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List of Publications by Year
in descending order

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26 papers	90 citations	1478505 6 h-index	1474206 9 g-index
26 all docs	26 docs citations	26 times ranked	23 citing authors

#	Article	IF	Citations
1	Formation of a Nanosecond Discharge in Argon at Atmospheric Pressure Under Gas Pre-Ionization Conditions. Plasma Physics Reports, 2021, 47, 80-85.	0.9	0
2	Đœicrochannel Structure Parameters in the Initial Phase of a Spark Discharge in a Tipâ€“Plane Gap in Atmospheric-Pressure Air. Technical Physics Letters, 2021, 47, 71-74.	0.7	2
3	Investigation of plasma properties in the phase of the radial expansion of a spark channel in the â€˜pin-to-plateâ€™ geometry. Plasma Sources Science and Technology, 2021, 30, 095020.	3.1	10
4	Investigation of the Dynamics of a Microstructured Spark Channel in Air in the â€œTip (Anode)â€“Planeâ€• Geometry at the Stage of Radial Expansion. Plasma Physics Reports, 2021, 47, 73-79.	0.9	0
5	Plasma and Gas-Dynamic Near-Electrode Processes in the Initial Phase of a Microstructured Spark Discharge in Air. Technical Physics Letters, 2020, 46, 737-740.	0.7	14
6	Features of the cathode plasma formation at the initial stage of a nanosecond spark discharge in air. Europhysics Letters, 2020, 130, 65002.	2.0	4
7	Changes in the surface structure of nanostructured ceramics YBa₂Cu₃O_{7-y} after exposure to a plasma stream. Journal of Physics: Conference Series, 2020, 1588, 012009.	0.4	0
8	A set of optical techniques for studying the dynamics of a discharge in millimeter-length intervals: the development of a spark discharge in air in the pin-to-plate geometry. Journal of Physics: Conference Series, 2020, 1692, 012007.	0.4	1
9	Drift Characteristics of Metal Ions in Helium in an External Electric Field. Bulletin of the Lebedev Physics Institute, 2020, 47, 114-118.	0.6	0
10	Investigation of the microchannel structure in the initial phase of the discharge in air at atmospheric pressure in the â€œpin (anode)-planeâ€•gap. Physics of Plasmas, 2020, 27, .	1.9	7
11	Optical and Kinetic Characteristics of an Atmospheric Pressure Pulsed Discharge in Helium with Iron Vapor. Technical Physics, 2019, 64, 348-351.	0.7	3
12	Studying Nanosecond Discharge in Argon at Atmospheric Pressure with Preionization. Technical Physics Letters, 2019, 45, 4-7.	0.7	5
13	Study of ionization waves in a pulse discharge in helium. Journal of Physics: Conference Series, 2019, 1393, 012013.	0.4	0
14	Structure and properties of YBCO before and after the short-term exposure of the plasma flow. Journal of Physics: Conference Series, 2019, 1385, 012028.	0.4	3
15	Study of ionization waves in a pulse discharge in argon. Journal of Physics: Conference Series, 2019, 1393, 012011.	0.4	0
16	Optical and kinetic characteristics of a pulsed discharge in argon with aluminum vapor at atmospheric pressure. Journal of Physics: Conference Series, 2019, 1393, 012012.	0.4	0
17	Fractional-differential approach to the study of instability in a gas discharge. Chaos, Solitons and Fractals, 2018, 107, 39-42.	5.1	2
18	Dynamics of pulse discharge in atmospheric pressure argon. Journal of Physics: Conference Series, 2018, 1115, 022039.	0.4	0

#	Article	IF	Citations
19	Development of ionization waves in argon at atmospheric pressure with inhomogeneous preliminary ionization. Europhysics Letters, 2018, 123, 45001.	2.0	11
20	The effect of high-enthalpy argon plasma flow on the structure and properties of YBa2Cu3O7 â€“ Î´ nanoceramics. Technical Physics Letters, 2017, 43, 603-606.	0.7	3
21	Peculiarities of the formation and development of ionization fronts in a pre-ionized gas medium. Technical Physics Letters, 2017, 43, 853-856.	0.7	8
22	Dynamics of impulse volume discharge formation in atmospheric pressure helium. Journal of Physics: Conference Series, 2017, 907, 012021.	0.4	0
23	Peculiarities of the ionized fronts formation and development in pre-ionized gas. Journal of Physics: Conference Series, 2017, 830, 012040.	0.4	0
24	Formation of shock waves in a discharge plasma in the presence of a magnetic field. Plasma Physics Reports, 2016, 42, 687-698.	0.9	12
25	Expansion of the cathode spot and generation of shock waves in the plasma of a volume discharge in atmospheric-pressure helium. Plasma Physics Reports, 2012, 38, 22-28.	0.9	4
26	Peculiarities of formation and development of initial stages of an impulse breakdown in argon. Plasma Physics Reports, 2011, 37, 1166-1172.	0.9	1