

John Hardy

List of Publications by Year in descending order

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80
papers

3,012
citations

186265

28
h-index

161849

54
g-index

80
all docs

80
docs citations

80
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	<p>critical survey, with implications for nuclear decays: 2020</p> <p>Intensity of a weak 519-keV \hat{I}^3 ray following \hat{I}^2 decay of the superallowed emitter Ar34 determined via the S33 (p, \hat{I}^3) Cl34 reaction. Physical Review C, 2020, 102, .</p>	2.9	117
2	<p>K-shell internal conversion coefficient for M4 decay of the 30.8 keV isomer in Nb93. Physical Review C, 2020, 102, .</p>	2.9	2
3	<p>Intensity of a weak 519-keV \hat{I}^3 ray following \hat{I}^2 decay of the superallowed emitter Ar34 determined via the S33 (p, \hat{I}^3) Cl34 reaction. Physical Review C, 2020, 102, .</p>	2.9	0
4	<p>New precise half-life measurement for the superallowed \hat{I}^2+ emitter Ar34. Physical Review C, 2020, 101, .</p>	2.9	3
5	<p>branching-ratio measurement for the superallowed decay of \hat{I}^2+ emitter Ar34. Physical Review C, 2020, 101, .</p>	2.9	2
6	<p>Precise branching ratio measurement for the superallowed \hat{I}^2+ decay of Si26 : Completion of a second mirror pair. Physical Review C, 2019, 100, .</p>	2.9	5
7	<p>Precise half-life measurement of the superallowed emitter S30. Physical Review C, 2018, 97, .</p>	2.9	4
8	<p>Precise test of internal-conversion theory: $\hat{I}^{\pm}K$ measurements for transitions in nine nuclei spanning 45 $\hat{a}\%$ Z $\hat{a}\%$ 78. Applied Radiation and Isotopes, 2018, 134, 406-409.</p>	1.5	3
9	<p>Precise measurement of $\hat{I}^{\pm}K$ and $\hat{I}^{\pm}T$ for the 39.8-keV E3 transition in Rh103 : Test of internal-conversion theory. Physical Review C, 2018, 98, .</p>	2.9	6
10	<p>High-precision half-life measurement of the \hat{I}^2+ decay of Na21. Physical Review C, 2018, 98, .</p>	2.9	5
11	<p>value of the superallowed \hat{I}^2+ emitter Sc44. Physical Review C, 2018, 98, .</p>	2.9	5
12	<p>The Cyclotron Institute at Texas A&M University. Nuclear Physics News, 2017, 27, 5-13.</p>	0.4	2
13	<p>for the 88.2-keV \hat{I}^2+ emitter Sc44. Physical Review C, 2017, 95, .</p>	2.9	7
14	<p>Precise measurement of $\hat{I}^{\pm}K$ and $\hat{I}^{\pm}T$ for the 109.3-keV M4 transition in Te125 : Test of internal-conversion theory. Physical Review C, 2017, 95, .</p>	2.9	5
15	<p>the 150.8-keV \hat{I}^2+ emitter Te125. Physical Review C, 2017, 95, .</p>	2.9	11
16	<p>Precise measurement of branching ratios in the \hat{I}^2 decay of Ca38. Physical Review C, 2015, 92, .</p>	2.9	9
17	<p>in the \hat{I}^2 decays of Ti44 and Ti46. Physical Review C, 2015, 91, .</p>	2.9	10
18	<p>Parametrization of the statistical rate function for select superallowed transitions. Physical Review C, 2015, 91, .</p>	2.9	32

