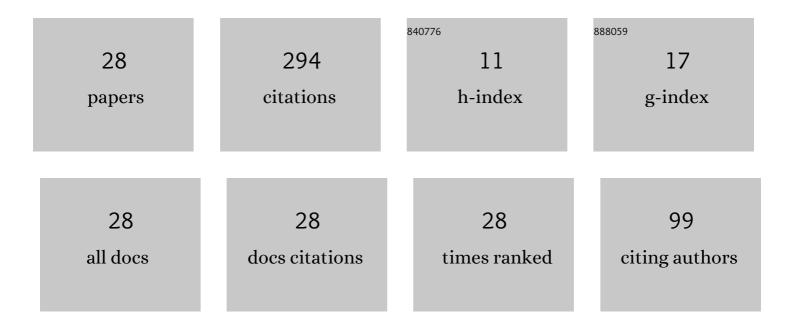
Mushtaq Abed Al-Jubbori

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Study of Optical and Structural Properties ofÂ(NiO)1-x(CuO)x Nanostructures Thin Films. Chemical Data Collections, 2020, 28, 100414.	2.3	33
2	Nuclear structure of even 120–136Ba under the framework of IBM, IVBM and new method (SEF). Nuclear Physics A, 2016, 955, 101-115.	1.5	31
3	Structural Properties of (Sn1â^'xMgxO) 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 154–164Gd isotopes. Nuclear Physics A, 2018, 970, 438-450.	1.5	18
7	Determine the 134–140Nd 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 172-176Hf isotopes using IBM-1. Journal of the National Science Foundation of Sri Lanka, 2018, 46, 3.	0.2	15
10	Investigation of even–even 220–230Th isotopes within the IBM, IVBM and BM. Nuclear Physics A, 2018, 977, 34-48.	1.5	12
11	The rotational–vibrational properties of 178â^'188Os 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 inÂCR-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 ^{168â^'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. MaÄŸallatl^ Ê»ulÅ«m Al-rÄfidayn, 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