Ulli KÃ¶ster

List of Publications by Year
in descending order

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75	2,055	257450	243625
papers	citations	24	44
		h-index	g-index

76	76	76	1644
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combination of terbium-161 with somatostatin receptor antagonistsâ€”a potential paradigm shift for the treatment of neuroendocrine neoplasms. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 1113-1126.	6.4	32
2	KATRIN background due to surface radioimpurities. Astroparticle Physics, 2022, 138, 102686.	4.3	6
3	Strong magnetoelectric coupling at an atomic nonmagnetic electromagnetic probe in bismuth ferrite. Physical Review B, 2022, 105, .	3.2	4
4	Tying Up a Loose End: On the Role of the Câ€Terminal CCHHRAG Fragment of the Metalloregulator CueR. ChemBioChem, 2022, 23, .	2.6	3
5	Room-Temperature 181Ta(TiO2): An e-Î³ TDPAC Study. Crystals, 2022, 12, 946.	2.2	0
6	Low-spin particle-core and hole-core excitations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ca</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>41</mml:mn><mml:mo>,</mml:mo><mml:mn>47</mml:mn><mml:mo>,</mml:mo><mml:mn>49</mml:mn> isotopes studied by cold-neutron-capture reactions. Physical Review C, 2021, 103, .	2.9	3
7	First-in-Humans Application of ¹⁶¹Tb: A Feasibility Study Using ¹⁶¹Tb-DOTATOC. Journal of Nuclear Medicine, 2021, 62, 1391-1397.	5.0	42
8	Medium-spin states of the neutron-rich nucleus <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Br</mml:mi><mml:mprescripts /><mml:none /><mml:mn>87</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2021, 103, .	2.9	5
9	Production of Mass-Separated Erbium-169 Towards the First Preclinical in vitro Investigations. Frontiers in Medicine, 2021, 8, 643175.	2.6	11
10	Simultaneous Visualization of 161Tb- and 177Lu-Labeled Somatostatin Analogues Using Dual-Isotope SPECT Imaging. Pharmaceutics, 2021, 13, 536.	4.5	17
11	Production Cross-Section Measurements for Terbium Radionuclides of Medical Interest Produced in Tantalum Targets Irradiated by 0.3 to 1.7 GeV Protons and Corresponding Thick Target Yield Calculations. Frontiers in Medicine, 2021, 8, 625561.	2.6	5
12	Isotopic distributions of thermal-neutron-induced fission fragments of near-symmetric fission of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>239</mml:mn><mml:mo>,</mml:mo><mml:mn>241</mml:mn></mml:mrow></mml:mmultiscripts></mml:m determined using calorimetric low-temperature detectors. Physical Review C, 2021, 104, .	2.9	2
13	Structure of high-lying levels populated in the 96Y â†’96Zr Î² decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136569.	4.1	5
14	Production cross-section measurements of proton-induced reactions on natural tantalum in the 0.3â€GeVâ€“1.7â€GeV energy range. Applied Radiation and Isotopes, 2021, 178, 109983.	1.5	0
15	Terbium radionuclides for theranostics. , 2021, , .		0
16	Structure of even-even Sr isotopes with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>50</mml:mn><mml:mo>â‰</mml:mo><mml:mi>N</mml:mi> neutrons. Physical Review C, 2021, 104, .	2.9	1
17	Measurement of spallation cross sections for the production of terbium radioisotopes for medical applications from tantalum targets. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 327-329.	1.4	5
18	Electromagnetic isotope separation of gadolinium isotopes for the production of 152,155Tb for radiopharmaceutical applications. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 111-114.	1.4	11

