

K S Krane

List of Publications by Year in descending order

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411
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#	ARTICLE	IF	CITATIONS
1	Cross sections and isomer ratios in the Rb(n, γ) and Sr(n, γ) reactions. European Physical Journal A, 2021, 57, 1.	2.5	4
2	The $^{89}\text{Y}(n,\hat{\beta}^3)$ reaction: Radiative cross sections and the decay of ^{90}Y . Applied Radiation and Isotopes, 2020, 163, 109191.	1.5	1
3	Neutron capture cross sections of 74 , 76 , 78 , 80 , ^{82}Se . European Physical Journal A, 2019, 55, 1.	2.5	1
4	Neutron capture cross sections of ^{178}Hf leading to ^{217}Hf . Physical Review C, 2019, 99, .	2.9	2
5	Neutron capture cross sections of ^{108}Pd and ^{110}Pd . Physical Review C, 2019, 99, .	2.9	2
6	Cross sections for thermal neutron capture by ^{180}W and ^{184}W . Applied Radiation and Isotopes, 2019, 146, 115-119.	1.5	1
7	Neutron capture cross sections of stable Cd isotopes. European Physical Journal A, 2019, 55, 1.	2.5	3
8	The decays of ^{117}Cd following neutron activation of enriched ^{116}Cd . Applied Radiation and Isotopes, 2018, 132, 47-56.	1.5	1
9	$\hat{\beta}^3$ -ray spectroscopy of ^{150}Sm through the $\hat{\beta}^2$ decay of ^{150}Pm ($T=2.7$ h) and ^{150}Eu ($T=12.8$ h). Physical Review C, 2018, 98, .	2.9	2
10	Neutron capture cross sections of ^{70}Zn and the decay of ^{71}mZn . Applied Radiation and Isotopes, 2017, 121, 28-37.	1.5	3
11	Gamma-ray spectrometry in the decay of ^{194}Ir to ^{194}Pt . Applied Radiation and Isotopes, 2016, 115, 32-36.	1.5	2
12	The decays of ^{109}Pd and ^{111}Ag following neutron capture by Pd. Applied Radiation and Isotopes, 2015, 105, 278-289.	1.5	5
13	The decay of ^{194}Au to levels in ^{194}Pt . Applied Radiation and Isotopes, 2015, 103, 135-142.	1.5	4
14	Gamma-ray spectroscopy in the decay of ^{83}Se to levels of ^{83}Br . Applied Radiation and Isotopes, 2015, 97, 12-20.	1.5	3
15	Neutron capture cross sections of ^{194}Hg and the decays of ^{195}Hg . Applied Radiation and Isotopes, 2015, 96, 83-90.	1.5	3
16	Neutron capture by ^{94}Zr and the decays of ^{97}Zr and ^{97}Nb . Applied Radiation and Isotopes, 2014, 94, 60-66.	1.5	8
17	Neutron capture cross sections of ^{184}Os and ^{189}Os and the decays of ^{185}Os . Applied Radiation and Isotopes, 2014, 93, 12-20.	2.9	18
18	The decays of ^{70}Ga to levels of ^{70}Ge and the neutron capture cross sections of ^{69}Ga . Applied Radiation and Isotopes, 2012, 70, 1649-1657.	1.5	9

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19	Gamma-ray energies in the decay of ^{38}Cl . Applied Radiation and Isotopes, 2012, 70, 740-742.	1.5	3
20	$\hat{\beta}^3$ -ray spectroscopy in the decays of ^{80}mBr and ^{82}gBr . Applied Radiation and Isotopes, 2011, 69, 201-204.	1.5	6
21	The decays of ^{152}Eu . Physical Review C, 2006, 74, .	2.9	36
22	Neutron capture cross sections of ^{148}Gd and the decay of ^{149}Gd . Physical Review C, 2006, 74, .	2.9	5
23	An Investigation of ^{154}Eu as a High-Precision Multi- $\hat{\beta}^3$ -Ray Intensity Calibration Standard for Detector Arrays. AIP Conference Proceedings, 2005, , .	0.4	0
24	Identification of a pairing isomeric band in ^{152}Sm . Physical Review C, 2005, 71, .	2.9	32
25	$N=90$ region: The decay of ^{154}Eu to ^{154}Gd . Physical Review C, 2004, 69, .	2.9	21
26	Low-Energy Coexisting Band in ^{154}Gd . Physical Review Letters, 2003, 91, 102501.	7.8	40
27	Cosmic-ray half-life of ^{56}Ni . Physical Review C, 1999, 59, 3393-3396.	2.9	9
28	Neutron capture cross section of ^{44}Ti . Physical Review C, 1998, 58, 2531-2537.	2.9	8
29	Cosmic-ray half-life of ^{144}Pm . Physical Review C, 1998, 57, 2046-2048.	2.9	1
30	Galactic Confinement Time of Iron-Group Cosmic Rays Derived from the $M54$ nChronometer. Physical Review Letters, 1997, 79, 4306-4309.	7.8	15
31	Shape coexistence and electric monopole transitions in ^{184}Pt . Physical Review Letters, 1992, 68, 3853-3856.	7.8	32
32	Nuclear structure studies of ^{187}Ir via on-line nuclear orientation. Hyperfine Interactions, 1992, 75, 447-455.	0.5	1
33	UNISOR on-line nuclear orientation facility (UNISOR/NOF). Hyperfine Interactions, 1988, 43, 151-156.	0.5	9
34	On-line nuclear orientation of odd-odd ^{120}I . Hyperfine Interactions, 1988, 43, 353-362.	0.5	2
35	Triple angular correlations in the decay of ^{110}Agm . Physical Review C, 1988, 37, 747-753.	2.9	3
36	g_R and g_K factors in deformed nuclei. Hyperfine Interactions, 1985, 22, 349-353.	0.5	0

