

Jerzy Aukasik

List of Publications by Year in descending order

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86
papers

2,302
citations

218677

26
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88
all docs

88
docs citations

88
times ranked

800
citing authors

#	ARTICLE	IF	CITATIONS
1	Symmetry energy from elliptic flow in 197Au +197Au. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 471-476.	4.1	181
2	Results of the ASY-EOS experiment at GSI: The symmetry energy at suprasaturation density. Physical Review C, 2016, 94, .	2.9	176
3	Dynamical effects and intermediate mass fragment production in peripheral and semicentral collisions of Xe+Sn at 50 MeV/nucleon. Physical Review C, 1997, 55, 1906-1916.	2.9	125
4	Surveying the nuclear caloric curve. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 390, 41-48.	4.1	125
5	Isotopic Scaling and the Symmetry Energy in Spectator Fragmentation. Physical Review Letters, 2005, 94, 162701.	7.8	109
6	Probing the Symmetry Energy with the Spectral Pion Ratio. Physical Review Letters, 2021, 126, 162701.	7.8	95
7	Systematics of stopping and flow in Au+ Au collisions. European Physical Journal A, 2006, 30, 31-46.	2.5	92
8	Onset of midvelocity emissions in symmetric heavy ion reactions. Physical Review C, 1999, 61, .	2.9	88
9	Isospin-dependent multifragmentation of relativistic projectiles. Physical Review C, 2011, 83, .	2.9	88
10	Directed and elliptic flow in 197Au + 197Au at intermediate energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 608, 223-230.	4.1	85
11	Nonequilibrium dynamics in heavy-ion collisions at low energies available at the GSI Schwerionen Synchrotron. Physical Review C, 2011, 83, .	2.9	67
12	Isotopic Dependence of the Nuclear Caloric Curve. Physical Review Letters, 2009, 102, 152701.	7.8	65
13	The FAZIA project in Europe: R&D phase. European Physical Journal A, 2014, 50, 1.	2.5	63
14	Bimodal Behavior of the Heaviest Fragment Distribution in Projectile Fragmentation. Physical Review Letters, 2009, 103, 072701.	7.8	59
15	Model-independent tracking of criticality signals in nuclear multifragmentation data. Physical Review C, 2005, 71, .	2.9	43
16	Thermal and chemical freeze-out in spectator fragmentation. Physical Review C, 2007, 76, .	2.9	42
17	Symmetry energy investigation with pion production from Sn+Sn systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136016.	4.1	40
18	Statistical multifragmentation of non-spherical expanding sources in central heavy-ion collisions. Nuclear Physics A, 2004, 735, 219-247.	1.5	39

#	ARTICLE	IF	CITATIONS
19	Transition from participant to spectator fragmentation in Au+Au reactions between 60A and 150A MeV. Physical Review C, 2007, 75, .	2.9	38
20	Modification of surface energy in nuclear multifragmentation. Physical Review C, 2006, 74, .	2.9	36
21	Fragmentation in peripheral heavy-ion collisions: from neck emission to spectator decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 566, 76-83.	4.1	35
22	Fast Ternary and Quaternary Breakup of the Au ¹⁹⁷ +Au ¹⁹⁷ System in Collisions at 15 MeV/nucleon. Physical Review Letters, 2008, 101, 262701.	7.8	35
23	Pion production in rare-isotope collisions. Physical Review C, 2017, 95, .	2.9	34
24	Coincidence Measurement of Residues and Light Particles in the Reaction $^{56}\text{Fe} + ^{56}\text{Fe}$ at 1 GeV per Nucleon with the Spallation Reactions Setup SPALADIN. Physical Review Letters, 2008, 100, 022701.	7.8	33
25	Flow probe of symmetry energy in relativistic heavy-ion reactions. European Physical Journal A, 2014, 50, 1.	2.5	29
26	Differential neutron-proton squeeze-out. Progress in Particle and Nuclear Physics, 2009, 62, 425-426.	14.4	26
27	Observation of fast collinear partitioning of the Au ¹⁹⁷ +Au ¹⁹⁷ system into three and four fragments of comparable size. Physical Review C, 2010, 81, .	2.9	24
28	KRATTA, a versatile triple telescope array for charged reaction products. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 709, 120-128.	1.6	24
29	Transverse velocity scaling in ¹⁹⁷ Au+ ¹⁹⁷ Au fragmentation. Physical Review C, 2002, 66, .	2.9	23
30	Yield scaling, size hierarchy and fluctuations of observables in fragmentation of excited heavy nuclei. Nuclear Physics A, 2007, 795, 47-69.	1.5	22
31	Centrality dependence of isospin effect signatures in Sn ¹²⁴ + ⁶⁴ Ni and Sn ¹¹² + ⁵⁸ Ni reactions. Physical Review C, 2008, 77, .	2.9	22
32	N/Z DEPENDENCE OF PROJECTILE FRAGMENTATION. International Journal of Modern Physics E, 2008, 17, 1838-1849.	1.0	21
33	Fragment properties of fragmenting heavy nuclei produced in central and semi-peripheral collisions. Nuclear Physics A, 2009, 816, 1-18.	1.5	21
34	Compound nucleus emission of intermediate mass fragments in the ⁶ Li+Ag reaction at 156 MeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 223, 287-290.	4.1	20
35	Aligned breakup of heavy nuclear systems as a new type of deep inelastic collisions at small impact parameters. Physical Review C, 2010, 81, .	2.9	20
36	Bimodality: A general feature of heavy ion reactions. Physical Review C, 2009, 80, .	2.9	17

