Ritesh Kshetri

List of Publications by Year
in descending order

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54	673	567281 15	610901 24
papers	citations	h-index	g-index

54	54	54	548
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fusion cross sections for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Li</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Tb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>159</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>	2.9	74
2	First Measurement of the ¹⁹F(Î±, p)²²Ne Reaction at Energies of Astrophysical Relevance. Astrophysical Journal, 2017, 836, 57.	4.5	40
3	SHARC: Silicon Highly-segmented Array for Reactions and Coulex used in conjunction with the TIGRESS Î³-ray spectrometer. Journal of Instrumentation, 2011, 6, P02005-P02005.	1.2	39
4	Evolution of collectivity in neutron-rich nuclei in theSn132region. Physical Review C, 2006, 74, .	2.9	36
5	The ¹⁹F(Î±, p)²²Ne Reaction at Energies of Astrophysical Relevance by Means of the Trojan Horse Method and Its Implications in AGB Stars. Astrophysical Journal, 2018, 860, 61.	4.5	29
6	Fusion cross sections for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Li</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>6</mml:mn><mml:mo>,</mml:mo><mml:mn>7</mml:mn></mml:mrow></mml:mmultiscripts></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:math><mml:math xmlns:mml=	2.9	28
7	High-Precision Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Ne</mml:mi><mml:mprescripts /><mml:none /><mml:mn>19</mml:mn></mml:mmultiscripts></mml:math>Half-Life and Implications for Right-Handed Weak Currents. Physical Review Letters, 2012, 109, 042301.	7.8	28
8	Reorientation-effect measurement of theâŒ©21+â^¥E2Ì‚â^¥21+âŒªmatrix element in10Be. Physical Review C, 2012, 86, .	2.9	26
9	Characterisation of a Compton suppressed Clover detector for high energy gamma rays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 556, 261-272.	1.6	25
10	Two-neutron transfer reaction mechanisms in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow		

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19	High spin states and isomeric decays in doubly-odd 208Fr. Nuclear Physics A, 2010, 842, 1-14.	1.5	12
20	First observation of high spin states and isomeric decay in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>210</mml:mn></mml:msup></mml:math>Fr. Physical Review C, 2011, 84, .	2.9	12
21	Modeling an array of encapsulated germanium detectors. Journal of Instrumentation, 2012, 7, P04008-P04008.	1.2	12
22	Inelastic scattering of 9Li and excitation mechanism of its first excited state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 224-228.	4.1	12
23	Lifetime measurements of states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>15</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review	2.9	10
24	Indication of the onset of collectivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">P</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>30</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2007, 76, .	2.9	9
25	Experimental study of the 2p-2h band inSn111. Physical Review C, 2008, 78, .	2.9	9
26	From a single encapsulated detector to the spectrometer for INTEGRAL satellite: predicting the peak-to-total ratio at high Î³-energies. Journal of Instrumentation, 2012, 7, P12007-P12007.	1.2	9
27	A novel approach for predicting the response of the spectrometer for INTEGRAL satellite. Applied Radiation and Isotopes, 2013, 75, 30-36.	1.5	9
28	Collective excitations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">S</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>33</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2014, 90, .	2.9	9
29	A first principle approach for clover detector. Journal of Instrumentation, 2012, 7, P08015-P08015.	1.2	8
30	Modeling of clover detector in addback mode. Journal of Instrumentation, 2012, 7, P07008-P07008.	1.2	8
31	A novel approach for modelling the cluster detector and the SPI spectrometer. Pramana - Journal of Physics, 2014, 83, 817-827.	1.8	8
32	Understanding the operation of gamma-ray detectors arranged in the shape of a pyramid. Journal of Instrumentation, 2019, 14, T09008-T09008.	1.2	8
33	A first principle approach for encapsulated type composite detectors. Journal of Instrumentation, 2012, 7, P07006-P07006.	1.2	8
34	Performance comparison for modes of operation and suppression cases of the clover detector. Journal of Instrumentation, 2014, 9, T10001-T10001.	1.2	7
35	Precise branching ratio measurements in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ne</mml:mi><mml:mprescripts /><mml:none /><mml:mn>19</mml:mn></mml:mmultiscripts><mml:mspace width="4pt" /><mml:mi>Î²</mml:mi></mml:math> decay and fundamental tests of the weak interaction. Physical Review C, 2019, 99, .	2.9	7
36	Study of yrast band in 155Tm. Nuclear Physics A, 2007, 794, 1-9.	1.5	4

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37	Shape coexistence in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mtext>Ho</mml:mtext><mml:mprescripts /><mml:none /><mml:mn>153</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2016, 94, .	2.9	4
38	High spin states of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ar</mml:mi><mml:mprescripts /><mml:none /><mml:mn>37</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 101, .	2.9	4
39	Analysis of the effects of pair production for the suppressed clover detector. Journal of Instrumentation, 2014, 9, T11001-T11001.	1.2	3
40	Fold distributions at clover, crystal and segment levels for segmented clover detectors. Journal of Instrumentation, 2014, 9, T10005-T10005.	1.2	3
41	A first principle approach for composite gamma detector having triangle shaped modules. Journal of Instrumentation, 2020, 15, T03002-T03002.	1.2	1
42	Understanding nuclei in the upper sd - shell. , 2014, , .		0
43	First evidences for19F(Î±,p)22Ne at astrophysical energies. Journal of Physics: Conference Series, 2016, 703, 012016.	0.4	0
44	AGB nucleosynthesis: The 19F(Î±, p)22Ne reaction at astrophysical energies. AIP Conference Proceedings, 2017, , .	0.4	0
45	Two parameter modeling approach for the clover-type gamma detectors with various geometries. AIP Conference Proceedings, 2020, , .	0.4	0
46	Single parameter modeling approach for the Clover detector. AIP Conference Proceedings, 2020, , .	0.4	0
47	Modeling of the spectrometer for INTEGRAL satellite. AIP Conference Proceedings, 2020, , .	0.4	0
48	Understanding the operation of general composite detector for gamma-ray spectroscopy. Journal of Instrumentation, 2020, 15, P08006-P08006.	1.2	0
49	A first principle approach for studying module-wise absorptions and scatterings of a well-type composite detector. AIP Conference Proceedings, 2020, , .	0.4	0
50	Modeling of the stacked gamma-ray detectors. Journal of Instrumentation, 2020, 15, P03005-P03005.	1.2	0
51	MEASUREMENT OF THE SPECTROSCOPIC QUADRUPOLE MOMENT FOR THE 2^{+}_{1} STATE IN 10Be: TESTING AB INITIO CALCULATIONS. , 2013, , .		0
52	Modeling of a well-type composite detector. Malaya Journal of Matematik, 2020, S, 699-702.	0.2	0
53	Module wise absorption study of pyramidal composite gamma detector. Malaya Journal of Matematik, 2020, S, 693-698.	0.2	0
54	Modeling of U-shaped composite detectors. Journal of Instrumentation, 2021, 16, T12006.	1.2	0