	Investigation of even-even ^{220}Th - ^{230}Th isotopes within the IBM, IVBM and BM. Nuclear Physics A, 2018, 977, 34-48.	1.5	12
17	Calculation of some of the nuclear properties of even-even $^{172-176}\text{Hf}$ isotopes using IBM-1. Journal of the National Science Foundation of Sri Lanka, 2018, 46, 3.	0.2	15
18	Properties of even ^{168}Hf - ^{178}Hf isotopes using IBM-1 and SEF. Chinese Physics C, 2017, 41, 084103.	3.7	5

#	ARTICLE	IF	CITATIONS
19	Empirical model of alpha particle track length in CR-39 detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 871, 54-58.	1.6	4
20	A parameterization of the chemistry-normality dependence of bulk etch rate in a CR-39 detector. Applied Radiation and Isotopes, 2016, 118, 228-231.	1.5	8
21	Alpha particles energy estimation from track diameter development in a CR-39 detector. Applied Radiation and Isotopes, 2016, 115, 74-80.	1.5	7
22	Nuclear structure of even $120 \leq Z \leq 136$ Ba under the framework of IBM, IVBM and new method (SEF). Nuclear Physics A, 2016, 955, 101-115.	1.5	31
23	The rotational-vibrational properties of $178 \leq Z \leq 188$ Os isotopes. Indian Journal of Physics, 2015, 89, 1085-1091.	1.8	11
24	Semi Empirical Equation for the Calculation of the Track Diameter of Alpha Particles in CR-39 as a Function of Etching Temperature. Ma'allaqat al-Ilm Al-rAfidayn, 2014, 25, 120-126.	0.1	2
25	New approach of modeling charged particles track development in CR-39 detectors. Radiation Measurements, 2013, 58, 94-100.	1.4	9
26	Extension of alpha particles in CR-39-etched track depth model to heavier ions. Radiation Effects and Defects in Solids, 2013, 168, 1004-1010.	1.2	6
27	A parameterization of nuclear track profiles in CR-39 detector. Computer Physics Communications, 2012, 183, 2470-2479.	7.5	18
28	Empirical parameterization of CR-39 longitudinal track depth. Radiation Measurements, 2012, 47, 67-72.	1.4	19