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37	Mass and Isospin Effects in Multifragmentation. Nuclear Physics A, 2005, 749, 83-92.	1.5	15
38	Energy calibration for the INDRA multidetector using recoil protons from scattering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 501, 367-374.	1.6	13
39	Multiplicity correlations of intermediate-mass fragments with pions and fast protons in $^{12}\text{C} + ^{197}\text{Au}$. European Physical Journal A, 2004, 21, 293-301.	2.5	12
40	THE SYMMETRY ENERGY IN NUCLEAR REACTIONS. International Journal of Modern Physics E, 2010, 19, 1653-1663.	1.0	12
41	The ASY-EOS experiment at GSI: investigating the symmetry energy at supra-saturation densities. Journal of Physics: Conference Series, 2013, 420, 012092.	0.4	12
42	Short-time scale characteristics of intermediate energy heavy ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 318, 419-423.	4.1	11
43	New Scalings in Nuclear Fragmentation. Physical Review Letters, 2010, 105, 142701.	7.8	10
44	RE-SEPARATION MODES OF $^{197}\text{Au} + ^{197}\text{Au}$ SYSTEM AT SUB-FERMI ENERGIES. International Journal of Modern Physics E, 2008, 17, 41-52.	1.0	9
45	Beam commissioning of the SËRIT time projection chamber. Journal of the Korean Physical Society, 2016, 69, 144-151.	0.7	9
46	KATANA â€“ A charge-sensitive triggering system for the SËRIT experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 856, 92-98.	1.6	9
47	Extending the dynamic range of electronics in a Time Projection Chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 944, 162509.	1.6	9
48	Incomplete fusion and nuclear equation of state. Zeitschrift FËr Physik A, 1994, 348, 233-234.	0.9	8
49	Discriminant analysis and secondary-beam charge recognition. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 587, 413-419.	1.6	8
50	Neutron recognition in the LAND detector for large neutron multiplicity. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 694, 47-54.	1.6	8
51	A simple multidetector system for intermediate mass fragments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 274, 265-268.	1.6	7
52	Gross Properties and Isotopic Phenomena in Spectator Fragmentation. Nuclear Physics A, 2007, 787, 627-632.	1.5	7
53	Multifragmentation and phase transition for hot nuclei: recent progress. Nuclear Physics A, 2010, 834, 535c-539c.	1.5	7
54	Exclusive measurements on at 1AGev with the SPALADIN setup at GSI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 562, 743-746.	1.6	6

