

Jean-Charles Thomas

List of Publications by Year in descending order

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79
papers

1,288
citations

394421

19
h-index

377865

34
g-index

80
all docs

80
docs citations

80
times ranked

1074
citing authors

#	ARTICLE	IF	CITATIONS
1	First Observation of Zn^{54} and its Decay by Two-Proton Emission. Physical Review Letters, 2005, 94, 232501.	7.8	134
2	Two-proton radioactivity studies with Fe^{45} and Ni^{48} . Physical Review C, 2005, 72, .	2.9	120
3	Shell Erosion and Shape Coexistence in S_{27} . Physical Review Letters, 2009, 102, 092501.	7.8	70
4	Heavy ion irradiation of crystalline water ice. Astronomy and Astrophysics, 2015, 576, A125.	5.1	67
5	Unveiling the Intruder Deformed Si_{34} . Physical Review Letters, 2012, 109, 092503.	7.8	66
6	Swift heavy ion irradiation of water ice from MeV to GeV energies. Astronomy and Astrophysics, 2013, 557, A97.	5.1	58
7	Measurement of the $\hat{a}^{\hat{c}}\hat{1}/2$ correlation coefficient in the $\hat{1}^2$ decay of trapped He^6 ions. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 055101.	3.6	55
8	Paul Trapping of Radioactive He^6 Ions and Direct Observation of Their $\hat{1}^2$ Decay. Physical Review Letters, 2008, 101, 212504.	7.8	51
9	Experimental Study of the Two-Body Spin-Orbit Force in Nuclei. Physical Review Letters, 2014, 112, 042502.	7.8	46
10	Measurement of the Isoscalar Monopole Response in the Neutron-Rich Nucleus Ni . Physical Review Letters, 2014, 112, 042502.	7.8	38
11	Delayed Proton Decay of Li^3 . Physical Review Letters, 2014, 112, 042502.	7.8	35
12	Probing nuclear forces beyond the drip-line using the mirror nuclei N and F . Physical Review Letters, 2013, 110, 082502.	2.9	35
13	Neutron Radiative Capture Cross Section of ^{232}Th in the Energy Range from 0.06 to 2 MeV. Nuclear Science and Engineering, 2001, 139, 282-292.	1.1	26
14	Isoscalar response of T_z decay of the exotic Li^3 . Physical Review Letters, 2013, 110, 082502.	2.9	26
15	Spectroscopy of Fe to Probe Proton-Neutron Isoscalar response of Ni . Physical Review Letters, 2013, 110, 082502.	7.8	24
16	Production cross-sections of proton-rich ^{70}Ge fragments and the decay of ^{57}Zn and ^{61}Ge . European Physical Journal A, 2007, 31, 267-272.	2.9	23
17	Production cross-sections of proton-rich ^{70}Ge fragments and the decay of ^{57}Zn and ^{61}Ge . European Physical Journal A, 2007, 31, 267-272.	2.5	22
18	Precision measurement of the half-life and the decay branches of ^{62}Ga . European Physical Journal A, 2005, 23, 409-415.	2.5	20

