Mikhail S Mokrov

List of Publications by Year
in descending order

14	278	840776 11	1125743 13
papers	citations	h-index	g-index

14	14	14	234
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermal-Chemical Plasma Instability in a Reacting Flow. , 2020, , .		0
2	Thermal-chemical instability of weakly ionized plasma in a reactive flow. Journal Physics D: Applied Physics, 2019, 52, 484001.	2.8	29
3	Filling of a Plane Slit Volume with a Glow Discharge in a Transverse Magnetic Field and Its Effect on the Discharge Contraction. Technical Physics, 2018, 63, 806-816.	0.7	1
4	3D simulation of hexagonal current pattern formation in a dc-driven gas discharge gap with a semiconductor cathode. Plasma Sources Science and Technology, 2018, 27, 065008.	3.1	6
5	Dynamic contraction of the positive column of a self-sustained glow discharge in air flow. Physics of Plasmas, 2014, 21, .	1.9	29
6	Model of blue jet formation and propagation in the nonuniform atmosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 5821-5829.	2.4	11
7	Development of a positive corona from a long grounded wire in a growing thunderstorm field. Journal Physics D: Applied Physics, 2013, 46, 455202.	2.8	15
8	Physical mechanisms of self-organization and formation of current patterns in gas discharges of the Townsend and glow types. Physics of Plasmas, 2013, 20, .	1.9	62
9	Dynamic contraction of the positive column of a self-sustained glow discharge in molecular gas. Physics of Plasmas, 2012, 19, .	1.9	25
10	Simulation of current filamentation in a dc-driven planar gas dischargeâ€“semiconductor system. Journal Physics D: Applied Physics, 2011, 44, 425202.	2.8	21
11	A simple physical model of hexagonal patterns in a Townsend discharge with a semiconductor cathode. Journal Physics D: Applied Physics, 2010, 43, 255204.	2.8	18
12	Monte Carlo method for finding the ionization and secondary emission coefficients and Iâ€“V characteristic of a Townsend discharge in hydrogen. Technical Physics, 2008, 53, 436-444.	0.7	14
13	On the mechanism of the negative differential resistance of a Townsend discharge. Plasma Sources Science and Technology, 2008, 17, 035031.	3.1	21
14	Self-sustained oscillations in a low-current discharge with a semiconductor serving as a cathode and ballast resistor: II. Theory. Technical Physics, 2006, 51, 185-197.	0.7	26