

# Wanpeng P Tan

## List of Publications by Year in descending order

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131  
papers

2,935  
citations

172457

29  
h-index

189892

50  
g-index

142  
all docs

142  
docs citations

142  
times ranked

1760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lifetime measurements of excited states in $^{15}\text{O}$ . Physical Review C, 2021, 103, .	2.9	5
2	Truly two-dimensional black holes under dimensional transitions of spacetime. International Journal of Modern Physics D, 2021, 30, .	2.1	2
3	isobaric analog states in $^9\text{Be}$ using $^{19}\text{F}$ level structure for explosive Measurements of proton capture in the $^{100}\text{A}$ mass region: Constraints on the $\ln A$ .	2.9	2
4	First results from HECTOR: High Efficiency TOtal absorption spectrometerR for $\hat{1}^3$ -process nucleosynthesis studies. Journal of Physics: Conference Series, 2020, 1668, 012038.	0.4	0
5	Indirect measurement of the $^3\text{He}(n,p)^3\text{H}$ reaction cross section at Big Bang energies. European Physical Journal A, 2020, 56, 1.	2.5	21
6	Intensity of a weak 519-keV $\hat{1}^3$ ray following $\hat{1}^2$ decay of the superallowed emitter Ar34 determined via the S33 ( $p, \hat{1}^3$ ) Cl34 reaction. Physical Review C, 2020, 102, .	2.9	0
7	$^{19}\text{Ne}$ level structure for explosive	2.9	5
8	Measurements of proton capture in the $^{100}\text{A}$ mass region: Constraints on the $\ln A$ .		

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19	Neutron oscillations for solving neutron lifetime and dark matter puzzles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134921.	4.1	16
20	High Efficiency Total Absorption Spectrometer HECTOR for capture reaction measurements. European Physical Journal A, 2019, 55, 1.	2.5	16
21	New $\hat{I}^3$ -ray transitions observed in Ne19 with implications for the O15( $\hat{I}^{\pm}, \hat{I}^3$ )Ne19 reaction rate. Physical Review C, 2019, 99, .	2.9	5
22	Key Ne19 States Identified Affecting $\hat{I}^3$ -Ray Emission from F18 in Novae. Physical Review Letters, 2019, 122, 052701.	7.8	9
23	Kaon oscillations and baryon asymmetry of the Universe. Physical Review D, 2019, 100, .	4.7	4
24	Using $^{19}\text{F}(^3\text{He}, t)^{19}\text{Ne}^*(\hat{I}^3)$ to study astrophysically important levels near the $^{18}\text{F}+p$ threshold. AIP Conference Proceedings, 2019, , .	0.4	1
25	First measurement of the $B(E2; 3/2^{\hat{a}^+} \hat{a}^+ 1/2^{\hat{a}^+})$ in $^7\text{Be}$ . AIP Conference Proceedings, 2018, , .	0.4	0
26	Experimental measurement of the $^{12}\text{C}+^{16}\text{O}$ fusion cross sections at astrophysical energies. EPJ Web of Conferences, 2018, 178, 04008.	0.3	0
27	Development of the $(d, n)$ Proton-transfer Reaction in Inverse Kinematics for Structure Studies. Acta Physica Polonica B, 2018, 49, 365.	0.8	0
28	Study of the $^{17}\text{O}(\alpha, n)^{20}\text{Ne}$ Reaction: Extension of the Trojan Horse Method to the Neutrons Induced Reactions. , 2017, , .		1
29	Experimental measurement of $^{12}\text{C}+^{16}\text{O}$ fusion at stellar energies.	2.9	30
30	Proton capture reaction cross section measurements on $^{16}\text{O}$ as a probe of statistical model calculations. Physical Review C, 2017, 96, .	2.9	6
31	Quenching measurements and modeling of a boron-loaded organic liquid scintillator. Journal of Instrumentation, 2017, 12, P08002-P08002.	1.2	6
32	Trojan horse method with neutrons induced reactions: The $^{17}\text{O}(n, \hat{I}^{\pm})^{14}\text{C}$ reaction. AIP Conference Proceedings, 2017, , .	0.4	0
33	A measurement of the ionization efficiency of nuclear recoils in silicon. Journal of Instrumentation, 2017, 12, P06014-P06014.	1.2	17
34	Disentangling unclear nuclear breakup channels of beryllium-9 using the three-axis Dalitz plot. Journal of Physics: Conference Series, 2017, 863, 012032.	0.4	1
35	First direct measurement of $^{12}\text{C}(^{12}\text{C}, n)^{23}\text{Mg}$ at stellar energies. EPJ Web of Conferences, 2016, 109, 04009.	0.3	1
36	Measurements of conversion electrons in the s-process branching point nucleus $^{176}\text{Lu}$ . European Physical Journal A, 2016, 52, 1.	2.5	7