#	ARTICLE	IF	CITATIONS
19	High-precision half-life measurements for the superallowed Fermi β^+ emitter ^{26}Al . Physical Review C, 2012, 85, .	2.9	20
20	First direct lifetime measurement of the 2^+ state in ^{72}Zn on neutron-rich ^{72}Zn and the 1^+ state in ^{74}Zn . Physical Review C, 2012, 85, .	2.9	18
21	Chromocytotoxicity of ^{46}Ca and ^{46}Ar for radioactive heavy-ion beams. Physical Review C, 2016, 93, .	2.9	18
22	Detailed β^+ -decay study of ^{33}Ar . Physical Review C, 2010, 81, .	2.9	17
23	Precision half-life and Q_{β} -value measurement of the super-allowed β^+ emitter ^{30}S . European Physical Journal A, 2011, 47, 1.	2.5	17
24	First direct lifetime measurement of the 2^+ state in ^{72}Zn and ^{74}Zn . Physical Review C, 2012, 85, .	2.9	17
25	Improved half-life determination and Q_{β} -value measurement of the 1^+ state in ^{74}Zn . Physical Review C, 2013, 87, .	2.9	16
26	Probing the reduced 1^+ state in ^{74}Zn . Physical Review C, 2015, 91, .	0.5	16
27	Precision measurements with LPCTrap at GANIL. Hyperfine Interactions, 2015, 236, 1-7.	2.9	15
28	Nuclear structure studies of ^{24}F . Physical Review C, 2015, 92, .	2.9	14
29	High-precision half-life measurement for the isospin $T=1/2$ mirror β^+ -decay of ^{21}Na . Physical Review C, 2015, 91, .	2.9	14
30	Improved half-life determination and Q_{β} -value measurement of the 1^+ state in ^{21}Na . Physical Review C, 2015, 92, .	2.9	13
31	High-precision half-life measurements for the superallowed Fermi β^+ emitter ^{18}Ne . Physical Review C, 2015, 92, .	2.9	13
32	High-precision quadrupole moment reveals significant intruder component in $^{201333}\text{Al}$ ground state. Physical Review C, 2016, 94, .	2.9	13
33	Alpha cluster structure in ^{56}Ni . Journal of Physics: Conference Series, 2013, 436, 012010.	0.4	12
34	Electric quadrupole moment of the neutron-rich ^{33}Al . European Physical Journal A, 2009, 42, 383.	2.5	10
35	Nearly degenerate isomeric states of ^{65}Cu . Physical Review C, 2016, 94, .	2.5	9
36	Half-life determination of $T_z = -1$ and $T_z = -1/2$ proton-rich nuclei and the β^+ emitter ^{17}N . European Physical Journal A, 2017, 53, 1.	2.9	8

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37	Spectroscopy of Na28: Shell evolution toward the drip line. Physical Review C, 2015, 92, . Spectroscopy of ^{61}Fe via the neutron transfer reaction ^{61}H	2.9	8
38	The MORA project. Hyperfine Interactions, 2019, 240, 1.	2.9	8
39	Charge breeding at GANIL: Improvements, results, and comparison with the other facilities. Review of Scientific Instruments, 2020, 91, 023315.	0.5	8
40	The "island of inversion" from a nuclear moments perspective and the g factor of ^{35}Si . European Physical Journal: Special Topics, 2007, 150, 149-153.	1.3	8
41	High-precision half-life measurements of the $T=1/2$ mirror ^{17}F and ^{33}Cl . Physical Review C, 2015, 92, .	2.6	7
42	High precision measurement of the ^{19}Ne β^- -decay half-life using real-time digital acquisition. Physical Review C, 2017, 96, .	2.9	6
43	First observation of ^{54}Zn and its decay by two-proton emission. European Physical Journal A, 2005, 25, 169-172.	2.9	6
44	Using GPU parallelization to perform realistic simulations of the LPCTrap experiments. Hyperfine Interactions, 2015, 235, 87-95.	2.5	5
45	Observation of the ^{52}Co isomer in ^{52}Co	0.5	5
46	Publisher's Note: First Observation of ^{54}Zn and its Decay by Two-Proton Emission [Phys. Rev. Lett. 94, 232501 (2005)]. Physical Review Letters, 2005, 94, .	2.9	5
47	The LPCTrap experiment: measurement of the ^{6}He β^+ angular correlation in ^{6}He using a transparent Paul trap. Hyperfine Interactions, 2006, 172, 29-33.	7.8	4
48	Development of a $^{1+}\text{N}^+$ setup for the production of multicharged radioactive alkali ions in SPIRAL. Review of Scientific Instruments, 2008, 79, 02A904.	0.5	4
49	The LPCTrap experiment: measurement of the $^{6}\text{He}^+$ angular correlation in $^{6}\text{He}^+$ decay using a transparent Paul trap. Hyperfine Interactions, 2011, 199, 29-38.	1.3	4
50	Two-proton radioactivity: 10 years of experimental progresses. Journal of Physics: Conference Series, 2013, 436, 012057.	0.5	4
51	The open LPC Paul trap for precision measurements in beta decay. European Physical Journal A, 2019, 55, 1.	0.4	4
52	Probing nuclear forces beyond the nuclear drip line: the cases of ^{16}F and ^{15}F . European Physical Journal A, 2021, 57, 1.	2.5	4
53	Direct $^{1+}\text{N}^+$ conversion of stable alkali ions using an electron cyclotron resonance ion source. Review of Scientific Instruments, 2010, 81, 02A904.	2.5	4
54	Direct $^{1+}\text{N}^+$ conversion of stable alkali ions using an electron cyclotron resonance ion source. Review of Scientific Instruments, 2010, 81, 02A904.	1.3	3