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37	Summary remarks and future prospects for on-line nuclear orientation. <i>Hyperfine Interactions</i> , 1985, 22, 599-612.	0.5	0
38	Nuclear orientation of Ru103: Reanalysis. <i>Physical Review C</i> , 1983, 27, 411-412.	2.9	2
39	First-excited 0+ state in Nd144. <i>Physical Review C</i> , 1983, 27, 2863-2868.	2.9	6
40	The nuclear magnetic moment of 186Ir. <i>Journal of Physics G: Nuclear Physics</i> , 1982, 8, 857-870.	0.8	10
41	Regression line analysis. <i>American Journal of Physics</i> , 1982, 50, 82-84.	0.7	11
42	Iterative solutions of transcendental equations of mathematical physics with the programmable pocket calculator. <i>American Journal of Physics</i> , 1982, 50, 521-527.	0.7	2
43	The falling raindrop: Variations on a theme of Newton. <i>American Journal of Physics</i> , 1981, 49, 113-117.	0.7	15
44	Nuclear orientation study of Ho m166. <i>Physical Review C</i> , 1981, 24, 654-664.	2.9	7
45	Nuclear orientation of 191Pt in Fe. <i>Journal of Physics G: Nuclear Physics</i> , 1981, 7, 1713-1733.	0.8	21
46	Motional Correlation Time of Dilute 111Cd Impurities in Se-Rich Liquid Se-Te Alloys. <i>Materials Research Society Symposia Proceedings</i> , 1980, 3, 369.	0.1	0
47	Angular correlations in the decays of Eu147,149. <i>Physical Review C</i> , 1980, 22, 1254-1259.	2.9	2
48	Angular correlation measurements in the decay of Zn m71. <i>Physical Review C</i> , 1978, 17, 2213-2218.	2.9	4
49	Angular correlation measurements in the decay of Ru105. <i>Physical Review C</i> , 1977, 16, 1576-1580.	2.9	5
50	Angular correlation measurements in the decay of Ru97. <i>Physical Review C</i> , 1977, 15, 1589-1591.	2.9	2
51	Nuclear orientation of Nb95,97 and Zr95 in ZrFe2. <i>Physical Review C</i> , 1976, 13, 831-834.	2.9	9
52	Determination of the nuclear magnetic moment of Hf175 by nuclear orientation. <i>Physical Review C</i> , 1976, 14, 656-659.	2.9	7
53	Nuclear magnetic moment of Ni65. <i>Physical Review C</i> , 1976, 14, 650-652.	2.9	5
54	Nuclear orientation of Ru97,103,105 and Rh105. <i>Physical Review C</i> , 1976, 14, 1183-1188.	2.9	14

