

Tayfun HÃ¼yÃ¼k

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

904
citations

567281

15
h-index

454955

30
g-index

40
all docs

40
docs citations

40
times ranked

869
citing authors

#	ARTICLE	IF	CITATIONS
1	AGATAâ€”Advanced GAMMA Tracking Array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 668, 26-58.	1.6	378
2	Collective nature of low-lying excitations in ^{70}Zn deduced from lifetime measurements using the AGATA spectrometer demonstrator. Physical Review C, 2013, 87, .	2.9	50
3	Discovery of a new isomeric state in ^{68}Ni : Evidence for a highly deformed proton intruder state. Physical Review C, 2012, 85, .	2.9	43
4	NEDAâ€”NEutron Detector Array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 927, 81-86.	1.6	34
5	Monte Carlo simulation of a single detector unit for the neutron detector array NEDA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 673, 64-72.	1.6	30
6	Shell evolution beyond ^{40}N in ^{69}Cu . Physical Review C, 2015, 91, .	2.9	26
7	Pulse pile-up identification and reconstruction for liquid scintillator based neutron detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 897, 59-65.	1.6	24
8	Isospin Properties of Nuclear Pair Correlations from the Level Structure of the Self-Conjugate Nucleus ^{88}Ru . Physical Review Letters, 2020, 124, 062501.	7.8	24
9	Test of digital neutronâ€”gamma discrimination with four different photomultiplier tubes for the NEutron Detector Array (NEDA). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 767, 83-91.	1.6	23
10	Conceptual design of the early implementation of the NEutron Detector Array (NEDA) with AGATA. European Physical Journal A, 2016, 52, 1.	2.5	23
11	Digital pulse-timing technique for the neutron detector array NEDA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 775, 71-76.	1.6	19
12	Character of particle-hole excitations in ^{94}Ru deduced from ^{94}Ru -ray angular correlation and linear polarization measurements. Physical Review C, 2014, 89, .	2.9	18
13	Lifetime measurement of neutron-rich even-even molybdenum isotopes. Physical Review C, 2017, 95, .	2.9	17
14	Hindered Gamow-Teller Decay to the Odd-Odd ^{63}Z in ^{63}Ga . Physical Review C, 2013, 88, .	7.8	16
15	Lifetime measurements in neutron-rich $^{63,65}\text{Co}$ isotopes using the AGATA demonstrator. Physical Review C, 2013, 88, .	2.9	15
16	Neutron detection and ^{63}Z -ray suppression using artificial neural networks with the liquid scintillators BC-501A and BC-537. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 916, 238-245.	1.6	15
17	Discrimination of gamma rays due to inelastic neutron scattering in AGATA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 607, 554-563.	1.6	14
18	High-spin structure and intruder excitations in ^{36}Cl . Physical Review C, 2012, 86, .	2.9	14

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19	High-spin level structure of ^{23}Mg . Physical Review C, 2014, 89, .	2.9	14
20	Conceptual design of the TRACE detector readout using a compact, dead time-less analog memory ASIC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 800, 34-39.	7.8	14
21	Global properties of ^{17}O hindrance probed by the $^{17}\text{O}(\alpha, n)^{20}\text{F}$ decay of the warm rotating ^{17}O nucleus. Physical Review C, 2013, 88, .	1.6	13
22	A New Front-End High-Resolution Sampling Board for the New-Generation Electronics of EXOGAM2 and NEDA Detectors. IEEE Transactions on Nuclear Science, 2015, 62, 1056-1062.	2.9	11
23	Design and Test of a High-Speed Flash ADC Mezzanine Card for High-Resolution and Timing Performance in Nuclear Structure Experiments. IEEE Transactions on Nuclear Science, 2013, 60, 3526-3531.	2.0	9
24	Study of the soft dipole modes in ^{140}Ce via inelastic scattering of ^{17}O . Physica Scripta, 2014, 89, 054016.	2.0	8
25	Spectroscopy of the neutron-deficient ^{95}Rh . Physical Review C, 2014, 89, .	2.5	7
26	Digital Front-End Electronics for the Neutron Detector NEDA. IEEE Transactions on Nuclear Science, 2015, 62, 1063-1069.	2.9	6
27	Isospin Symmetry Breaking in Mirror Nuclei ^{23}Mg - ^{23}Na . Acta Physica Polonica B, 2017, 48, 313.	2.0	6
28	Lifetime Measurements in Neutron-rich Cu Isotopes. Acta Physica Polonica B, 2013, 44, 505.	0.8	6
29	M1 and E2 transition rates from core-excited states in semi-magic ^{94}Ru . European Physical Journal A, 2018, 54, 1.	0.8	5
30	High-spin states and lifetimes in ^{33}S and shell-model interpretation in the sd - fp space. Physical Review C, 2017, 96, .	2.9	5
31	Evidence for enhanced neutron-proton correlations from the level structure of the ^{44}Tc nucleus. Physical Review C, 2021, 104, .	2.9	4
32	Lifetime Measurements of Short Lived States in ^{69}As and ^{66}Ge . Acta Physica Polonica B, 2013, 44, 501.	0.8	3
33	Lifetime measurements of short-lived excited states, and shape changes in ^{69}As and ^{66}Ge nuclei. Physical Review C, 2019, 100, .	0.8	2
34	Lifetimes of core-excited states in semi-magic ^{95}Rh . European Physical Journal A, 2020, 56, 1.	2.9	2
35	Lifetime Measurements of Short Lived States in ^{69}As . Acta Physica Polonica B, 2014, 45, 235.	2.5	2
36		0.8	2

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37	Lifetime Measurements with the Doppler Shift Attenuation Method Using a Thick Homogeneous Production Target --- Verification of the Method. Acta Physica Polonica B, 2017, 48, 325.	0.8	2
38	Lifetime measurements of high-lying short lived states in [⁶⁹ As. , 2012, , .		0
39	Study of the Order-to-Chaos transition in ¹⁷⁴ W with the AGATA-Demonstrator. Journal of Physics: Conference Series, 2012, 366, 012045.	0.4	0
40	Lifetime measurements and the high-spin structure of ³⁶ Cl. Journal of Physics: Conference Series, 2015, 590, 012036.	0.4	0