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55	The S _Ï RIT time projection chamber. Review of Scientific Instruments, 2021, 92, 063302.	1.3	6
56	Intermediate-mass fragments in $^{14}\text{N} + ^{159}\text{Tb}/\text{natAg}/\text{natCu}$ reactions at 22 MeV/u. Nuclear Physics A, 1994, 574, 474-500.	1.5	5
57	Rapidity distributions of $Z\hat{e}^{-1}$ isotopes and the nuclear symmetry energy from Sn+Sn collisions with radioactive beams at 270 MeV/nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136681.	4.1	5
58	Intranuclear cascade+percolation+evaporation model applied to the $^{12}\text{C}+^{197}\text{Au}$ system at 1 GeV/nucleon. Nuclear Physics A, 2004, 734, 545-548.	1.5	4
59	Source shape determination with directional fragmentâ€“fragment velocity correlations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 807-812.	4.1	4
60	The percolation phase transition and statistical multifragmentation in finite systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135763.	4.1	4
61	INDRA@GSI: collective flow in Au+Au collisions. Progress in Particle and Nuclear Physics, 2004, 53, 77-80.	14.4	3
62	Directed and Elliptic Flow in $^{197}\text{Au} + ^{197}\text{Au}$ at Intermediate Energies. Acta Physica Hungarica A Heavy Ion Physics, 2006, 25, 229-239.	0.4	3
63	THE PROMINENT ROLE OF THE HEAVIEST FRAGMENT IN MULTIFRAGMENTATION AND PHASE TRANSITION FOR HOT NUCLEI. International Journal of Modern Physics E, 2010, 19, 1523-1533.	1.0	3
64	Heavy-ion test of detectors with conventional and resistive Micromegas used in TPC configuration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 628, 166-171.	1.6	3
65	KRATTA, a triple telescope array for charged reaction products. EPJ Web of Conferences, 2012, 31, 00032.	0.3	3
66	Alpha-cluster model of atomic nuclei. European Physical Journal A, 2016, 52, 1.	2.5	3
67	A simple parametrization of conditional saddle-point energies. Nuclear Physics A, 1991, 535, 272-284.	1.5	2
68	Isotopic dependence of the caloric curve. Progress in Particle and Nuclear Physics, 2009, 62, 407-412.	14.4	2
69	Study of the spallation of ^{136}Xe in collision with ^1H and ^{12}C at 1 GeV per nucleon. Physica Scripta, 2012, T150, 014015.	2.5	2
70	Charged-particle flow measured with the KRATTA detector in the ASY-EOS experiment. EPJ Web of Conferences, 2015, 88, 01010.	0.3	2
71	Collisions between $^{48}\text{Ti} + ^{93}\text{Nb}$ at 917 MeV. Physical Review C, 1996, 54, 3088-3098.	2.9	1
72	Surface and Symmetry Energy Effects in Nuclear Multifragmentation. , 2009, , .		1

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73	The ASY-EOS experiment at GSI: investigating symmetry energy at supra-saturation densities. EPJ Web of Conferences, 2014, 66, 03074.	0.3	1
74	The ASY-EOS experiment at GSI: Constraining the symmetry energy at supra-saturation densities. EPJ Web of Conferences, 2015, 88, 00022.	0.3	1
75	Background Recognition Using Neural Network Methods. Acta Physica Polonica B, Proceedings Supplement, 2013, 6, 1115.	0.1	1
76	The First Results from Studies of Gamma Decay of Proton-induced Excitations at the CCB Facility. Acta Physica Polonica B, 2017, 48, 415.	0.8	1
77	Multiplicity trigger detector for the S_{RIT} experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1039, 167010.	1.6	1
78	ASY-EOS experiment at GSI. EPJ Web of Conferences, 2012, 31, 00012.	0.3	0
79	Background reduction in long CsI(Tl) crystals. EPJ Web of Conferences, 2015, 88, 01017.	0.3	0
80	The ASY-EOS Experiment at GSI. EPJ Web of Conferences, 2016, 117, 07010.	0.3	0
81	Probing the Symmetry Term of the Nuclear Equation of State at High Baryonic Densities. Journal of Physics: Conference Series, 2017, 863, 012059.	0.4	0
82	The symmetry energy at suprasaturation density and the ASY-EOS experiment at GSI. EPJ Web of Conferences, 2017, 137, 09002.	0.3	0
83	Coincidence measurement of the reaction $^{56}\text{Fe}+p$ at 1 GeV per nucleon with SPALADIN. , 2007, , .		0
84	KATANA -- a Charge-sensitive Triggering/Veto System for the S_{RIT} Experiment. Acta Physica Polonica B, 2017, 48, 419.	0.8	0
85	Investigation of the Mechanism of Proton Induced Spallation Reactions. Springer Proceedings in Physics, 2019, , 243-244.	0.2	0
86	Systematics of stopping and flow in Au+Au collisions. , 2006, , 31-46.		0