

Lubos Krupa

List of Publications by Year in descending order

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79
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docs citations

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times ranked

590
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaporation-residue cross sections in complete fusion reactions leading to Hg and Rn isotopes. Physical Review C, 2022, 105, .	2.9	2
2	Cross section of the $^{232}\text{Th}(n, f)$ reaction in the MeV neutron energy region. European Physical Journal A, 2022, 58, 1.	2.5	4
3	for the $^{35}\text{Cl}(n, p)^{32}\text{S}$ reaction in the 3.3–5.3 MeV		
4	Optimizing the Solid-State ISOL Technique for Separating Volatile Products of Complete Fusion Reactions. Bulletin of the Russian Academy of Sciences: Physics, 2020, 84, 430-435.	0.6	0
5	Study of neutron-rich isotopes near N=152 shell closure using Timepix type detectors integrated into the mass separator MASHA. Journal of Instrumentation, 2020, 15, C02008-C02008.	1.2	0
6	Cross-section measurements for $^{58,60,61}\text{Ni}(n, \hat{1}\pm)^{55,57,58}\text{Fe}$ reactions in the 4.50 – 5.50 MeV neutron energy region*. Chinese Physics C, 2020, 44, 114102.	3.7	13
7	OPTIMIZATION OF THE SYSTEM OF SOLID-STATE SEPARATION OF VOLATILE PRODUCTS OF REACTIONS OF COMPLETE FUSION WITH HEAVY IONS. Vestnik Me ³ / ₄ dunarodnogo Universiteta Prirody, Ob ¹ / ₂ estva I ¹ / ₂ eloveka Dubna, 2020, , 13-19.	0.0	0
8	Study of production stability of radon and mercury isotopes in complete fusion reactions at the mass-separator MASHA by ¹ / ₂ solid hot catcher ¹ / ₂ technique. AIP Conference Proceedings, 2019, , .	0.4	0
9	Pulse shape analysing system for a gridded ionization chamber. Journal of Instrumentation, 2019, 14, T11005-T11005.	1.2	0
10	The current status of the MASHA setup. Hyperfine Interactions, 2017, 238, 1.	0.5	5
11	New systematic features in the neutron-deficient Au isotopes. Journal of Physics C: Nuclear and Particle Physics, 2017, 44, 074003.	3.6	10
12	A new beam diagnostic system for the MASHA setup. Physics of Particles and Nuclei Letters, 2016, 13, 586-590.	0.4	3
13	Data acquisition system for the social plane detector of the mass separator MASHA. Physics of Particles and Nuclei Letters, 2016, 13, 595-597.	0.4	1
14	Cross sections of the $^{56}\text{Fe}(n, \hat{1}\pm)^{53}\text{Cr}$ and $^{54}\text{Fe}(n, \hat{1}\pm)^{51}\text{Cr}$ reactions in the MeV region. Physical Review C, 2015, 92, .	2.9	12
15	Differential and angle-integrated cross sections for the $^{40}\text{Ca}(n, \hat{1}\pm)^{37}\text{Ar}$ reaction from 4.0 to 6.5 MeV. European Physical Journal A, 2015, 51, 1.	2.5	5
16	Publisher's Note: Fusion-fission and quasifission of superheavy systems with $Z=110$ – 116 formed in ^{48}Ca -induced reactions [Phys. Rev. C90, 054608 (2014)]. Physical Review C, 2014, 90, .	2.9	1
17	Possibilities of research for on-line mass separator with heavy ion reactions. Journal of Physics: Conference Series, 2014, 533, 012048.	0.4	0
18	Separation efficiency of the MASHA facility for short-lived mercury isotopes. Hyperfine Interactions, 2014, 227, 209-221.	0.5	1

