

# Y-H Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/40076/publications.pdf>

Version: 2024-02-01

97  
papers

1,362  
citations

430874

18  
h-index

395702

33  
g-index

97  
all docs

97  
docs citations

97  
times ranked

1525  
citing authors

#	ARTICLE	IF	CITATIONS
1	Storage ring at HIE-ISOLDE. European Physical Journal: Special Topics, 2012, 207, 1-117.	2.6	101
2	Demonstration of Coherent Terahertz Transition Radiation from Relativistic Laser-Solid Interactions. Physical Review Letters, 2016, 116, 205003.	7.8	96
3	$\frac{dN}{dt} = 41 \times \frac{dN}{dt}$	7.8	94
4	Multimillijoule coherent terahertz bursts from picosecond laser-irradiated metal foils. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3994-3999.	7.1	87
5	Laser produced electromagnetic pulses: generation, detection and mitigation. High Power Laser Science and Engineering, 2020, 8, .	4.6	62
6	Predictions of unknown masses and their applications. Physical Review C, 2012, 85, .	2.9	52
7	$I = \frac{dN}{dt}$ Complete and incomplete fusion in the ${}^9\text{Be}$	7.8	47
8	${}^9\text{Be} + \alpha \rightarrow {}^{12}\text{C} + n$	2.9	43
9	Complete and incomplete fusion of ${}^9\text{Be}$	2.9	39
10	${}^9\text{Be} + \alpha \rightarrow {}^{12}\text{C} + n$	2.9	38
11	${}^9\text{Be} + \alpha \rightarrow {}^{12}\text{C} + n$ Isobaric Analog State in ${}^9\text{Be}$	7.8	34
12	Observation of a high degree of stopping for laser-accelerated intense proton beams in dense ionized matter. Nature Communications, 2020, 11, 5157.	12.8	29
13	Rotational bands and signature inversion in odd-odd $\text{Re}172$ . Physical Review C, 2003, 68, .	2.9	28
14	Toward precision mass measurements of neutron-rich nuclei relevant to r-process nucleosynthesis. Frontiers of Physics, 2015, 10, 1-25.	5.0	25
15	Towards Terawatt-Scale Spectrally Tunable Terahertz Pulses via Relativistic Laser-Foil Interactions. Physical Review X, 2020, 10, .	8.9	25
16	Direct Measurement of the Astrophysical $F$		

#	ARTICLE	IF	CITATIONS
19	Band properties of the transitional nucleus Pt187. Physical Review C, 2007, 75, .	2.9	18
20	Physical origin of the non-physical spin evolution of MAXI J1820+070. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2168-2180.	4.4	18
21	High-spin level structure in $^{94}\text{Mo}$ . Physical Review C, 2009, 79, .	2.9	17
22	High-spin states in $^{127}\text{I}$ . Physical Review C, 2012, 85, .	2.9	17
23	Configuration-dependent band structures in odd-odd $^{180}\text{Ir}$ . Physical Review C, 2001, 65, .	2.9	16
24	Measurement of $\text{Ni}^{58}(\text{p},\text{p})\text{Ni}^{58}$ elastic scattering at low momentum transfer by using the HIRFL-CSR heavy-ion storage ring. Physical Review C, 2019, 100, .	2.9	16
25	Field-Driven Quantum Criticality in the Spinel Magnet $\text{ZnCr}_2\text{O}_4$ . Physical Review Letters, 2018, 120, 147204.	7.8	14
26	Configuration-dependent bands in $^{169}\text{Re}$ . European Physical Journal A, 2004, 19, 11-23.	2.5	13
27	High-spin level scheme of $^{183}\text{Au}$ . Physical Review C, 2005, 71, .	2.9	13
28	First application of combined isochronous and Schottky mass spectrometry: Half-lives of fully ionized $\text{Cr}^{24+49}$ and $\text{Fe}^{26+53}$ atoms. Physical Review C, 2018, 97, .	2.9	12
29	Cherenkov radiation-based optical fibre diagnostics of fast electrons generated in intense laser-plasma interactions. Review of Scientific Instruments, 2018, 89, 083302.	1.3	12
30	Fusion reactions in the $\text{Be}^9+\text{Au}^{197}$ system above the Coulomb barrier. Physical Review C, 2019, 100, .	2.9	12
31	Low-spin signature inversion in the $9/2^{\pm} - 1/2^{\pm} 13/2$ oblate band of $^{190}\text{Tl}$ . Physical Review C, 2005, 72, .	2.9	11
32	SEARCH FOR SIGNATURE INVERSION IN THE $13/2^{\pm} - 1/2^{\pm} 13/2$ BANDS IN $^{182,184,186}\text{Au}$ . International Journal of Modern Physics E, 2006, 15, 1437-1445.	1.0	11
33	Generalized isobaric multiplet mass equation and its application to the Nolen-Schiffer anomaly. Physical Review C, 2018, 97, .	2.9	11
34	Properties of the rotational bands in $^{161}\text{Er}$ . Physical Review C, 2011, 83, .	2.9	10
35	Level structure in the transitional nucleus $^{195}\text{Au}$ . Physical Review C, 2012, 85, .	2.9	10
36	In-beam $\beta$ spectroscopy of the odd-Z nucleus $^{139}\text{Pm}$ . Physical Review C, 2011, 84, .	2.9	9

