

Katerina Chrysalidis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8573907/publications.pdf>

Version: 2024-02-01

45
papers

730
citations

623188

14
h-index

552369

26
g-index

45
all docs

45
docs citations

45
times ranked

778
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion beam production and study of radioactive isotopes with the laser ion source at ISOLDE. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 084006.	1.4	97
2	The electron capture in ^{163}Ho experiment $\hat{=}$ ECHO. European Physical Journal: Special Topics, 2017, 226, 1623-1694.	1.2	97
3	Spectroscopy of short-lived radioactive molecules. Nature, 2020, 581, 396-400.	13.7	78
4	The electron affinity of astatine. Nature Communications, 2020, 11, 3824.	5.8	42
5	Precision Mass Measurements of ^{58}Cr and ^{63}Cr : Nuclear Collectivity Towards the ^{40}N Island	2.9	40
6	Large Shape Staggering in Neutron-Deficient Bi Isotopes. Physical Review Letters, 2021, 127, 192501.	2.9	27
7	Resonance ionization of holmium for ion implantation in microcalorimeters. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 388-392.	0.6	25
8	Isotope Shifts of Radium Monofluoride Molecules. Physical Review Letters, 2021, 127, 033001.	2.9	23
9	CERN-MEDICIS: A Review Since Commissioning in 2017. Frontiers in Medicine, 2021, 8, 693682.	1.2	22
10	Laser-spectroscopy studies of the nuclear structure of neutron-rich radium. Physical Review C, 2018, 97, .	1.1	21
11	Mass measurements of ^{99}In challenge ab initio nuclear theory of the nuclide ^{100}Sn . Nature Physics, 2021, 17, 1099-1103.	6.5	21
12	Alternative approach to populate and study the ^{229}Th nuclear clock isomer. Physical Review C, 2019, 100, .	1.1	19
13	Evidence of a sudden increase in the nuclear size of proton-rich silver-96. Nature Communications, 2021, 12, 4596.	5.8	19
14	Continuously tunable diamond Raman laser for resonance laser ionization. Optics Letters, 2019, 44, 3924.	1.7	19
15	Enhancing the extraction of laser-ionized beams from an arc discharge ion source volume. Nuclear Instruments & Methods in Physics Research B, 2018, 431, 59-66.	0.6	14
16	Broadly tunable linewidth-invariant Raman Stokes comb for selective resonance photoionization. Optics Express, 2020, 28, 8589.	1.7	14
17	Spectral synthesis of multimode lasers to the Fourier limit in integrated Fabry-Perot diamond resonators. Optica, 2022, 9, 317.	4.8	14
18	Laser photodetachment of radioactive ^{128}I . Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 104003.	1.4	13

#	ARTICLE	IF	CITATIONS
19	RILIS-ionized mercury and tellurium beams at ISOLDE CERN. <i>Hyperfine Interactions</i> , 2017, 238, 1.	0.2	11
20	Efficient Production of High Specific Activity Thulium-167 at Paul Scherrer Institute and CERN-MEDICIS. <i>Frontiers in Medicine</i> , 2021, 8, 712374.	1.2	11
21	Production, isolation and characterization of radiochemically pure ^{163}Ho samples for the ECHO-project. <i>Radiochimica Acta</i> , 2018, 106, 535-547.	0.5	10
22	Detailed spectroscopy of doubly magic ^{132}Sn . <i>Physical Review C</i> , 2020, 102, .	1.1	10
23	Impact of Nuclear Deformation and Pairing on the Charge Radii of Palladium Isotopes. <i>Physical Review Letters</i> , 2022, 128, 152501.	2.9	10
24	\hat{I}^2 decay of $\text{In}^{133} : \hat{I}^3$ emission from neutron-unbound states in Sn^{133} . <i>Physical Review C</i> , 2019, 99, .	1.1	9
25	Measurement of the ^{7}Be cross section at thermal energy. <i>Physical Review C</i> , 2019, 80, .	1.1	9
26	Tunable spectral squeezers based on monolithically integrated diamond Raman resonators. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	8
27	The identification of autoionizing states of atomic chromium for the resonance ionization laser ion source of the ISOLDE radioactive ion beam facility. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 129, 58-63.	1.5	7
28	\hat{I}^2 -delayed fission of isomers in Bi^{188} . <i>Physical Review C</i> , 2020, 102, .	1.1	7
29	First demonstration of Doppler-free 2-photon in-source laser spectroscopy at the ISOLDE-RILIS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020, 463, 476-481.	0.6	6
30	First ^{135}In \hat{I}^2 -decay spectroscopy of ^{135}In and new ^{135}In \hat{I}^2 -decay branches of ^{135}In .	1.1	5
31	Investigation of Low-lying States in ^{133}Sn Populated in the β Decay of ^{133}In Using Isomer-selective Laser Ionization. <i>Acta Physica Polonica B</i> , 2018, 49, 523.	0.3	4
32	Radium ionization scheme development: The first observed autoionizing states and optical pumping effects in the hot cavity environment. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 150, 99-104.	1.5	3
33	Developments towards the delivery of selenium ion beams at ISOLDE. <i>European Physical Journal A</i> , 2019, 55, 1.	1.0	3
34	In-source laser photoionization spectroscopy of Bi isotopes: accuracy of the technique and methods of data analysis. <i>Hyperfine Interactions</i> , 2020, 241, 1.	0.2	3
35	In-source laser spectroscopy of dysprosium isotopes at the ISOLDE-RILIS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020, 463, 472-475.	0.6	2
36	A cold electron-impact ion source driven by a photo-cathode – New opportunities for the delivery of radioactive molecular beams?. <i>Journal of Physics: Conference Series</i> , 2022, 2244, 012072.	0.3	2

#	ARTICLE	IF	CITATIONS
37	A concept for the extraction of the most refractory elements at CERN-ISOLDE as carbonyl complex ions. European Physical Journal A, 2022, 58, .	1.0	2
38	Resonance ionization scheme development for europium. Hyperfine Interactions, 2017, 238, 1.	0.2	1
39	New \hat{I}^2 -decaying state in Bi214. Physical Review C, 2021, 104, .	1.1	1
40	Monolithically integrated widely tunable single-frequency diamond Raman lasers. , 2021, , .		1
41	The CERN/ISOLDE Laser Ion Source. , 2017, , .		0
42	Continuously tunable diamond Raman laser for resonance ionization experiments at CERN. , 2019, , .		0
43	Enabling the use of Raman lasers for spectroscopy: continuous tunability, narrow linewidth and efficient cascading in diamond. , 2020, , .		0
44	Spectral and polarization effects in cascaded narrow linewidth diamond Raman lasers. , 2020, , .		0
45	Efficient linewidth compression to the Fourier limit via resonant phonon interaction in diamond. , 2021, , .		0