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19	MASHA separator on the heavy ion beam for determining masses and nuclear physical properties of isotopes of heavy and superheavy elements. Instruments and Experimental Techniques, 2014, 57, 386-393.	0.5	10
20	Fusion-fission and quasifission of superheavy systems with $Z > 110$ induced reactions. Physical Review C, 2014, 90, .	2.9	51
21	MASS-SPECTROMETRIC METHOD TO STUDY THE PROPERTIES OF HEAVY NUCLEI. , 2013, , .		0
22	Fission and quasifission modes in heavy-ion-induced reactions leading to the formation of Hs $Z > 110$. Physical Review C, 2011, 83, .	2.9	92
23	CalcTav - Integration of a Spreadsheet and Taverna Workbench. Bioinformatics, 2011, 27, 2618-9.	4.1	1
24	Investigation of the reaction $^{64}\text{Ni} + ^{238}\text{U}$ being an option of synthesizing element 120. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 686, 227-232.	4.1	77
25	Neutron Emission in Fission And Quasi-Fission of Hs. , 2010, , .		1
26	Symmetric and asymmetric quasifission modes in reactions with heavy ions. , 2009, , .		2
27	The fusion-fission and quasi-fission processes in the reaction $^{48}\text{Ca} + ^{208}\text{Pb}$ at energies near the Coulomb barrier. Nuclear Physics A, 2008, 802, 45-66.	1.5	60
28	The CORSET time-of-flight spectrometer for measuring binary products of nuclear reactions. Instruments and Experimental Techniques, 2008, 51, 44-58.	0.5	75
29	RECENT EXPERIMENTS AT GAMMASPHERE INTENDED TO THE STUDY OF ^{252}Cf SPONTANEOUS FISSION. , 2008, , .		0
30	YIELDS OF CORRELATED FRAGMENT PAIRS AND AVERAGE GAMMA-RAY MULTIPLICITIES AND ENERGIES IN $^{208}\text{Pb} + ^{18}\text{O} \rightarrow ^{274}\text{Hs}$. , 2008, , .		0
31	THE PROCESSES OF FUSION-FISSION AND QUASI-FISSION OF SUPERHEAVY NUCLEI. , 2008, , .		1
32	MANIFESTATION OF AVERAGE γ -RAY MULTIPLICITY IN THE FISSION MODES OF $^{252}\text{Cf}(\text{SF})$ AND THE PROTON-INDUCED FISSION OF ^{233}Pa , ^{239}Np AND ^{243}Am . , 2008, , .		0
33	DYNAMICS OF CAPTURE QUASIFISSION AND FUSION-FISSION COMPETITION. , 2008, , .		0
34	MASS-ENERGY CHARACTERISTICS OF THE REACTIONS $^{58}\text{Fe} + ^{208}\text{Pb} \rightarrow ^{266}\text{Hs}$ AND $^{26}\text{Mg} + ^{248}\text{Cm} \rightarrow ^{274}\text{Hs}$ AT COULOMB BARRIER. , 2008, , .		0
35	THE PROCESS OF FUSION-FISSION OF SUPERHEAVY NUCLEI. International Journal of Modern Physics E, 2007, 16, 957-968.	1.0	12
36	The processes of fusion-fission and quasi-fission of superheavy nuclei. Nuclear Physics A, 2007, 787, 150-159.	1.5	75

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37	Fission fragment properties obtained in the $\hat{I}^3 - \hat{I}^3 - \hat{I}^3$ coincidence method in the reaction $208\text{Pb}(18\text{O}, f)$. European Physical Journal A, 2007, 34, 23-28.	2.5	36
38	What can one learn about lithium breakup from the fission reaction of $^{232}\text{Th}(6\text{Li}, \hat{\alpha}\%f)$ at energies around the Coulomb barrier?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 640, 23-27.	4.1	20
39	Bimodal fission in binary and ternary spontaneous fission of ^{252}Cf . Physics of Atomic Nuclei, 2006, 69, 1161-1167.	0.4	5
40	Experiment aimed at the study of ^{252}Cf binary and ternary fission. Physics of Atomic Nuclei, 2006, 69, 1405-1408.	0.4	0
41	The Peculiarities of the Production and Decay of Superheavy Nuclei. AIP Conference Proceedings, 2006, , .	0.4	8
42	Fission Dynamics in the Proton Induced Fission of Actinide Nuclei at Intermediate Energies. AIP Conference Proceedings, 2006, , .	0.4	4
43	Efficient fitting algorithms applied to analysis of coincidence \hat{I}^3 -ray spectra. Computer Physics Communications, 2005, 172, 19-41.	7.5	5
44	Angular momenta of fission fragments in the \hat{I}^{\pm} -accompanied fission of ^{252}Cf . European Physical Journal A, 2005, 24, 373-378.	2.5	8
45	Capture and Fusion-Fission Processes in Heavy Ion Induced Reactions. AIP Conference Proceedings, 2005, , .	0.4	0
46	Ternary fission of ^{252}Cf : 3368keV \hat{I}^3 radiation from ^{10}Be fragments. Physical Review C, 2004, 69, .	2.9	22
47	New data on the ternary fission of ^{252}Cf from the Gammasphere facility. Physics of Atomic Nuclei, 2004, 67, 1860-1865.	0.4	15
48	Shell Effects in Fusion and Fission of Heavy and Superheavy Nuclei. Acta Physica Hungarica A Heavy Ion Physics, 2004, 19, 9-18.	0.4	2
49	Shell effects in fission and quasi-fission of heavy and superheavy nuclei. Nuclear Physics A, 2004, 734, 136-147.	1.5	132
50	Capture and dissipation in the superheavy region. Nuclear Physics A, 2004, 734, 184-187.	1.5	7
51	Fission dynamics in the proton induced fission of heavy nuclei. Nuclear Physics A, 2004, 734, 253-256.	1.5	15
52	Decomposition of continuum \hat{I}^3 -ray spectra using synthesized response matrix. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 516, 172-183.	1.6	21
53	Nuclear Fission and Structure Studies with Gammasphere. , 2004, , 523-533.		0
54	TRACKING DISSIPATION IN CAPTURE REACTIONS IN THE SUPERHEAVY REGION. , 2004, , .		0