#	ARTICLE	IF	CITATIONS
37	Rotational band properties in $^{165}\text{Er}$ . <i>Physical Review C</i> , 2011, 84, .	2.9	9
38	High-spin level structures of the near-spherical nuclei $^{91}\text{Zr}$ and $^{92}\text{Zr}$ . <i>Physical Review C</i> , 2014, 89, .	2.9	9
39	Ultrafast pulsed magnetic fields generated by a femtosecond laser. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	9
40	Search for gamma-ray bursts and gravitational wave electromagnetic counterparts with High Energy X-ray Telescope of <i>Insight-HXMT</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 3910-3920.	4.4	9
41	Observation of the $^{11}\text{Å}^{-2}$ band in odd-odd $^{170}\text{Re}$ . <i>Physical Review C</i> , 2004, 70, .	2.9	8
42	Study of proton resonances in $^{18}\text{Ne}$ via resonant elastic scattering of $^{17}\text{F} + \text{p}$ and its astrophysical implication in the stellar reaction of $^{14}\text{O}(\text{p}, \text{n})^{17}\text{F}$ . <i>European Physical Journal A</i> , 2011, 47, 1.	2.5	8
43	High-spin level structure of the doubly odd nucleus $^{9}\text{Be}$ . <i>Physical Review C</i> , 2013, 88, .	2.9	8
44	One-neutron stripping from $^{169}\text{Tm}$ . <i>Physical Review C</i> , 2019, 99, .	2.9	8
45	Beyond Wigner's isobaric multiplet mass equation: Effect of charge-symmetry-breaking interaction and Coulomb polarization. <i>Physical Review C</i> , 2019, 99, .	2.9	8
46	Study of backward terahertz radiation from intense picosecond laser-solid interactions using a multichannel calorimeter system. <i>High Power Laser Science and Engineering</i> , 2019, 7, .	4.6	8
47	The 2018 failed outburst of H 1743 - 322: <i>Insight-HXMT</i> , <i>NuSTAR</i> , and <i>NICER</i> views. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4541-4555.	4.4	8
48	Level structure of $^{146}\text{Tb}$ . <i>European Physical Journal A</i> , 2004, 19, 7-9.	2.5	7
49	High-spin states in $^{188}\text{Au}$ : Further evidence for nonaxial shape. <i>Physical Review C</i> , 2010, 82, .	2.9	7
50	Identification of high-spin states in the stable nucleus $^{195}\text{Pt}$ . <i>Physical Review C</i> , 2011, 84, .	2.9	7
51	Properties of the $^{11/2}$ band in the stable nucleus $^{193}\text{Ir}$ . <i>Physical Review C</i> , 2011, 83, .	2.9	7
52	An angular-resolved multi-channel Thomson parabola spectrometer for laser-driven ion measurement. <i>Review of Scientific Instruments</i> , 2018, 89, 093302.	1.3	7
53	Absolute x-ray calibration of an Amersham imaging plate scanner. <i>Review of Scientific Instruments</i> , 2020, 91, 033105.	1.3	7
54	Systematic trends of neutron skin thickness versus relative neutron excess. <i>Physical Review C</i> , 2021, 104, .	2.9	7