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37	Precise half-life measurement of the superallowed ${}^{26}\text{Al}$ β^+ decay. Physical Review C, 2009, 79, 044307. $\langle \sigma \rangle = \frac{1}{2} \left(\sigma_{\text{max}} + \sigma_{\text{min}} \right)$	2.9	21
38	Measurement of the half-life of ${}^{198}\text{Au}$ in a nonmetal: High-precision measurement shows no host-material dependence. Physical Review C, 2010, 82, .	2.9	6
39	Comparative tests of isospin-symmetry-breaking corrections to superallowed ${}^{26}\text{Al}$ β^+ decay. Physical Review C, 2009, 79, .	2.9	6
40	Comparative tests of isospin-symmetry-breaking corrections to superallowed ${}^{26}\text{Al}$ β^+ decay. Physical Review C, 2010, 82, .	2.9	68
41	QEC Values of the Superallowed β^+ Emitters ${}^{34}\text{Cl}$ and ${}^{38}\text{K}$. Physical Review Letters, 2009, 103, 252501.	7.8	42
42	Further test of internal-conversion theory with a measurement in ${}^{197}\text{Pt}$. Physical Review C, 2009, 79, .	2.9	16
43	Superallowed β^+ decays: A new survey with precision tests of the conserved vector current hypothesis and. Physical Review C, 2009, 79, .	2.9	343
44	Half-life of the electron-capture decay of ${}^{97}\text{Ru}$: Precision measurement shows no temperature dependence. Physical Review C, 2009, 80, .	2.9	23
45	Precise tests of internal-conversion theory. Applied Radiation and Isotopes, 2008, 66, 701-704.	1.5	3
46	Precise half-life measurement of the superallowed β^+ emitter ${}^{10}\text{C}$. Physical Review C, 2008, 77, .	2.9	12
47	Improved calculation of the isospin-symmetry-breaking corrections to superallowed Fermi β^+ decay. Physical Review C, 2008, 77, .	2.9	183
48	Internal conversion coefficients in ${}^{134}\text{Cs}$. Physical Review C, 2008, 77, .	2.9	24
49	QEC Values of the Superallowed β^+ Emitters ${}^{50}\text{Mn}$ and ${}^{54}\text{Co}$. Physical Review Letters, 2008, 100, 132502.	7.8	70
50	Test of internal-conversion theory with measurements in ${}^{134}\text{Cs}$ and ${}^{137}\text{Ba}$. Physical Review C, 2007, 75, .	2.9	24
51	The half-life of ${}^{198}\text{Au}$: High-precision measurement shows no temperature dependence. European Physical Journal A, 2007, 34, 271-274.	2.5	17
52	Test of internal-conversion theory with precise β^+ - and X-ray spectroscopy. Applied Radiation and Isotopes, 2006, 64, 1392-1395.	1.5	6
53	Branching ratios for the β^+ decay of ${}^{21}\text{Na}$. Physical Review C, 2006, 74, .	2.9	15
54	Q Values of the Superallowed β^+ Emitters ${}^{26}\text{Al}$, ${}^{42}\text{Sc}$, and ${}^{46}\text{V}$ and Their Impact on ν and the Unitarity of the Cabibbo-Kobayashi-Maskawa Matrix. Physical Review Letters, 2006, 97, 232501.	7.8	59

