

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	Detailed study of the decay of ^{32}Ar . European Physical Journal A, 2021, 57, 1.	2.5	2
2	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
3	Coulomb and nuclear excitations of $\text{Zn}70$ and $\text{Ni}68$ at intermediate energy. Physical Review C, 2021, 104, .	2.9	2
4	Charge breeding at GANIL: Improvements, results, and comparison with the other facilities. Review of Scientific Instruments, 2020, 91, 023315.	1.3	8
5	The open LPC Paul trap for precision measurements in beta decay. European Physical Journal A, 2019, 55, 1.	2.5	4
6	The MORA project. Hyperfine Interactions, 2019, 240, 1.	0.5	8
7	Fission fragment yields from heavy-ion-induced reactions measured with a fragment separator. European Physical Journal A, 2018, 54, 1.	2.5	2
8	Spectroscopy of ^{61}Fe via the neutron transfer reaction $^{61}\text{H} + ^{61}\text{Fe} \rightarrow ^{61}\text{Ni} + n$. Physical Review C, 2018, 97, 054607.	2.9	8
9	Half-life determination of $T_z = -1$ and $T_z = -2$ proton-rich nuclei and the β decay of ^{12}O . European Physical Journal A, 2017, 53, 1.	2.5	9
10	High precision measurement of the ^{19}Ne -decay half-life using real-time digital acquisition. Physical Review C, 2017, 96, .	2.9	6
11	Competition of β^2 -delayed protons and β^2 -delayed β^3 rays in ^{56}Zn and the exotic β^2 -delayed β^3 -proton decay. EPJ Web of Conferences, 2016, 117, 06019.	0.3	0
12	Observation of the ^{52}Co isomer in ^{52}Co . Physical Review C, 2016, 94, .	2.9	5
13	High-precision quadrupole moment reveals significant intruder component in $\text{Al}201333$ ground state. Physical Review C, 2016, 94, .	2.9	13
14	Nearly degenerate isomeric states of ^{75}Cu . Physical Review C, 2016, 94, .	2.9	10
15	Coulomb excitation of ^{44}Ca and ^{44}Ti . Physical Review C, 2016, 93, .	2.9	18
16	Structure studies of ^{26}F and ^{26}Ne . Physical Review C, 2016, 93, .	2.9	26
17	Nuclear structure studies of ^{92}F . Physical Review C, 2015, 92, .	2.9	15
18	Isocaline response of ^{68}Ni to ^{68}Ni -particle and deuteron probes. Physical Review C, 2015, 92, .	2.9	23

#	ARTICLE	IF	CITATIONS
19	High-precision half-life measurements for the superallowed Fermi ⁺ emitter Ne18. Physical Review C, 2015, 92, .	2.9	13
20	Spectroscopy of Na28: Shell evolution toward the drip line. Physical Review C, 2015, 92, .	2.9	8
21	High-precision half-life measurements of the T=1/2 mirror ⁺ decays F17 and Cl33. Physical Review C, 2015, 92, .	2.9	6
22	Competition between ⁺ -delayed proton and ⁺ -delayed ⁺ decay of the exotic Tz = ⁺ 2 nucleus 56Zn and fragmentation of the IAS. , 2015, , .		1
23	Precision measurements with LPCTrap at GANIL. Hyperfine Interactions, 2015, 236, 1-7.	0.5	16
24	Using GPU parallelization to perform realistic simulations of the LPCTrap experiments. Hyperfine Interactions, 2015, 235, 87-95.	0.5	5
25	High-precision half-life measurement for the isospin T=1/2 mirror ⁺ decay of Na21. Physical Review C, 2015, 91, .	2.9	14
26	Heavy ion irradiation of crystalline water ice. Astronomy and Astrophysics, 2015, 576, A125.	5.1	67
27	Beta decay of exotic Tz = -1, -2 nuclei: the interesting case of 56Zn. EPJ Web of Conferences, 2014, 66, 02077.	0.3	0
28	Shape coexistence at N=20 and N=28: Study of 02+ states in 34Si and 44S. , 2014, , .		0
29	Experimental Study of the Two-Body Spin-Orbit Force in Nuclei. Physical Review Letters, 2014, 112, 042502.	7.8	46
30	Measurement of the Isoscalar Monopole Response in the Neutron-Rich Nucleus ^{68}Ni . Physical Review Letters, 2014, 112, 042502.	7.8	38