#	ARTICLE	IF	CITATIONS
55	Observation of signature inversion in odd-odd 178Ir. European Physical Journal A, 2000, 8, 439-442.	2.5	6
56	A position-sensitive particle detector for Coulomb excitation experiment. Review of Scientific Instruments, 2002, 73, 47-50.	1.3	6
57	Properties of the $\frac{1}{2}^{\pm}13\frac{1}{2}^{\pm}2$ band in odd-odd Au184. Physical Review C, 2004, 70, .	2.9	6
58	High-spin level scheme of doubly odd 128I. Physical Review C, 2012, 86, .	2.9	6
59	Nonaxial shapes in the odd-odd 194Au nucleus. Physical Review C, 2012, 86, .	2.9	6
60	Thermonuclear $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mmultiscripts}>\langle \text{mml:mi mathvariant="normal">Ti</mml:mi>\langle \text{mml:mprescripts />\langle \text{mml:none />\langle \text{mml:mrow}>\langle \text{mml:mn}>42</mml:mn>\langle \text{mml:mrow}>\langle \text{mml:mmultiscripts}>\langle \text{mml:math}>(\langle \text{mml:math}>T_j \text{ ETQq0 029gBT /Overlock 10$		
61	Isomer yield ratios in Re184 from the Be9+Ta181 reaction. Physical Review C, 2019, 99, .	2.9	6
62	High-spin level scheme and decay of the $67\frac{1}{2}^{\pm}$ isomer in Pm142. Physical Review C, 2004, 70, .	2.9	5
63	Rotational band properties of 173W. Physical Review C, 2012, 86, .	2.9	5
64	Far infrared reflection spectra of $\text{InAsxSb1-x}$ ( $x \in [0, 0.4]$ ) thin films. Journal of Applied Physics, 2013, 113, 213112.	2.5	5
65	spectroscopy of the even-even nucleus $\text{Pt}$ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mmultiscripts}>\langle \text{mml:mi mathvariant="normal">Pt</mml:mi>\langle \text{mml:mprescripts />\langle \text{mml:none />\langle \text{mml:mrow}>\langle \text{mml:mn}>190</mml:mn>\langle \text{mml:mrow}>\langle \text{mml:mmultiscripts}>\langle \text{mml:math}>$	2.9	5
66	Denosing scheme based on singular-value decomposition for one-dimensional spectra and its application in precision storage-ring mass spectrometry. Physical Review E, 2019, 99, 063320.	2.1	5
67	Observation of a $\frac{9}{2}^{\pm}13\frac{1}{2}$ oblate band in 188Tl. European Physical Journal A, 2006, 28, 271-275.	2.5	4
68	High-j proton alignments in 101Pd. European Physical Journal A, 2011, 47, 1.	2.5	4
69	Mass Measurements of Proton-rich Nuclides at the Cooler Storage Ring at IMP. , 2011, , .		4
70	Statistical approaches to lifetime measurements with restricted observation times. Physical Review C, 2017, 96, .	2.9	4
71	X-ray reprocessing in accreting pulsar GX 301-2 observed with Insight-HXMT. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2522-2530.	4.4	4
72	Nuclear Structure far from stability at the $N \approx 50$ Shell Closure. AIP Conference Proceedings, 2008, , .	0.4	3