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55	IDENTIFICATION OF EXCITED 10BE CLUSTERS BORN IN TERNARY FISSION OF 252CF. , 2004, , .		1
56	Identification of Gamma Transitions from He and Be Ternary Fission Fragments. Acta Physica Hungarica A Heavy Ion Physics, 2003, 18, 383-391.	0.4	0
57	Efficient storing of multidimensional histograms using advanced compression techniques. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 502, 725-727.	1.6	2
58	Analysis of coincidence $\hat{1}^3$ -ray spectra using advanced background elimination, unfolding and fitting algorithms. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 502, 784-786.	1.6	7
59	Fusion-fission of heavy and superheavy nuclei. Physics of Atomic Nuclei, 2003, 66, 1118-1124.	0.4	6
60	Tracking dissipation in capture reactions. Physics of Atomic Nuclei, 2003, 66, 1168-1172.	0.4	0
61	New achievements in development of multidimensional data acquisition, processing and visualization system"DAQPROVIS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 502, 728-730.	1.6	1
62	Study of Fitting Algorithms Applied to Simultaneous Analysis of Large Numbers of Peaks in $\hat{1}^3$ -ray Spectra. Applied Spectroscopy, 2003, 57, 753-760.	2.2	7
63	COMPETITION BETWEEN FUSION-FISSION AND QUASIFISSION IN HEAVY-ION REACTIONS LEADING TO SUPERHEAVY ELEMENTS. , 2003, , .		0
64	GAMMA-RAY EMISSION FROM FISSION OF HEAVY NUCLEI. , 2003, , .		0
65	Gamma-ray multiplicity distribution in ternary fission of 252Cf. Journal of Physics C: Nuclear and Particle Physics, 2002, 28, 2893-2905.	3.6	7
66	Fusion-fission of Superheavy Nuclei. Journal of Nuclear and Radiochemical Sciences, 2002, 3, 57-61.	0.7	36
67	Cold and hot binary and ternary fission yields in the spontaneous fission of 252Cf. Physics of Atomic Nuclei, 2002, 65, 645-652.	0.4	10
68	GAMMA RAY EMISSION IN FISSION AND QUASIFISSION OF HEAVY AND SUPERHEAVY ELEMENTS. , 2002, , .		1
69	INVESTIGATION OF NEUTRON AND GAMMA MULTIPLICITIES IN REACTIONS WITH HEAVY IONS LEADING TO THE PRODUCTION OF SUPERHEAVY NUCLEI CLOSE TO THE ISLAND OF STABILITY. , 2002, , .		2
70	Binary and ternary fission studies with 252Cf. Progress in Particle and Nuclear Physics, 2001, 46, 221-229.	14.4	12
71	Behavior of Nuclear Matter under Extreme Conditions in Fission. Acta Physica Hungarica A Heavy Ion Physics, 2001, 14, 161-168.	0.4	0
72	Binary and Ternary Fission Yields of 252Cf. , 2001, , 173-184.		2

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73	5Heterary fission yields of ²⁵² Cfand ²³⁵ U(n,f). Physical Review C, 2000, 61, .	2.9	9
74	Fission of nuclei with. , 1998, , .		0
75	On optical transition radiation of charged particles in SiO ₂ -aerogels. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 384, 387-402.	1.6	6
76	Cross-section measurements for the ^{58,60,61} Ni(n, $\hat{\pm}$) ^{55,57,58} Fe reactions at 8.50, 9.50 and 10.50 MeV neutron energies. Chinese Physics C, 0, , .	3.7	2