Robert Lindsay

List of Publications by Year
in descending order

53 papers	1,163 citations	430442 18 h-index	377514 34 g-index
53 all docs	53 docs citations	53 times ranked	715 citing authors

#	Article	IF	Citations
1	Investigation of pair-correlated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mn>0</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:math> states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ba</mml:mi><mml:mprescripts /><mml:none /><mml:mn>134</mml:mn></mml:mmultiscripts></mml:math> via the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Ba</mml:mi><mml:mprescripts	1.1	4
2	Reflectivity of VUV-sensitive silicon photomultipliers in liquid Xenon. Journal of Instrumentation, 2021, 16, P08002.	0.5	5
3	Spectroscopy of states in Ba136 using the Ba138(p,t) reaction. Physical Review C, 2021, 104, .	1.1	4
4	Corrigendum to â€œBenchmarking 136Xe neutrinoless Î²Î² decay matrix element calculations with the 138Ba(p,t) reactionâ€•[Phys. Lett. B 809 (2020) 135702]. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136532.	1.5	2
5	Benchmarking 136Xe neutrinoless Î²Î² decay matrix element calculations with the 138Ba(p,t) reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135702.	1.5	13
6	Î² and Î³ bands in N=88 , 90, and 92 isotones investigated with a five-dimensional collective Hamiltonian based on covariant density functional theory: Vibrations, shape coexistence, and superdeformation. Physical Review C, 2019, 100, .	1.1	10
7	Modern African nuclear detector laboratory. Hyperfine Interactions, 2019, 240, 1.	0.2	1
8	Thoron standard source. Applied Radiation and Isotopes, 2019, 147, 99-104.	0.7	2
9	Radon in groundwater baseline study prior to unconventional shale gas development and hydraulic fracturing in the Karoo Basin (South Africa). Applied Radiation and Isotopes, 2019, 147, 7-13.	0.7	5
10	Measured and simulated spectra for a 22Na source in a well counter. Radiation Measurements, 2019, 121, 77-85.	0.7	1
11	Characterising fifteen years of continuous atmospheric radon activity observations at Cape Point (South Africa). Atmospheric Environment, 2018, 176, 30-39.	1.9	18
12	Nuclear structure studies relevant to ¹³⁶Xe Î²Î² decay. Journal of Physics: Conference Series, 2018, 1056, 012049.	0.3	1
13	Radon-222 measurements at Cape Point: A characterization of a 15 year time series. Clean Air Journal, 2018, 28, .	0.2	0
14	Radon and Thoron In-air Occupational Exposure Study within Selected Wine Cellars of the Western Cape (South Africa) and Associated Annual Effective Doses. Health Physics, 2017, 112, 98-107.	0.3	5
15	Spectroscopy of low lying states in¹³⁶Cs. Journal of Physics: Conference Series, 2016, 689, 012026.	0.3	5
16	DSAM lifetime measurements for the chiral bands in194Tl. Journal of Physics: Conference Series, 2016, 724, 012028.	0.3	0
17	DSAM lifetime measurements for the chiral pair in 194Tl. European Physical Journal A, 2016, 52, 1.	1.0	17
18	Radon transfer velocity at the waterâ€“air interface. Applied Radiation and Isotopes, 2015, 105, 144-149.	0.7	12

