Ergash M Tursunov

List of Publications by Year
in descending order

26	368	759233 12	794594 19
papers	citations	h-index	g-index

27	27	27	187
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three-body continuum states on a Lagrange mesh. Nuclear Physics A, 2006, 765, 370-389.	1.5	79
2	Moscow-typeNNpotentials and three-nucleon bound states. Physical Review C, 1998, 57, 535-554.	2.9	33
3	Analysis of theHe6Î² decay into theÎ±+dcontinuum within a three-body model. Physical Review C, 2006, 73, .	2.9	30
4	Comparative variational studies of 0+ states in three-Î± models. Nuclear Physics A, 2003, 723, 365-374.	1.5	27
5	Isospin-forbidden electric dipole capture and the Î±(d, Î³)⁶Li reaction. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 085102.	3.6	27
6	Theoretical study of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>+</mml:mo><mml:mi>d</mml:mi mathvariant="normal">Li</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo>+</mml:mo><mml:mi>Î³</mml:mi> capture process in a three-body model. Physical Review C, 2016, 94, .	2.9	25
7	Î² delayed emission of a proton by a one-neutron halo nucleus. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 464-467.	4.1	23
8	Theoretical study of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>+</mml:mo><mml:mi>d</mml:mi /><mml:none /><mml:mn>6</mml:mn></mml:mmultiscripts></mml:mrow><mml:mo>+</mml:mo><mml:mi>Î³</mml:mi></mml:math> astrophysical capture process in a three-body model. II. Reaction rates and primordial abundance. Physical Review C, 2018, 98, .	2.9	21
9	Variational calculations of the12C nucleus structure in a 3Î± model using a deep potential with forbidden states. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, 1381-1389.	3.6	18
10	Theoretical analysis of the astrophysical S-factor for the capture reaction Î± + d â†’ 6Li + Î³ in the two-body model. Physics of Atomic Nuclei, 2015, 78, 193-200.	0.4	15
11	Î² decay ofLi11intoLi9and a deuteron within a three-body model. Physical Review C, 2006, 74, .	2.9	14
12	Astrophysical <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>3</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mat. p	2.9	12
13	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>S</mml:mi></mml:math> factor and rate of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi>	2.9	7
14	Gamma-delayed deuteron emission of the halo state. Nuclear Physics A, 2007, 793, 52-66.	1.5	5
15	A relativistic structure of one-meson and one-gluon exchange forces and a lower excitation spectrum of the nucleon and Î”. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 095006.	3.6	4
16	Lower excitation spectrum of the nucleon and delta in a relativistic chiral quark model. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, 617-629.	3.6	3
17	Unique decay process:Î²-delayed emission of a proton and a neutron by theLi11halo nucleus. Physical Review C, 2010, 82, .	2.9	3
18	Updated three-body model of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>6</mml:mn></mml:mmultiscripts><mml:mspace width="4.pt" /><mml:mi>Î²</mml:mi></mml:math> decay into the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>+</mml:mo><mml:mi>d</mml:mi> continuum. Physical Review C, 2018, 97, .	2.9	3

#	Article	IF	Citations
19	Influence of orthogonalization procedure on astrophysical S-factor for the direct Î± + d â†’ 6Li + Î³ capture process in a three-body model. International Journal of Modern Physics Conference Series, 2019, 49, 1960015.	0.7	3
20	Convergence of the self-energy in a relativistic chiral quark model: excited nucleon and Î” sector. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 105013.	3.6	1
21	THEORETICAL STUDY OF THE ¹¹Li Î² DECAY INTO THE DEUTERON CHANNEL IN A CLUSTER MODEL. International Journal of Modern Physics E, 2011, 20, 803-806.	1.0	1
22	3He(Î±,Î³)7Be and 3H(Î±,Î³)7Li reaction rates and implication for Big Bang nucleosynthesis in the potential model. International Journal of Modern Physics Conference Series, 2019, 49, 1960014.	0.7	1
23	Peculiarity of the $${}^{{12}}$$C(0${{}^{+}}$) and $${}^{{12}}$$C(2${{}^{+}}$) Energy Spectrum in a 3$$alpha$$ Model. Physics of Atomic Nuclei, 2022, 85, 160-166.	0.4	1
24	SPECTRUM OF THE EXCITED N* AND Î”* BARYONS IN A RELATIVISTIC CHIRAL QUARK MODEL. International Journal of Modern Physics Conference Series, 2014, 26, 1460118.	0.7	0
25	On the spectrum of the many-body Pauli projector. Pramana - Journal of Physics, 2021, 95, 1.	1.8	0
26	Astrophysical S-Factor of the Direct $$alpha (d,gamma)^6$$Li Capture Reaction in a Three-Body Model. Springer Proceedings in Physics, 2020, , 119-123.	0.2	0