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55	Precise half-life measurements for the superallowed \hat{I}^2 emitters ^{34}Ar and ^{34}Cl . Physical Review C, 2006, 74, .	2.9	28
56	Superallowed $0^+ \hat{I}^2$ decay and CKM unitarity: A new overview including more exotic nuclei. European Physical Journal A, 2005, 25, 695-698.	2.5	9
57	New analysis of ^{14}O decay: Branching ratios and conserved vector current consistency. Physical Review C, 2005, 72, .	2.9	19
58	Precise measurement of K-shell fluorescence yield in iridium: An improved test of internal-conversion theory. Physical Review C, 2005, 71, .	2.9	22
59	New Limits on Fundamental Weak-Interaction Parameters from Superallowed \hat{I}^2 Decay. Physical Review Letters, 2005, 94, 092502.	7.8	71
60	Superallowed $0^+ \hat{I}^2$ nuclear decays: A critical survey with tests of the conserved vector current hypothesis and the standard model. Physical Review C, 2005, 71, .	2.9	175
61	Q Value of the Superallowed Decay of ^{46}V and Its Influence on V_{ud} and the Unitarity of the Cabibbo-Kobayashi-Maskawa Matrix. Physical Review Letters, 2005, 95, 102501.	7.8	86
62	Precise measurement of $f_{\pm K}$ for the $M4$ transition from ^{193}Ir : A test of internal-conversion theory. Physical Review C, 2004, 70, .	2.9	30
63	Q value of the superallowed decay of ^{22}Mg and the calibration of the $^{21}\text{Na}(\rho, \hat{I}^3)$ experiment. Physical Review C, 2004, 70, .	2.9	34
64	Precise efficiency calibration of an HPGe detector up to 3.5 MeV, with measurements and Monte Carlo calculations. Applied Radiation and Isotopes, 2004, 60, 173-177.	1.5	77
65	High precision branching ratio measurement for the superallowed \hat{I}^2 decay of ^{74}Rb : A prerequisite for exacting tests of the standard model. Physical Review C, 2003, 67, .	2.9	42
66	High Precision Measurement of the Superallowed $0^+ \hat{I}^2$ Decay of ^{22}Mg . Physical Review Letters, 2003, 91, 082501.	7.8	49
67	Beta decay of ^{62}Ga . Physical Review C, 2003, 68, .	2.9	25
68	The evaluation of V_{ud} , experiment and theory. Journal of Physics G: Nuclear and Particle Physics, 2003, 29, 197-211.	3.6	56
69	Superallowed $0^+ \hat{I}^2$ beta-decay and CKM unitarity. , 2003, , 393-397.		2
70	Superallowed Beta Decay of Nuclei with $A \leq 62$: The Limiting Effect of Weak Gamow-Teller Branches. Physical Review Letters, 2002, 88, 252501.	7.8	51
71	Calculated corrections to superallowed Fermi \hat{I}^2 decay: New evaluation of the nuclear-structure-dependent terms. Physical Review C, 2002, 66, .	2.9	135
72	Production of Co-60 sources for high-accuracy efficiency calibrations of gamma-ray spectrometers. Applied Radiation and Isotopes, 2002, 56, 215-221.	1.5	31

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73	Precise efficiency calibration of an HPGe detector: source measurements and Monte Carlo calculations with sub-percent precision. Applied Radiation and Isotopes, 2002, 56, 65-69.	1.5	96
74	Precise Half-Life Measurement for the Superallowed $0^+ \rightarrow 0^+$ Emitter ^{74}Rb : First Results from the New Radioactive Beam Facility (ISAC) at TRIUMF. Physical Review Letters, 2001, 86, 1454-1457.	7.8	48
75	^{10}C Superallowed Branching Ratio and the Cabibbo-Kobayashi-Maskawa Matrix Unitarity. Physical Review Letters, 1995, 74, 1521-1524.	7.8	45
76	Tests of Isospin Mixing Corrections in Superallowed $0^+ \rightarrow 0^+$ Decays. Physical Review Letters, 1994, 73, 396-399.	7.8	50
77	Fermi Beta Decay, $A > 40$: The Half-lives of ^{46}V , ^{50}Mn , and ^{54}Co . Physical Review Letters, 1974, 33, 1647-1649.	7.8	26
78	Fermi beta decay: The masses of ^{22}Mg , ^{26}Si , ^{30}S , and ^{34}Ar . Physical Review C, 1974, 9, 252-257.	2.9	20
79	Fermi Beta Decay, $A > 40$: The Masses of ^{42}Sc , ^{46}V , ^{50}Mn , and ^{54}Co . Physical Review Letters, 1974, 33, 320-323.	7.8	47
80	Mirror Asymmetry of Fermi ^{12}C Decay. Physical Review Letters, 1972, 29, 1027-1030.	7.8	21