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55	Gamma-ray angular distributions in the decays of polarized Lu171,172. Physical Review C, 1976, 13, 1295-1311.	2.9	14
56	Nuclear magnetic moment of Fe59. Physical Review C, 1976, 14, 653-655.	2.9	4
57	Nuclear orientation of As76. Physical Review C, 1976, 13, 1991-1995.	2.9	8
58	Gamma-ray angular distributions and parity tests in the decays of polarized Lu173 and Lu174. Physical Review C, 1975, 12, 1999-2009.	2.9	13
59	Nuclear-orientation measurement of parity admixture in the 501-keV gamma transition in Hf180. Physical Review C, 1975, 12, 286-292.	2.9	8
60	Nuclear orientation study of the decay of Lu177. Physical Review C, 1974, 10, 825-837.	2.9	22
61	Nonalignment of the magnetic hyperfine field of Ir in Fe. Physical Review C, 1974, 9, 2063-2066.	2.9	10
62	Apparent absence of electromagnetic or strong-interaction time-reversal violation in the decay of Hf180. Physical Review C, 1974, 10, 840-852.	2.9	10
63	E2M1 multipole mixing ratios of $2^+ \rightarrow 2^+$ gamma transitions in even-even spherical nuclei. Physical Review C, 1974, 10, 1197-1210.	2.9	15
64	Nuclear Orientation Studies of the Decays of W187 and Os185,191,193. Physical Review C, 1973, 7, 1555-1563.	2.9	16
65	E2M1 Multipole Mixing Ratios of 3^+ Transitions in Even-Even Deformed Nuclei. Physical Review C, 1973, 8, 1494-1499.	2.9	24
66	Parity Mixing and the Nuclear Structure of W183,184 and Nuclear Spin-Lattice Relaxation Following the Decays of Oriented Re183,184g,184m. Physical Review C, 1973, 7, 263-275.	2.9	18
67	Approach to Magnetic Saturation of Impurities in Iron: Effects on Nuclear Alignment, Perturbed Angular Correlation, Mössbauer, and 3^+ -Ray Thermometry Measurements. Physical Review Letters, 1973, 30, 321-325.	7.8	30
68	Enhanced-Sensitivity $3^+ \rightarrow 3^+$ Correlation Test of Time-Reversal Invariance in Hf180. Physical Review Letters, 1973, 31, 1514-1517.	7.8	4
69	Parity-Violating and Normal Multipole Mixing Ratios of the 57-keV Gamma Transition of Hf180. Physical Review C, 1972, 5, 1663-1667.	2.9	14
70	Nuclear Orientation Study of the Decay of Np239 Polarized in ZrFe2: Parity Mixing in Pu239 and Nuclear Structure of Pu239 and Fission Products Xe131,132,133. Physical Review C, 1972, 5, 1671-1678.	2.9	15
71	Nuclear Orientation Study of the Decays of Sb126,127,128. Physical Review C, 1972, 6, 2268-2275.	2.9	15
72	Nuclear Structure and Parity Mixing in the Decays from Oriented Ta182. Physical Review C, 1972, 5, 1104-1113.	2.9	23

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73	Experimental Test of the Kumar-Baranger Pairing-Plus-Quadrupole Force Model in the $A=190$ Region Through $E2 \hat{M}1$ Mixing Amplitudes. <i>Physical Review C</i> , 1971, 3, 240-247.	2.9	25
74	Ultralow Temperature Rotating Nuclear Polarization System. <i>Review of Scientific Instruments</i> , 1971, 42, 1475-1479.	1.3	5
75	$E2M1$ Multipole Mixing Ratios of Gamma Transitions in the "Quasispherical" Nucleus $Xe132$. <i>Physical Review C</i> , 1971, 4, 1419-1431.	2.9	14
76	Nuclear-Orientation Study of the Decay of $Sb125$. <i>Physical Review C</i> , 1971, 4, 565-572.	2.9	12
77	Parity-Violating Asymmetry of the 501-keV Gamma Ray Emitted in the Decay of $Hf180m$. <i>Physical Review C</i> , 1971, 4, 1906-1913.	2.9	36
78	$E2M1$ Multipole Mixing Ratios in the "Spherical" Nuclei $Te124$, $Te126$, and $Xe126$. <i>Physical Review C</i> , 1971, 3, 1649-1655.	2.9	11
79	Parity Mixing and Nuclear Structure in the Decays from Oriented $Gd153,159$ and $Tb161$. <i>Physical Review C</i> , 1971, 4, 1942-1947.	2.9	15
80	Electron-Capture and $\hat{I}^2 \hat{a}^{-}$ Decay of $Sb122$ Oriented in Iron. <i>Physical Review C</i> , 1971, 4, 1329-1333.	2.9	6
81	Observation of 1.5% Parity-Nonconserving \hat{I}^3 -Ray Asymmetry. <i>Physical Review Letters</i> , 1971, 26, 1579-1581.	7.8	22
82	Determination of the $E2M1$ Multipole Mixing Ratios of the Gamma Transitions in $Cd110$. <i>Physical Review C</i> , 1970, 2, 724-734.	2.9	224