31	Probing nuclear forces beyond the drip-line using the mirror nuclei ^{24}Mg and ^{25}Mg . Physical Review Letters, 2014, 112, 042502.	7.8	35
32	Improved half-life determination and ^{20}F decay of the superallowed Fermi ⁺ emitter ^{14}O . EPJ Web of Conferences, 2014, 66, 05012.	2.9	35
33	High-Precision Half-life Measurements for the Superallowed Fermi ⁺ Emitter ^{14}O . EPJ Web of Conferences, 2014, 66, 05012.	0.3	0
34	High-precision half-life and branching-ratio measurements for superallowed Fermi ⁺ emitters at TRIUMF and ISAC. EPJ Web of Conferences, 2014, 66, 05013.	0.3	0
35	Spectroscopy of ^{26}F to Probe Proton-Neutron Improved half-life determination and ^{20}F decay of the superallowed Fermi ⁺ emitter ^{14}O . EPJ Web of Conferences, 2014, 66, 05012.	7.8	24
36	^{18}Ne -ray spectroscopy for ^{18}Ne decay. Physical Review C, 2013, 87, .	2.9	13

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37	High-precision half-life measurements for the superallowed Fermi β^+ emitter ^{30}S . <i>Physical Review C</i> , 2013, 88, 014307.	19	20
38	Alpha cluster structure in ^{56}Ni . <i>Journal of Physics: Conference Series</i> , 2013, 436, 012010.	0.4	12
39	Two-proton radioactivity: 10 years of experimental progresses. <i>Journal of Physics: Conference Series</i> , 2013, 436, 012057.	0.4	4
40	Study of the neutron rich sulfur isotope ^{43}S through intermediate energy Coulomb excitation. <i>Journal of Physics: Conference Series</i> , 2013, 413, 012030.	0.4	1
41	Low energy isomeric levels of nuclei near $N=40$. <i>Journal of Physics: Conference Series</i> , 2013, 413, 012036.	0.4	0
42	Swift heavy ion irradiation of water ice from MeV to GeV energies. <i>Astronomy and Astrophysics</i> , 2013, 557, A97.	5.1	58
43	Beta decay of exotic $T_{[Z]}\hat{\alpha}^1$ and $T_{[Z]}\hat{\alpha}^2$ nuclei. , 2012, , .		1
44	Unveiling the intruder deformed 0^+ in ^{34}Si . <i>Physical Review Letters</i> , 2012, 109, 092503.	7.8	66
45	Measurement of the ^6Li charge state distributions following the $^6\text{He} + \beta$ decay. <i>Journal of Physics: Conference Series</i> , 2012, 388, 152013.	0.4	0
46	First g_{72}^+ on neutron-rich ^{72}Zn , and the high-spin 1^+ state in ^{72}Zn . <i>Physical Review C</i> , 2011, 84, 014307.	2.9	18
47	New evidence for a shape transition between ^{72}Zn . <i>Physical Review C</i> , 2011, 84, 014307.	2.9	17
48	Precision half-life and Q -value measurement of the super-allowed β^+ emitter ^{30}S . <i>European Physical Journal A</i> , 2011, 47, 1.	2.5	17
49	The LPCTrap experiment: measurement of the $\hat{I}^2\hat{I}^2$ angular correlation in $^6\text{He} + \beta$ decay using a transparent Paul trap. <i>Hyperfine Interactions</i> , 2011, 199, 29-38.	0.5	4
50	Production and Separation of ^{138}La and ^{139}La Nuclides for $\hat{I}^2\hat{I}^2$ angular correlation measurements. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	3
51	Measurement of the $\hat{I}^2\hat{I}^2$ correlation coefficient $\langle i \rangle_a \langle i \rangle_b$ in the \hat{I}^2 decay of trapped $^6\text{He} + \beta$ ions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2011, 38, 055101.	3.6	55
52	The Spectroscopic study of ^{33}Ar . , 2011, , .		0
53	Latest developments at GANIL for stable and radioactive ion beam production. <i>Review of Scientific Instruments</i> , 2010, 81, 02A909.	1.3	2
