

Mushtaq Abed Al-Jubbori

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5377742/publications.pdf>

Version: 2024-02-01

28
papers

294
citations

840776

11
h-index

888059

17
g-index

28
all docs

28
docs citations

28
times ranked

99
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of Optical and Structural Properties of $(\text{NiO})_{1-x}(\text{CuO})_x$ Nanostructures Thin Films. Chemical Data Collections, 2020, 28, 100414.	2.3	33
2	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
3	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
4	Empirical parameterization of CR-39 longitudinal track depth. Radiation Measurements, 2012, 47, 67-72.	1.4	19
5	A parameterization of nuclear track profiles in CR-39 detector. Computer Physics Communications, 2012, 183, 2470-2479.	7.5	18
6	Theoretical description of the deformation properties for $154 \leq Z \leq 164$ Gd isotopes. Nuclear Physics A, 2018, 970, 438-450.	1.5	18
7	Determine the $134 \leq Z \leq 140$ Nd isotopes identity using IBM and NEF. Nuclear Physics A, 2018, 971, 35-50.	1.5	16
8	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
9	Calculation of some of the nuclear properties of even-even $172-176$ Hf isotopes using IBM-1. Journal of the National Science Foundation of Sri Lanka, 2018, 46, 3.	0.2	15
10	Investigation of even-even $220 \leq Z \leq 230$ Th isotopes within the IBM, IVBM and BM. Nuclear Physics A, 2018, 977, 34-48.	1.5	12
11	The rotational-vibrational properties of $178 \leq Z \leq 188$ Os isotopes. Indian Journal of Physics, 2015, 89, 1085-1091.	1.8	11
12	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
13	New approach of modeling charged particles track development in CR-39 detectors. Radiation Measurements, 2013, 58, 94-100.	1.4	9
14	Critical Point of the 152Sm , 154Gd , and 156Dy Isotones. Physics of Atomic Nuclei, 2019, 82, 201-211.	0.4	9
15	Processing of Turbine Blades Using Cermet Composite Materials. Journal of Failure Analysis and Prevention, 2020, 20, 2111-2118.	0.9	9
16	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
17	Alpha particles energy estimation from track diameter development in a CR-39 detector. Applied Radiation and Isotopes, 2016, 115, 74-80.	1.5	7
18	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

#	ARTICLE	IF	CITATIONS
19	Properties of even ¹⁶⁸ 178 Hf isotopes using IBM-1 and SEF. Chinese Physics C, 2017, 41, 084103.	3.7	5
20	Bulk etch rates of CR-39 at high etchant concentrations: diffusion-limited etching. Nuclear Science and Techniques/Hewuli, 2020, 31, 1.	3.4	5
21	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
22	V-function to investigate tracks of the alpha particle irradiated CR-39 detector. Radiation Measurements, 2020, 136, 106388.	1.4	3
23	Semi Empirical Equation for the Calculation of the Track Diameter of Alpha Particles in CR-39 as a Function of Etching Temperature. Ma'Alat Al-r'afidayn, 2014, 25, 120-126.	0.1	2
24	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
25	Some Electromagnetic Transition Properties of Odd-A Palladium Isotopes. IOP Conference Series: Materials Science and Engineering, 2020, 928, 072088.	0.6	0
26	Properties of O(6)-U(5) transition symmetry for 122-124Cd isotopes in IBM. IOP Conference Series: Materials Science and Engineering, 2020, 928, 072149.	0.6	0
27	Nuclear Structure and Energy Levels of 158Er, 160Yb and 162Hf Isotones. IOP Conference Series: Materials Science and Engineering, 2020, 928, 072064.	0.6	0
28	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