

Toomas Plank

List of Publications by Year in descending order

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22
papers

432
citations

1163117

8
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

443
citing authors

#	ARTICLE	IF	CITATIONS
1	The Production of Plasma Activated Water in Controlled Ambient Gases and its Impact on Cancer Cell Viability. Plasma Chemistry and Plasma Processing, 2021, 41, 1381-1395.	2.4	18
2	Experimental determination of first Townsend ionization coefficient in mixtures of He and N ₂ . Journal Physics D: Applied Physics, 2021, 54, 325202.	2.8	8
3	Experimental determination of the first Townsend ionization coefficient in mixtures of Ar and N ₂ . Journal Physics D: Applied Physics, 2021, 54, 465201.	2.8	4
4	Comparison of two cold atmospheric pressure plasma jet configurations in argon. Contributions To Plasma Physics, 2020, 60, e201900127.	1.1	17
5	Impact of Ambient Gas Composition of Argon Plasma Jet on Pam Composition and Cancer Cell Viability. , 2020, , .		0
6	The Influence of O ₂ , N ₂ or Air Ambient Gases on PAM Chemical Composition Produced by Argon RF Plasma Jet. , 2020, , .		0
7	Investigation of a He micro plasma-jet utilized for treatment of prostate cancer cells. Plasma Research Express, 2019, 1, 045002.	0.9	10
8	International conference on Functional Materials and Nanotechnologies (FM&NT-2013), 21â€“24 April 2013, Tartu, Estonia. Physica Scripta, 2014, 89, 040301.	2.5	0
9	Ozone generation efficiency as a function of electric field strength in air. Journal Physics D: Applied Physics, 2014, 47, 335205.	2.8	14
10	International Conference on Functional Materials and Nanotechnologies 2013 (FM&NT2013). IOP Conference Series: Materials Science and Engineering, 2013, 49, 011001.	0.6	0
11	Ozone production rate as a function of electric field strength in oxygen. Journal Physics D: Applied Physics, 2012, 45, 205201.	2.8	6
12	Measurement of collisional quenching rate of nitrogen states N ₂ (Câ€³ ³ Î¼, v = 0) and. Journal Physics D: Applied Physics, 2010, 43, 385202.	2.8	71
13	Absorption of Photoionizing Radiation of Corona Discharges in Air. Plasma Processes and Polymers, 2008, 5, 672-680.	3.0	20
14	Laser ablation in air: nature of current pulses. Journal Physics D: Applied Physics, 2008, 41, 055201.	2.8	2
15	Reply to comments on â€œIntensity ratio of spectral bands of nitrogen as a measure of electric field strength in plasmasâ€™. Journal Physics D: Applied Physics, 2006, 39, 2636-2639.	2.8	31
16	Laser-induced current in air gap at atmospheric pressure. Journal Physics D: Applied Physics, 2005, 38, 3900-3906.	2.8	3
17	Intensity ratio of spectral bands of nitrogen as a measure of electric field strength in plasmas. Journal Physics D: Applied Physics, 2005, 38, 3894-3899.	2.8	197
18	Corona based detector of electronegative trace gases. Measurement Science and Technology, 2001, 12, 557-565.	2.6	2

#	ARTICLE	IF	CITATIONS
19	Origin of photoionizing radiation in corona discharges in air. Journal Physics D: Applied Physics, 2001, 34, 905-908.	2.8	16
20	Sexually transmitted infections in Estoniaâ€™ syndromic management of urethritis in a European country?. International Journal of STD and AIDS, 2001, 12, 493-498.	1.1	7
21	The after-effect of streamers of positive corona under combined voltage. Journal Physics D: Applied Physics, 2000, 33, 2791-2797.	2.8	0
22	Repetition rate of streamers as a measure of content of electronegative additives in the air. Journal Physics D: Applied Physics, 1997, 30, 210-220.	2.8	6