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55	Production and Separation of Ta^{142} Nuclides for I^2 angular correlation measurements. AIP Conference Proceedings, 2011, , .	0.4	3
56	Latest developments at GANIL for stable and radioactive ion beam production. Review of Scientific Instruments, 2010, 81, 02A909.	1.3	2
57	Study of $[^{60}Fe(n,^{13}C)^{61}Fe]$ reaction of astrophysical interest via $d([^{60}Fe,p)^{61}Fe]$ indirect reaction. , 2010, , .		2
58	Fission fragment yields from heavy-ion-induced reactions measured with a fragment separator. European Physical Journal A, 2018, 54, 1.	2.5	2
59	Detailed study of the decay of ^{32}Ar . European Physical Journal A, 2021, 57, 1.	2.5	2
60	Coulomb and nuclear excitations of Zn^{70} and Ni^{68} at intermediate energy. Physical Review C, 2021, 104, .	2.9	2
61	Quasi-bound low energy tail of resonance. AIP Conference Proceedings, 2007, , .	0.4	1
62	New pathways to bypass the 150 waiting point. AIP Conference Proceedings, 2007, , .	0.4	1
63	The LPCTrap facility: A transparent Paul Trap for the search of exotic couplings in the beta decay of radioactive He^6 ions. Journal of Physics: Conference Series, 2007, 58, 431-434.	0.4	1
64	Beta decay of exotic $T_{[sub Z]}^{1-}$ and $T_{[sub Z]}^{2-}$ nuclei. , 2012, , .		1
65	Study of the neutron rich sulfur isotope ^{43}S through intermediate energy Coulomb excitation. Journal of Physics: Conference Series, 2013, 413, 012030.	0.4	1
66	Competition between I^2 -delayed proton and I^2 -delayed I^3 decay of the exotic $T_z = -2$ nucleus ^{56}Zn and fragmentation of the IAS. , 2015, , .		1
67	Decay of the neutron deficient $[^{32}Ar]$, revisited.. AIP Conference Proceedings, 2007, , .	0.4	0
68	Search for tensor couplings in the weak interaction. European Physical Journal: Special Topics, 2007, 150, 385-388.	2.6	0
69	Magnetic moment of $[^{43m}S]$. , 2008, , .		0
70	Probing High-Velocity Transient-Field Strength Using Heavy-ions Traversing Fe and Gd. , 2009, , .		0
71	Publisher's Note: gfactor of the Cl^{44} ground state: Probing the reduced $Z=16$ and $N=28$ gaps [Phys. Rev. C81, 034308 (2010)]. Physical Review C, 2010, 81, .	2.9	0
72	The Spectroscopic study of $[^{33}Ar]$. , 2011, , .		0

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73	Measurement of the ${}^6\text{Li}$ charge state distributions following the ${}^6\text{He}$ +beta decay. Journal of Physics: Conference Series, 2012, 388, 152013.	0.4	0
74	Low energy isomeric levels of nuclei near $N=40$. Journal of Physics: Conference Series, 2013, 413, 012036.	0.4	0
75	Beta decay of exotic $TZ = -1, -2$ nuclei: the interesting case of ${}^56\text{Zn}$. EPJ Web of Conferences, 2014, 66, 02077.	0.3	0
76	Shape coexistence at $N=20$ and $N=28$: Study of 0_2^+ states in ${}^{34}\text{Si}$ and ${}^{44}\text{S}$. , 2014, , .		0
77	High-Precision Half-life Measurements for the Superallowed \hat{I}^2 +Emitter ${}^{14}\text{O}$. EPJ Web of Conferences, 2014, 66, 05012.	0.3	0
78	High-precision half-life and branching-ratio measurements for superallowed Fermi \hat{I}^2 +emitters at TRIUMF $\hat{\alpha}^c$ ISAC. EPJ Web of Conferences, 2014, 66, 05013.	0.3	0
79	Competition of \hat{I}^2 -delayed protons and \hat{I}^2 -delayed \hat{I}^3 rays in ${}^56\text{Zn}$ and the exotic \hat{I}^2 -delayed \hat{I}^3 -proton decay. EPJ Web of Conferences, 2016, 117, 06019.	0.3	0