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19	Neutron radiobiology studies with a pure cold neutron beam. Nuclear Instruments & Methods in Physics Research B, 2020, 462, 24-31.	1.4	5
20	Thermal Neutron Relative Biological Effectiveness Factors for Boron Neutron Capture Therapy from In Vitro Irradiations. Cells, 2020, 9, 2144.	4.1	1
21	Shape Coexistence at Zero Spin in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ni</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>64</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Driven by the Monopole Tensor Interaction. Physical Review Letters, 2020, 125, 102502.	7.8	24
22	Cs-131 as an experimental tool for the investigation and quantification of the radiotoxicity of intracellular Auger decays inÂvitro. International Journal of Radiation Biology, 2020, , 1-14.	1.8	2
23	Investigation of neutron emission through the local odd-even effect as a function of the fission product kinetic energy. Physical Review C, 2020, 102, .	2.9	3
24	Aza-BODIPY: A New Vector for Enhanced Theranostic Boron Neutron Capture Therapy Applications. Cells, 2020, 9, 1953.	4.1	27
25	Prompt $\ensuremath{\gamma}$-ray and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Rb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>92</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Y</mml:mi><mml:mprescripts /><mml:none /><mml:mn>96</mml:mn></mml:mmultiscripts></mml:math> yields for thermal-neutron-induced fission.	2.9	6
26	Contrasting properties of particle-particle and hole-hole excitations in 206Tl and 210Bi nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135222.	4.1	6
27	Flexibility of the CueR Metal Site Probed by Instantaneous Change of Element and Oxidation State from Ag^I to Cd^{II}. Chemistry - A European Journal, 2020, 26, 7451-7457.	3.3	10
28	Preparation and in vivo evaluation of red blood cell membrane coated porous silicon nanoparticles implanted with 155Tb. Nuclear Medicine and Biology, 2020, 84-85, 102-110.	0.6	9
29	Detailed low-spin spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mn>65</mml:mn></mml:mmultiscripts></mml:math> via neutron capture reaction. Physical Review C, 2020, 102, .	2.9	1
30	Establishment of a clinical SPECT/CT protocol for imaging of 161Tb. EJNMMI Physics, 2020, 7, 45.	2.7	20
31	Preclinical investigations and first-in-human application of 152Tb-PSMA-617 for PET/CT imaging of prostate cancer. EJNMMI Research, 2019, 9, 68.	2.5	39
32	Production and characterization of no-carrier-added 161Tb as an alternative to the clinically-applied 177Lu for radionuclide therapy. EJNMMI Radiopharmacy and Chemistry, 2019, 4, 12.	3.9	56
33	Internal radiation dosimetry of a 152Tb-labeled antibody in tumor-bearing mice. EJNMMI Research, 2019, 9, 53.	2.5	17
34	Therapeutic Potential of 47Sc in Comparison to 177Lu and 90Y: Preclinical Investigations. Pharmaceutics, 2019, 11, 424.	4.5	24
35	Porous Silicon as a Platform for Radiation Theranostics Together with a Novel RIB-Based Radiolanthanoid. Contrast Media and Molecular Imaging, 2019, 2019, 1-9.	0.8	11
36	Decay properties of the ${3}_{1}^{-}$ level in 96Mo. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 075101.	3.6	7

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37	Terbium-161 for PSMA-targeted radionuclide therapy of prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1919-1930.	6.4	109
38	Lifetime measurements and shape coexistence in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Sr</mml:mi><mml:mprescripts /><mml:none /><mml:mn>97</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2019, 100, .	2.9	13
39	Investigating Core Excitations in the ^{131}Sn One-valence-hole Nucleus. Acta Physica Polonica B, 2019, 50, 285.	0.8	3
40	FIPPS (FIssion Product Prompt Î³-ray Spectrometer) and its first experimental campaign. EPJ Web of Conferences, 2018, 193, 04009.	0.3	20
41	(n,Î³) reactions on rare Ca isotopes: Valence-hole - core excitation couplings in 47Ca. EPJ Web of Conferences, 2018, 193, 05001.	0.3	2
42	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>Î²</mml:mi><mml:mo>â^'</mml:mo></mml:msup></mml: decay study of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Mn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>66</mml:mn></mml:mmultiscripts><mml:mtext>â^'</mml:mtext><mml:mmultiscripts><mml:mi>Fe</mml:mi><mml:mpres	2.9	11
43	Application of Calorimetric Low-Temperature Detectors for the Investigation of Z-Yield Distributions of Fission Fragments. EPJ Web of Conferences, 2018, 193, 04002.	0.3	3
44	Low-spin excitations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mn>97</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2018, 98, .	2.9	7
45	Application of Calorimetric Low-Temperature Detectors for the Investigation of Z-Yield Distributions of Fission Fragments. Journal of Low Temperature Physics, 2018, 193, 1257-1262.	1.4	5
46	The Low-spin Structure of ^{206}Tl Studied by $gamma $-ray Spectroscopy from Thermal Neutron Capture Reaction. Acta Physica Polonica B, 2018, 49, 561.	0.8	4
47	Clinical evaluation of the radiolanthanide terbium-152: first-in-human PET/CT with ¹⁵²Tb-DOTATOC. Dalton Transactions, 2017, 46, 14638-14646.	3.3	61
48	Theoretical investigation of fission fragment kinetic energy distributions in the symmetric mass region for233U(nth,f). EPJ Web of Conferences, 2017, 146, 04063.	0.3	5
49	Identification of excited states and collectivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">Se</mml:mi><mml:mprescripts /><mml:none /><mml:mn>88</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review C, 2017, 95, .	2.9	15
50	Fission fragment yield distribution in the heavy-mass region from the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mn>239</mml:mn></mml:mmultiscripts></mml:math> (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217 T	2.9	14
51	Shape coexistence in the odd-odd nucleus <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Y</mml:mi><mml:mprescripts /><mml:none /><mml:mn>98</mml:mn></mml:mmultiscripts></mml:math> : The role of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>g</mml:mi><mml:mrow><mml:mn>9</mml:mn><mml:mn><mml: Physical Review C, 2017, 96, .	2.9	16
52	Abrupt shape transition at neutron number <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>60</mml:mn></mml:m : <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>B</mml:mi><mml:mo>(</mml:mo><mml:mi>E2</mml:mi><mml:mi> values in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi	2.9	29
53	Lifetimes of excited states in <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: mathvariant="bold states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mn>66</mml:mn></mml:mmultiscripts></mml:math> from lifetime measurements. Physical Review C, 2017, 95, .	2.9	19
54	Structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Kr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>90</mml:mn><mml:mo>,</mml:mo><mml:mn>91</mml:mn></mml:mrow></mml:mmultiscripts></mml:math nuclei: Solving the puzzle of their population in fission. Physical Review C, 2017, 95, .	2.9	10