#	ARTICLE	IF	CITATIONS
73	Experimental study of the $\beta$ -delayed proton decays of $^{145}\text{Er}$ . <i>Physical Review C</i> , 2013, 87, .	2.9	3
74	Properties of the rotational bands in deformed odd-odd $^{184}\text{Au}$ . <i>Physical Review C</i> , 2013, 87, .	2.9	3
75	Thermonuclear $\text{Cr}^{46}\text{Mn}^{47}$ fusion reaction studies for the $\text{Cr}^{46}\text{Mn}^{47}$ system at above-barrier energies. <i>Physical Review C</i> , 2018, 97, .	2.9	3
76	New local mass relation for isobaric analogue states and isospin-nonconserving forces. <i>Physical Review C</i> , 2018, 97, .	2.9	3
77	Fusion reaction studies for the $\text{Be}^{9}\text{Y}^{89}$ system at above-barrier energies. <i>Physical Review C</i> , 2019, 99, .	2.9	3
78	QPOs and Orbital elements of X-ray binary 4U 0115+63 during the 2017 outburst observed by <i>Insight-HXMT</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 0, .	4.4	3
79	An angular-resolved scattered-light diagnostic for laser-plasma instability studies. <i>Review of Scientific Instruments</i> , 2022, 93, 053505.	1.3	3
80	STATUS AND PROSPECTS OF HIRFL EXPERIMENTS ON NUCLEAR PHYSICS. <i>International Journal of Modern Physics E</i> , 2010, 19, 1802-1814.	1.0	2
81	Observation of Zeeman splitting effect in a laser-driven coil. <i>Matter and Radiation at Extremes</i> , 2022, 7, .	3.9	2
82	LIFETIME MEASUREMENTS IN $^{134}\text{Pr}$ AND CHIRALITY IN NUCLEI. <i>International Journal of Modern Physics E</i> , 2006, 15, 1531-1540.	1.0	1
83	Nuclear physics program at HIRFL. , 2010, , .		1
84	Effects of internal target structures on laser-driven neutron production. <i>Nuclear Fusion</i> , 2019, 59, 076032.	3.5	1
85	Effects of pulse duration on magnetic fields generated with a laser-driven coil. <i>High Energy Density Physics</i> , 2020, 37, 100900.	1.5	1
86	Demonstration of enhanced direct-drive implosion efficiency using gradient pulses. <i>Physical Review E</i> , 2022, 105, .	2.1	1
87	First observation of yrast band in odd-odd $^{162}\text{Lu}$ . <i>Zeitschrift für Physik A</i> , 1996, 355, 335-336.	0.9	0
88	First observation of yrast band in odd-odd $^{162}\text{Lu}$ . <i>Zeitschrift für Physik A</i> , 1996, 355, 335-336.	0.9	0
89	Check for chirality in real nuclei. <i>European Physical Journal A</i> , 2005, 25, 447-448.	2.5	0
90	Band properties of the transitional nucleus [ <sup>189</sup> Pt]. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
91	Investigation of the [ <sup>14</sup> O( $\hat{\pm}$ ,p)][ <sup>17</sup> F] stellar reaction via resonant elastic scattering of [ <sup>17</sup> F+p]. , 2012, , .		0
92	BRIEF INTRODUCTION TO THE $\langle \text{sub} \rangle \hat{1}^3 \langle \text{sub} \rangle$ -DETECTOR ARRAY AT INSTITUTE OF MODERN PHYSICS IN LANZHOU. , 2013, , .		0
93	TRIAXIALITY IN NEUTRON-RICH ZR ISOTOPES AND PROJECTED SHELL MODEL DESCRIPTION. , 2013, , .		0
94	Schottky Mass Spectrometry on $\langle \text{sup} \rangle 152 \langle \text{sup} \rangle$ Sm Projectile Fragments. , 2015, , .		0
95	Measurement and analysis of the isomeric cross section ratios for the Tc94 nucleus. Physical Review C, 2020, 102, .	2.9	0
96	SPECTROSCOPY OF $A \hat{a}^1 4190$ Ir-Pt-Au NUCLEI NEAR STABILITY FROM COMPLETE AND INCOMPLETE FUSION REACTION. , 2013, , .		0
97	RECENT RESULTS OF NUCLEAR MASS MEASUREMENTS AT STORAGE RING IN IMP. , 2013, , .		0