

Michal Kowal

List of Publications by Year in descending order

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47
papers

1,019
citations

516710

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docs citations

47
times ranked

393
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy dependent ratios of level-density parameters in superheavy nuclei. Physical Review C, 2022, 105, .	2.9	4
2	Diffusion as a possible mechanism controlling the production of superheavy nuclei in cold fusion reactions. Physical Review C, 2022, 105, .	2.9	3
3	$\frac{Z}{A} \approx 0.5$ and $\frac{Z}{A} \approx 0.5$	2.4	35
4	Level-density parameters in superheavy nuclei. Physical Review C, 2021, 103, .	2.9	11
5	Rate of decline of the production cross section of superheavy nuclei with $Z > 114$ at high excitation energies. Physical Review C, 2021, 103, .	2.9	2
6	First observation of high-K isomeric states in ^{249}Md and ^{251}Md . European Physical Journal A, 2021, 57, 1.	2.5	3
7	Possibilities of direct production of superheavy nuclei with $Z=112$ – 118 in different evaporation channels. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135760.	4.1	14
8	Static fission properties of actinide nuclei. Physical Review C, 2020, 101, .	2.9	26
9	Exploring the production of new superheavy nuclei with proton and \hat{I}_{\pm} -particle evaporation channels. Physical Review C, 2019, 99, .	2.9	26
10	Hindered \hat{I}_{\pm} decays of heaviest high- K isomers. Physical Review C, 2018, 98, .	2.9	9
11	Fission of SHN and Its Hindrance: Odd Nuclei and Isomers. Acta Physica Polonica B, 2018, 49, 621.	0.8	8
12	Effect of non-axial octupole shapes in heavy and superheavy nuclei. Physical Review C, 2017, 95, .	2.9	15
13	Adiabatic fission barriers in superheavy nuclei. Physical Review C, 2017, 95, .	2.9	51
14	Fusion-fission probabilities, cross sections, and structure notes of superheavy nuclei. EPJ Web of Conferences, 2016, 131, 04005.	0.3	1
15	Search for octupole correlations in $\text{Nd}147$. Physical Review C, 2015, 92, .	2.9	8
16	Candidates for long-lived high- K ground states in superheavy nuclei. Physical Review C, 2015, 92, .	2.9	15
17	Fission barriers and probabilities of spontaneous fission for elements with $Z \approx 100$. Nuclear Physics A, 2015, 944, 442-470.	1.5	92
18	$Q_{\hat{I}_{\pm}}$ values in superheavy nuclei from the deformed Woods-Saxon model. Physical Review C, 2014, 89, .	2.9	38

#	ARTICLE	IF	CITATIONS
19	<p>Calculations of the cross sections for the synthesis of new α-isotopes in ^{293}Po and ^{296}Po</p> <p>$\langle \text{cross sections} \rangle$</p>		

#	ARTICLE	IF	CITATIONS
37	DEFORMATIONS OF MULTIPOLARITY SIX AT THE SADDLE POINT OF HEAVIEST NUCLEI. International Journal of Modern Physics E, 2008, 17, 265-271.	1.0	2
38	SADDLE-POINT SHAPES OF HEAVY AND SUPERHEAVY NUCLEI. International Journal of Modern Physics E, 2008, 17, 168-176.	1.0	2
39	FISSION BARRIERS OF HEAVIEST NUCLEI. , 2008, , .		0
40	TEST OF APPROXIMATION USED IN DESCRIPTION OF NON-AXIAL HEXADECAPOLE SHAPES OF HEAVIEST NUCLEI. International Journal of Modern Physics E, 2007, 16, 402-409.	1.0	2
41	ROLE OF HIGHER-MULTIPOLARITY DEFORMATIONS IN THE POTENTIAL ENERGY OF HEAVIEST NUCLEI. International Journal of Modern Physics E, 2007, 16, 425-430.	1.0	3
42	Multi-dimensional fission barriers for heavy and superheavy nuclei. Physica Scripta, 2006, T125, 68-72.	2.5	12
43	PROPERTIES OF SUPERHEAVY NUCLEI IN VARIOUS MACROSCOPIC-MICROSCOPIC MODELS. International Journal of Modern Physics E, 2005, 14, 365-372.	1.0	4
44	INFLUENCE OF THE ENTRANCE CHANNEL EFFECTS ON THE FORMATION PROCESS OF SUPERHEAVY ELEMENTS. International Journal of Modern Physics E, 2005, 14, 327-332.	1.0	2
45	Global properties of even-even superheavy nuclei in macroscopic-microscopic models. Physical Review C, 2005, 72, .	2.9	72
46	IMPORTANCE OF DEFORMATION AND ORIENTATION OF NUCLEAR SHAPES FOR THE SYNTHESIS OF SUPER-HEAVY ELEMENTS. International Journal of Modern Physics E, 2004, 13, 361-366.	1.0	2
47	Light-particle emission from the fissioning nuclei ^{126}Ba , ^{188}Pt and $^{266,272,278}\text{110}$: theoretical predictions and experimental results. Nuclear Physics A, 2000, 679, 25-53.	1.5	71