

# Denis A Shkarovsky

## List of Publications by Year in descending order

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22  
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1478505

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#	ARTICLE	IF	CITATIONS
1	Using the Few-Group Approximation for Calculating Some Neutron-Physical Characteristics of VVER-1000 Core by Means of the Monte Carlo Universal Code. Journal of Nuclear Engineering and Radiation Science, 2022, 8, .	0.4	0
2	Experimental research and analysis of VVER fuel composition with erbium oxide absorbers. Progress in Nuclear Energy, 2022, 147, 104177.	2.9	2
3	Estimation of some neutron physics characteristics by Monte-Carlo method using the importance function. Annals of Nuclear Energy, 2019, 130, 388-393.	1.8	6
4	Simulation of VVER-1000 startup physics tests using the MCU Monte Carlo code. Annals of Nuclear Energy, 2018, 117, 60-66.	1.8	7
5	Study of neutron-physical characteristics of VVER-1200 considering feedbacks using MCU Monte Carlo code. Kerntechnik, 2018, 83, 299-306.	0.2	2
6	MCU Code Implementation of the Calculation of Functionals in Volumes of a Supplementary Geometry. Atomic Energy, 2016, 119, 229-233.	0.4	1
7	Overview of the MCU Monte Carlo software package. Annals of Nuclear Energy, 2015, 82, 54-62.	1.8	48
8	Modeling the heat transfer in geometrically complex media with a volume source. Physics of Atomic Nuclei, 2014, 77, 1563-1566.	0.4	0
9	Verification of the MCU precision code and ROSFOND neutron data in application to the calculations of criticality of fast reactors with highly enriched uranium. Physics of Atomic Nuclei, 2014, 77, 1583-1590.	0.4	0
10	MCU Code Precision Calculation of the Power Release in a VVER-1000 Core at Nominal Power Taking Feedbacks into Account. Atomic Energy, 2013, 114, 315-317.	0.4	6
11	The status of MCU-5. Physics of Atomic Nuclei, 2012, 75, 1634-1646.	0.4	29
12	Monte Carlo modeling of benchmark experiments performed on the ZR-6 assembly. Atomic Energy, 2012, 112, 67-71.	0.4	1
13	Algorithms for computing the components of the generalized transport tensor taking into account surface currents. Physics of Atomic Nuclei, 2011, 74, 1797-1802.	0.4	0
14	MCU-PTR program for high-precision calculations of pool and tank type research reactors. Atomic Energy, 2011, 109, 149-156.	0.4	19
15	Statistical check of the correctness of the generation normalization algorithm implementation in monte-carlo calculations of nuclear power facilities. Atomic Energy, 2011, 111, 15-20.	0.4	0
16	Algorithms for calculation of the transport tensor components in the generalized first collision probability method. Physics of Atomic Nuclei, 2010, 73, 2180-2187.	0.4	0
17	Calculation of the neutron lifetime by the first-collisions probability method. Atomic Energy, 2009, 106, 276-280.	0.4	0
18	Visualization of models of nuclear reactors for investigating and monitoring reactor behavior in the regular regime. Atomic Energy, 2008, 104, 49-53.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Calculation of radiation fields in VVER shielding using approximations supporting local balance of materials mass and fission-source neutrons. Atomic Energy, 2008, 104, 428-435.	0.4	0
20	Monte Carlo estimate of particle fluxes in thin cylindrical detectors. Atomic Energy, 2007, 103, 957-964.	0.4	2
21	Asymptotic of response for pulsed neutron sources according to the limit of experimental time. International Journal of Nuclear Energy Science and Technology, 2006, 2, 378.	0.0	1
22	Graphical Representation of the Initial Data and Computational Results for the MCU Computer Code. Atomic Energy, 2005, 99, 597-601.	0.4	8