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19	Towards the South African Underground Laboratory (SAUL). Physics Procedia, 2015, 61, 586-590.	1.2	0
20	Determining the radon exhalation rate from a gold mine tailings dump by measuring the gamma radiation. Journal of Environmental Radioactivity, 2015, 140, 16-24.	0.9	10
21	Rotational bands and chirality in 194Tl. European Physical Journal A, 2014, 50, 1.	1.0	22
22	Fate of the naturally occurring radioactive materials during treatment of acid mine drainage with coal fly ash and aluminium hydroxide. Journal of Environmental Management, 2014, 133, 12-17.	3.8	37
23	Close near-degeneracy in a pair of four-quasiparticle bands in 194Tl. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 83-88.	1.5	38
24	Radioactivity of mine water from a gold mine in South Africa. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	3
25	Possible chiral bands in [sup 194]Tl. , 2011, , .		1
26	Candidate chiral bands in 198Tl. European Physical Journal A, 2010, 45, 39-50.	1.0	19
27	In-field radon measurement in water: a novel approach. Journal of Environmental Radioactivity, 2010, 101, 1024-1031.	0.9	8
28	Nonzero Quadrupole Moments of Candidate Tetrahedral Bands. Physical Review Letters, 2010, 104, 022501.	2.9	31
29	In-situgamma-ray mapping of environmental radioactivity atiThemba LABS and associated risk assessment. Radioprotection, 2009, 44, 825-830.	0.5	0
30	Î³-Ray spectrometry of radon in water and the role of radon to representatively sample aquifers. Applied Radiation and Isotopes, 2008, 66, 1623-1626.	0.7	11
31	Determination of soil, sand and ore primordial radionuclide concentrations by full-spectrum analyses of high-purity germanium detector spectra. Applied Radiation and Isotopes, 2008, 66, 855-859.	0.7	25
32	A study of airborne radon levels in Paarl houses (South Africa) and associated source terms, using electret ion chambers and gamma-ray spectrometry. Applied Radiation and Isotopes, 2008, 66, 1611-1614.	0.7	22
33	Possible chirality in the doubly-oddTl198nucleus: Residual interaction at play. Physical Review C, 2008, 78, .	1.1	75
34	Barrier distribution for a â€˜superheavyâ€™ nucleusâ€“nucleus collision. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 651, 27-32.	1.5	29
35	Monitoring the radon flux from gold-mine dumps by Î³-ray mapping. Nuclear Instruments & Methods in Physics Research B, 2004, 213, 775-778.	0.6	8
36	Measurement of radon exhalation from a gold-mine tailings dam by Î³-ray mapping. Radiation Physics and Chemistry, 2004, 71, 797-798.	1.4	6

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37	Displacement energies with the Skyrme Hartreeâ€“Fock method. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 483, 49-54.	1.5	77
38	Single-nucleon transfer to unbound states in the4He(Î±,t)5Lireaction at incident energies of 120, 160, and 200 MeV. Physical Review C, 1998, 57, 1817-1823.	1.1	6
39	Single-nucleon transfer to unbound states by means of theHe4(Î±,3He)5He reaction at 158 and 200 MeV. Physical Review C, 1996, 54, 2485-2492.	1.1	11
40	Inclusive (p,pâ€²) reactions on nuclei in the mass range 115 to 181 at incident energies from 120 to 200 MeV. Physical Review C, 1996, 54, 1756-1765.	1.1	9
41	Preequilibrium (p,pâ€™) measurements and calculations forZr90and neighboring nuclei for incident energies up to 200 MeV. Physical Review C, 1994, 49, 1001-1011.	1.1	37
42	Obtaining average angular momenta from fusion excitation functions near the Coulomb barrier. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 314, 179-184.	1.5	22
43	Statistical multistep direct calculations for (p,pâ€™) continuum spectra up to 200 MeV. Physical Review C, 1992, 46, 1030-1044.	1.1	28
44	Preequilibrium proton emission induced by 80 and 120 MeV protons incident onZr90. Physical Review C, 1991, 43, 678-686.	1.1	49
45	Comment on â€˜â€˜Properties of intermediate width structure inC12(12C,12C)12C (02+)â€™â€™. Physical Review C, 1989, 39, 2082-2083.	1.1	0
46	Scaling of heavy-ion fusion cross sections and other entrance-channel properties. Journal of Physics G: Nuclear and Particle Physics, 1989, 15, L269-L275.	1.4	15
47	Adiabatic coupled-channels evaluation of inelastic scattering. Journal of Physics G: Nuclear Physics, 1986, 12, 529-536.	0.8	27
48	Approximate treatment of coupled-channels effects in sub-barrier fusion. Journal of Physics G: Nuclear Physics, 1984, 10, 805-822.	0.8	83
49	Folding-model analysis of elastic and inelastic Î±-particle scattering using a density-dependent force. Nuclear Physics A, 1984, 425, 205-232.	0.6	295
50	Structure in the 02+ excitation function in 12C + 12C scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 136, 322-326.	1.5	12
51	Fusion oscillations for symmetric light heavy-ion systems. Nuclear Physics A, 1983, 410, 498-512.	0.6	30
52	0+(GS)â†’2+(4.44 MeV) transition density in12C. Journal of Physics G: Nuclear Physics, 1982, 8, 1215-1229.	0.8	11
53	Pilot Study of Thoron Concentration in an Underground Thorium Mine. Health Physics, 0, Publish Ahead of Print, .	0.3	1