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37	Be8+Be8 and C12+ $\hat{1}\pm$ breakup states in O16 populated via the C13(He4, $4\hat{1}\pm$ )n reaction. Physical Review C, 2016, 94, .	2.9	20
38	Evidence for a 3.8 MeV state in Be9. Physical Review C, 2016, 94, .	2.9	2
39	Time-of-flight mass measurements of neutron-rich chromium isotopes up to $N=24$ and implications for the accreted neutron star crust. Physical Review C, 2016, 93, .	2.9	20
40	Progress of Jinping Underground laboratory for Nuclear Astrophysics (JUNA). EPJ Web of Conferences, 2016, 109, 09001.	0.3	6
41	Progress of Jinping Underground laboratory for Nuclear Astrophysics (JUNA). Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	45
42	Improvement of the high-accuracy $O^{17}$ reaction rate for the $O^{17}+N$ reaction. Physical Review C, 2015, 92, .	2.9	14
43	Scintillation efficiency measurement of Na recoils in NaI(Tl) below the DAMA/LIBRA energy threshold. Physical Review C, 2015, 92, .	2.9	34
44	Proton capture cross section of $Ge^{72}$ and astrophysical implications. Physical Review C, 2015, 92, .	2.9	3
45	$\hat{1}\pm, \hat{1}^3$ cross section measurements in the region of light nuclei. Physical Review C, 2015, 92, .	2.9	18
46	Mass Measurement of $Sc^{56}$ Reveals a Small Odd-Even Systematic Study of $A=56$ for Stable Nickel Isotopes. Physical Review C, 2015, 92, .	7.8	27
47	Constraining the $^{12}C+^{12}C$ fusion cross section for astrophysics. EPJ Web of Conferences, 2015, 93, 03009.	0.3	5
48	Breakup branches of Borromean beryllium-9. AIP Conference Proceedings, 2015, .	0.4	4
49	Measurement of scintillation and ionization yield and scintillation pulse shape from nuclear recoils in liquid argon. Physical Review D, 2015, 91, .	4.7	80
50	Mass Measurements Demonstrate a Strong First Direct Measurement of $N=28$ Shell Gap in Argon. Physical Review Letters, 2015, 114, 052501.	7.8	34
51	First Direct Measurement of $C^{12}$ for Stable Nickel Isotopes. Physical Review C, 2015, 92, .	2.9	14
52			

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55	Application of the Trojan Horse Method to study neutron induced reactions: the $^{170}\text{Ni}(n, \hat{\pm})^{14}\text{C}$ reaction. EPJ Web of Conferences, 2014, 66, 07008.	0.3	0
56	Study of the $^{170}\text{Ni}(n, \hat{\pm})^{14}\text{C}$ reaction: Extension of the Trojan Horse Method to neutron induced reactions. , 2014, , .		0
57	Photoneutron strengths in $^{26}\text{Mg}$ at energies of astrophysical interest. Physical Review C, 2014, 89, .	2.9	5
58	Experimental cross sections of $^{165}\text{Ho}(n, \hat{\pm})^{168}\text{Tm}$ and $^{166}\text{Er}(n, \hat{\pm})^{169}\text{Yb}$ for optical potential studies relevant for the astrophysical $\beta$ process. Physical Review C, 2014, 89, .	2.9	21
59	First application of the technique in inverse kinematics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 757, 62-66.	1.6	7
60	Measurement of the $^{58}\text{Ni}(n, \hat{\pm})^{62}\text{Zn}$ reaction and its astrophysical Sun: Summing NaI(Tl) gamma-ray detector for capture reaction measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 703, 16-21.	2.9	18
61	Systematic study of $^{90}\text{Zr}(n, \hat{\pm})^{92}\text{Zr}$ reactions on Ni isotopes. Physical Review C, 2013, 87, .	1.6	56
62	Systematic study of $^{90}\text{Zr}(n, \hat{\pm})^{92}\text{Zr}$ reactions on Ni isotopes. Physical Review C, 2013, 87, .	2.9	13
63	Observation of the dependence on drift field of scintillation from nuclear recoils in liquid argon. Physical Review D, 2013, 88, .	2.9	15
64	Yield measurements for resonances above the multi- $^{17}\text{O}(n, \hat{\pm})^{18}\text{Ne}$ threshold in $^{17}\text{O}(n, \hat{\pm})^{18}\text{Ne}$ . Physical Review C, 2013, 87, .	4.7	30
65	Measurement of the reaction $^{17}\text{O}(n, \hat{\pm})^{18}\text{Ne}$ . Physical Review C, 2013, 87, .	2.9	6
66	Suppression of nuclear gamma-ray emission in the low-energy region. Physical Review C, 2013, 87, .	2.9	33
67	Probing the production mechanism of the light $p$ -process nuclei. Physical Review C, 2013, 88, .	2.9	54
68	Investigation of the $^{16}\text{O}(n, \hat{\pm})^{17}\text{O}$ linear chain state in $^{16}\text{O}(n, \hat{\pm})^{17}\text{O}$ . Physical Review C, 2013, 88, .	2.9	8
69	Investigation of the $^{16}\text{O}(n, \hat{\pm})^{17}\text{O}$ linear chain state in $^{16}\text{O}(n, \hat{\pm})^{17}\text{O}$ . Physical Review C, 2013, 88, .	2.9	31
70	Searching for the low-energy resonances in the $^{12}\text{C}(n, \hat{\pm})^{23}\text{Mg}$ reaction cross section relevant for s-process nucleosynthesis. Journal of Physics: Conference Series, 2013, 420, 012141.	0.4	3
71	Experimental investigation of the $^{12}\text{C}+^{12}\text{C}$ fusion at very low energies by direct and indirect methods. Journal of Physics: Conference Series, 2013, 420, 012151.	0.4	6
72	MEASUREMENT OF THE REACTIONS $^{17}\text{O}(n, \hat{\pm})^{21}\text{Ne}$ AND $^{17}\text{O}(n, \hat{\pm})^{20}\text{Ne}$ AND THEIR IMPACT ON THE WEAK s PROCESS. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
73	<p>Systematic study of the <math>\pm</math>-optical potential via elastic scattering near the level structure of <math>Z=50</math> region</p> <p>Level structure of <math>Z=18</math> and its importance in the</p>		17
74			

