

Tsvetelina Paunska

List of Publications by Year in descending order

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14
papers

152
citations

1478505

6
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

88
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic field stabilization of low current DC arc discharge in cross flow in argon gas at atmospheric pressure – a numerical modelling study. Plasma Sources Science and Technology, 2021, 30, 085007.	3.1	1
2	A 2D model of a gliding arc discharge for CO2 conversion. AIP Conference Proceedings, 2019, , .	0.4	6
3	Experimental and theoretical study on the formation of hybrid discharge structure in a compact rf-driven negative hydrogen ion source. Journal Physics D: Applied Physics, 2019, 52, 015202.	2.8	3
4	A collisional radiative model of hydrogen plasmas developed for diagnostic purposes of negative ion sources. Review of Scientific Instruments, 2016, 87, 02B110.	1.3	4
5	Discharge regime of non-ambipolarity with a self-induced steady-state magnetic field in plasma sources with localized radio-frequency power deposition. Physics of Plasmas, 2015, 22, 100705.	1.9	1
6	Low-pressure hydrogen discharge maintenance in a large-size plasma source with localized high radio-frequency power deposition. Physics of Plasmas, 2015, 22, 033504.	1.9	9
7	Single discharge of the matrix source of negative hydrogen ions: Influence of the neutral particle dynamics. AIP Conference Proceedings, 2015, , .	0.4	2
8	Neutral particle dynamics in a high-power RF source. AIP Conference Proceedings, 2015, , .	0.4	2
9	Spatial distribution of the plasma parameters in a radio-frequency driven negative ion source. Review of Scientific Instruments, 2014, 85, 02B104.	1.3	6
10	Matrix of small-radius radio-frequency discharges as a volume-production based source of negative hydrogen ions. Review of Scientific Instruments, 2012, 83, 02A702.	1.3	17
11	Negative hydrogen ion maintenance in small radius discharges: Two-dimensional modeling. Physics of Plasmas, 2011, 18, .	1.9	20
12	A small radius hydrogen discharge: An effective source of volume produced negative ions. Journal of Applied Physics, 2010, 107, 083301.	2.5	22
13	Guided-Wave-Produced Plasmas. Contributions To Plasma Physics, 2004, 44, 552-557.	1.1	46
14	Surface-wave produced discharges in hydrogen: II. Modifications of the discharge structure for varying gas-discharge conditions. Plasma Sources Science and Technology, 2003, 12, 608-618.	3.1	13