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55	47Sc as useful Î²â€“-emitter for the radiotheragnostic paradigm: a comparative study of feasible production routes. EJNMMI Radiopharmacy and Chemistry, 2017, 2, 5.	3.9	60
56	Kinetic energy dependence of fission fragment isomeric ratios for spherical nuclei 132 Sn. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 190-195.	4.1	11
57	EXILLâ€”a high-efficiency, high-resolution setup for Î³-spectroscopy at an intense cold neutron beam facility. Journal of Instrumentation, 2017, 12, P11003-P11003.	1.2	39
58	The mutable nature of particle-core excitations with spin in the one-valence-proton nucleus 133 Sb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 273-278.	4.1	27
59	Approaching complete low-spin spectroscopy ofBi210with a cold-neutron capture reaction. Physical Review C, 2016, 93, .	2.9	12
60	Low-spin structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Br</mml:mi><mml:mn>51</mml:mn><mml:none /><mml:mprescripts /><mml:mn>35</mml:mn><mml:mn>86</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Kr</mml:mi><mml:mn>50</mml:mn><mml:none	2.9	13
61	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mi>2</mml:mi><mml:mo>â^'</mml:mo></ ground-state transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Bi</mml:mi><mml:mprescripts /><mml:none /><mml:mn>210</mml:mn></mml:mmultiscripts></mml:math>via multivariable angular correlation analysis. Physical Review C, 2016, 94, .	2.9	10
62	Contribution of Auger/conversion electrons to renal side effects after radionuclide therapy: preclinical comparison of 161Tb-folate and 177Lu-folate. EJNMMI Research, 2016, 6, 13.	2.5	43
63	Preclinical in vivo application of 152Tb-DOTANOC: a radiolanthanide for PET imaging. EJNMMI Research, 2016, 6, 35.	2.5	40
64	Low spin structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Se</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>86</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>: Confirmation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math>collectivity	2.9	22
65	Anti-L1CAM radioimmunotherapy is more effective with the radiolanthanide terbium-161 compared to lutetium-177 in an ovarian cancer model. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1907-1915.	6.4	51
66	Promising Prospects for ⁴⁴Sc-/⁴⁷Sc-Based Theragnostics: Application of ⁴⁷Sc for Radionuclide Tumor Therapy in Mice. Journal of Nuclear Medicine, 2014, 55, 1658-1664.	5.0	163
67	A Unique Matched Quadruplet of Terbium Radioisotopes for PET and SPECT and for Î±- and Î²^{â^'}-Radionuclide Therapy: An In Vivo Proof-of-Concept Study with a New Receptor-Targeted Folate Derivative. Journal of Nuclear Medicine, 2012, 53, 1951-1959.	5.0	189
68	Isotopic yield measurement in the heavy mass region for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>239</mml:mn></mml:msup></mml:math>Pu thermal neutron induced fission. Physical Review C, 2011, 84, .	2.9	44
69	The low-energy Î²â^' and electron emitter 161Tb as an alternative to 177Lu for targeted radionuclide therapy. Nuclear Medicine and Biology, 2011, 38, 917-924.	0.6	120
70	Experience with in-pile fission targets at LOHENGRIN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 363-370.	1.6	21
71	New Type of Asymmetric Fission in Proton-Rich Nuclei. Physical Review Letters, 2010, 105, 252502.	7.8	197
72	Oxide fiber targets at ISOLDE. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 303-313.	1.4	34

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73	Resonant laser ionization of radioactive atoms. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2003, 58, 1047-1068.	2.9	91
74	Resonance ionization laser ion sources. Nuclear Physics A, 2002, 701, 441-451.	1.5	46
75	ISOLDE target and ion source chemistry. Radiochimica Acta, 2001, 89, .	1.2	50