#	ARTICLE	IF	CITATIONS
91	<a href="http://www.w3.org/1998/Math/MathML">Constraining the <math>\langle \text{mml:math xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ display}=\text{"inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle</math></a> factor of $\langle \text{mml:math xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ display}=\text{"inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant}=\text{"normal"} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 15 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mo}$		

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109	The reaction rate for the destruction of fluorine in AGB stars. Nuclear Physics A, 2005, 758, 577-580.	1.5	3
110	Lifetime of the astrophysically important 4.03-MeV state in Ne19. Physical Review C, 2005, 72, .	2.9	29
111	Comparison of midvelocity fragment formation with projectilelike decay. Physical Review C, 2005, 71, .	2.9	22
112	Isospin Diffusion and the Nuclear Symmetry Energy in Heavy Ion Reactions. Physical Review Letters, 2004, 92, 062701.	7.8	354
113	Spin determination of particle unstable levels with particle correlations. Physical Review C, 2004, 69, .	2.9	16
114	Isoscaling bearing information on the nuclear caloric curve. Physical Review C, 2004, 69, .	2.9	19
115	Isotope yields from central Sn112,124+Sn112,124 collisions: Dynamical emission?. Physical Review C, 2004, 69, .	2.9	64
116	Interplay of initial deformation and Coulomb proximity on nuclear decay. Physical Review C, 2004, 70, .	2.9	15
117	Mass parametrizations and predictions of isotopic observables. Physical Review C, 2003, 67, .	2.9	33
118	Isospin effects in nuclear multifragmentation. Physical Review C, 2003, 68, .	2.9	46
119	Excitation and decay of projectilelike fragments formed in dissipative peripheral collisions at intermediate energies. Physical Review C, 2003, 68, .	2.9	17
120	Fragment production in noncentral collisions of intermediate-energy heavy ions. Physical Review C, 2002, 65, .	2.9	33
121	Fragment isospin as a probe of heavy-ion collisions. Physical Review C, 2002, 65, .	2.9	12
122	Scaling behavior of isotopes in nuclear reactions. AIP Conference Proceedings, 2002, , .	0.4	0
123	Isoscaling in statistical models. Physical Review C, 2001, 64, .	2.9	163
124	Isospin fractionation in nuclear fragmentation. Nuclear Physics A, 2001, 681, 299-308.	1.5	3
125	Scaling behavior of isotopes in nuclear reactions. Nuclear Physics A, 2001, 681, 323-330.	1.5	4
126	Energy resolution and energyâ€‘light response of CsI(Tl) scintillators for charged particle detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 456, 290-299.	1.6	46



#	ARTICLE	IF	CITATIONS
127	LASSA: a large area silicon strip array for isotopic identification of charged particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 473, 302-318.	1.6	78
128	Fragment isotope distributions and the isospin dependent equation of state. Physical Review C, 2001, 64, .	2.9	66
129	Isospin Fractionation in Nuclear Multifragmentation. Physical Review Letters, 2000, 85, 716-719.	7.8	289
130	Nuclear isotope thermometry. Physical Review C, 2000, 62, .	2.9	22
131	Phase structures of magnetic impurity models with two-body hybridization. Physical Review B, 1998, 57, 5879-5890.	3.2	0