54	Direct $1 + \hat{\alpha}^+ N^+$ conversion of stable alkali ions using an electron cyclotron resonance ion source. <i>Review of Scientific Instruments</i> , 2010, 81, 02A904.	1.3	3

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55	Detailed \hat{I}^2 -decay study of Ar33. Physical Review C, 2010, 81, . <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>g</mml:mi></mml:mrow></mml:math> factor of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Cl</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>44</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> ground state: Probing the reduced <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><	2.9	17
56	Shell erosion and shape coexistence in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">S</mml:mi><mml:mn>27</mml:mn><mml:none /><mml:mprescripts /><mml:mrow><mml:mn>17</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">N</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>17</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mat	2.9	16
57	Electric quadrupole moment of the neutron-rich ³³ Al. European Physical Journal A, 2009, 42, 383.	2.9	0
58	Study of [⁶⁰ Fe(n, \hat{I}^3)] ⁶¹ Fe reaction of astrophysical interest via d([⁶⁰ Fe, \hat{I}^3) indirect reaction. , 2010, , .		2
59	Development of a 1+ \hat{a}^+N^+ setup for the production of multicharged radioactive alkali ions in SPIRAL. Review of Scientific Instruments, 2008, 79, 02A904.	7.8	70
60	Magnetic moment of [^{43m} S]. , 2008, , .	2.9	8
61	Paul Trapping of Radioactive He+6 Ions and Direct Observation of Their \hat{I}^2 Decay. Physical Review Letters, 2008, 101, 212504.	2.5	10
62	Probing High-Velocity Transient-Field Strength Using Heavy-ions Traversing Fe and Gd. , 2009, , .		0
63	Decay of the neutron deficient [³² Ar], revisited.. AIP Conference Proceedings, 2007, , .	1.3	4
64	Quasi-bound low energy tail of resonance. AIP Conference Proceedings, 2007, , .	0.4	1
65	New pathways to bypass the 150 waiting point. AIP Conference Proceedings, 2007, , .	0.4	1
66	The LPCTrap facility: A transparent Paul Trap for the search of exotic couplings in the beta decay of radioactive 6He+ ions. Journal of Physics: Conference Series, 2007, 58, 431-434.	0.4	1
67	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
68	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.	2.6	7
69	Search for tensor couplings in the weak interaction. European Physical Journal: Special Topics, 2007, 150, 385-388.	2.6	0
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73	The LPCTrap experiment: measurement of the $\hat{I}^2 \hat{\epsilon}^{1/2}$ angular correlation in ^6He using a transparent Paul trap. <i>Hyperfine Interactions</i> , 2006, 172, 29-33.	0.5	4
74	Precision measurement of the half-life and the decay branches of ^{62}Ga . <i>European Physical Journal A</i> , 2005, 23, 409-415.	2.5	20
75	First observation of ^{54}Zn and its decay by two-proton emission. <i>European Physical Journal A</i> , 2005, 25, 169-172.	2.5	5
76	Two-proton radioactivity studies with ^{45}Fe and ^{48}Ni . <i>Physical Review C</i> , 2005, 72, .	2.9	120
77	Publisher's Note: First Observation of ^{54}Zn and its Decay by Two-Proton Emission [<i>Phys. Rev. Lett.</i> 94, 232501 (2005)]. <i>Physical Review Letters</i> , 2005, 94, .	7.8	4
78	First Observation of ^{54}Zn and its Decay by Two-Proton Emission. <i>Physical Review Letters</i> , 2005, 94, 232501.	7.8	134
79	Neutron Radiative Capture Cross Section of ^{232}Th in the Energy Range from 0.06 to 2 MeV. <i>Nuclear Science and Engineering</i> , 2001, 139, 282-292.	1.1	26