

# Yuri Kurilenkov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1583800/publications.pdf>

Version: 2024-02-01

13  
papers

140  
citations

1163117

8  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

24  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inertial electrostatic confinement and DD fusion at interelectrode media of nanosecond vacuum discharge. PIC simulations and experiment. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 214041.	2.1	25
2	Multiple DD fusion events at interelectrode media of nanosecond vacuum discharge. Journal of Physics A, 2006, 39, 4375-4386.	1.6	23
3	Inertial electrostatic confinement and nuclear fusion in the interelectrode plasma of a nanosecond vacuum discharge. II: Particle-in-cell simulations. Plasma Physics Reports, 2010, 36, 1227-1234.	0.9	17
4	Warm Dense Matter Generation and DD Synthesis at Vacuum Discharge with Deuterium-Loaded Pd Anode. Contributions To Plasma Physics, 2011, 51, 427-443.	1.1	15
5	Inertial electrostatic confinement and nuclear fusion in the interelectrode plasma of a nanosecond vacuum discharge. I: Experiment. Plasma Physics Reports, 2010, 36, 1219-1226.	0.9	11
6	On the features of bursts of neutrons, hard x-rays and alpha-particles in the pulse vacuum discharge with a virtual cathode and self-organization. Journal of Physics: Conference Series, 2015, 653, 012026.	0.4	11
7	Simulation of proton-boron nuclear burning in the potential well of virtual cathode at nanosecond vacuum discharge. Journal of Physics: Conference Series, 2016, 774, 012133.	0.4	8
8	Proton-boron fusion in a compact scheme of plasma oscillatory confinement. Physical Review E, 2021, 103, 043208.	2.1	8
9	Nuclear burning in a compact scheme of inertial electrostatic confinement as imitation of stellar nucleosynthesis. Experiment and PIC modeling. Journal of Physics: Conference Series, 2015, 653, 012025.	0.4	7
10	Streamer formation processes trigger intense x-ray and high-frequency radio emissions in a high-voltage discharge. Physical Review E, 2022, 105, .	2.1	7
11	Neutron yield and Lawson criterion for plasma with inertial electrostatic confinement. Journal of Physics: Conference Series, 2016, 774, 012132.	0.4	6
12	Polydisperse inter-electrode plasma of Pd nanoclusters as a random cavity for x-ray spontaneous emission bursts. Plasma Research Express, 2021, 3, 015003.	0.9	2
13	X-Ray Trapping and Bursts in a Complex Plasma of Nanosecond Vacuum Discharge. Plasma Physics Reports, 2021, 47, 752-758.	0.9	0