

# Victor A Kolikov

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

281  
citations

1039406

9  
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940134

16  
g-index

42  
all docs

42  
docs citations

42  
times ranked

226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of silver oxide nanoparticles on tumor growth in vivo. Doklady Biochemistry and Biophysics, 2008, 421, 191-193.	0.3	54
2	Electric Discharges and the Prolonged Microbial Resistance of Water. IEEE Transactions on Plasma Science, 2007, 35, 1111-1118.	0.6	31
3	Influence of the current magnitude and working gas temperature on electrode erosion in the discharge chambers of high-power pulsed plasmotrons. Technical Physics, 2007, 52, 1011-1015.	0.2	29
4	Prolonged microbial resistance of water treated by a pulsed electrical discharge. Technical Physics, 2007, 52, 263-270.	0.2	28
5	Influence of the cathode and anode jets on the properties of a high-current electric arc. Technical Physics, 2002, 47, 26-33.	0.2	16
6	Pulse Electric Discharges and Prolonged Microbial Resistance of Water. Doklady Biological Sciences, 2005, 403, 279-281.	0.2	14
7	Phase composition and magnetic properties of iron oxide nanoparticles obtained by impulse electric discharge in water. High Temperature, 2016, 54, 170-174.	0.1	12
8	Investigation of anode and cathode jets influence on electric arc properties with current up to 500 ka. IEEE Transactions on Plasma Science, 2003, 31, 201-206.	0.6	10
9	Experimental Study of Hydrogen Heating in Powerful Electric Discharge Launcher. Journal of Propulsion and Power, 1997, 13, 659-664.	1.3	9
10	The Programmed Capacitor Storage Discharge and Other Factors Influencing on Launch Velocity and on Performance of an Electrodischarge Accelerator. IEEE Transactions on Plasma Science, 2006, 34, 1553-1560.	0.6	8
11	Powerful pulse generator of dense plasma with high concentration of metal vapour. International Journal of Impact Engineering, 1995, 17, 93-98.	2.4	7
12	Features of the electrode erosion for discharge-current amplitudes above 105 A. Doklady Physics, 2003, 48, 1-4.	0.2	6
13	Investigation of Electric Discharge Systems. IEEE Transactions on Magnetics, 2009, 45, 423-429.	1.2	6
14	Pulsed electric discharges in water as a source of magnetic nanoparticles for transportation of microorganisms. Technical Physics, 2012, 57, 1661-1666.	0.2	6
15	A study of the operating conditions of the light-gas electric generator's discharge chamber. IEEE Transactions on Magnetics, 1995, 31, 399-403.	1.2	5
16	The efficiency of conversion of energy in an electric-discharge light-gas accelerator of bodies. High Temperature, 2008, 46, 296-300.	0.1	5
17	Application of aqueous dispersions of silver nanostructures for treatment of pyoinflammatory diseases with a chronic component. Journal of Physics: Conference Series, 2011, 275, 012010.	0.3	5
18	Shock waves in water at low energy pulsed electric discharges. Journal of Physics: Conference Series, 2012, 406, 012034.	0.3	5

#	ARTICLE	IF	CITATIONS
19	Analysis of physicochemical properties of nanoparticles obtained by pulsed electric discharges in water. Technical Physics, 2012, 57, 1641-1645.	0.2	5
20	Programmed input of energy into the discharge chamber of a light-gas electric-discharge accelerator of bodies. High Temperature, 2008, 46, 25-29.	0.1	4
21	Factors affecting the velocity of launching bodies by means of an electric-discharge light-gas accelerator. High Temperature, 2008, 46, 143-147.	0.1	4
22	Problems, results and prospects of electric launch in Russia. IEEE Transactions on Magnetics, 2001, 37, 42-45.	1.2	3
23	High-speed diagnostic pulsewise-periodic of electric discharge in water. , 2007, , .		2
24	Dynamics of bubble generated by low energy pulsed electric discharge in water. Journal of Physics: Conference Series, 2012, 406, 012035.	0.3	2
25	Investigation of anode and jets influence on electric arc properties with current up to 500kA. , 0, , .		1
26	Title is missing!. High Temperature, 2003, 41, 580-585.	0.1	1
27	Pulsed electric discharges in water and oxide nanoparticles. , 2007, , .		1
28	Aqueous dispersions of oxide nanoparticles as a treatment for pyoinflammatory diseases with chronic component. Journal of Physics: Conference Series, 2011, 291, 012055.	0.3	1
29	Magnetically modified bioNells in constant magnetic field. Journal of Magnetism and Magnetic Materials, 2017, 423, 1-6.	1.0	1
30	The Programmed Capacitor Storage Discharge and Other Factors Influencing on Launch Velocity and on Performance of an Electrodischarge Accelerator. , 2005, , .		0
31	Investigations of Electric Discharge Systems. , 2008, , .		0
32	Magnetic labeling of proteins for atomic force microscopy. Doklady Biochemistry and Biophysics, 2013, 448, 33-35.	0.3	0
33	Solving the inverse boundary-value problem for a model of the distribution of nanoparticles in magnetic field. Technical Physics Letters, 2015, 41, 877-879.	0.2	0
34	Electrophysical Processes in Water. Biological and Medical Physics Series, 2015, , 33-65.	0.3	0
35	Effect of Shock Waves Generated by Pulsed Electric Discharges in Water on Yeast Cells and Virus Particles. Technical Physics, 2018, 63, 285-290.	0.2	0
36	Application of the PED and WDN. Biological and Medical Physics Series, 2015, , 183-209.	0.3	0

#	ARTICLE	IF	CITATIONS
37	Erosion of Electrodes. Springer Series on Atomic, Optical, and Plasma Physics, 2018, , 95-117.	0.1	0
38	Arc at Ultrahigh Pressure. Springer Series on Atomic, Optical, and Plasma Physics, 2018, , 203-233.	0.1	0
39	Parameters of the Arc. Springer Series on Atomic, Optical, and Plasma Physics, 2018, , 73-93.	0.1	0