

# 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	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
2	Measurement of collisional quenching rate of nitrogen states $N_2^+(C^2\Sigma_u^+, v = 0)$ and. Journal Physics D: Applied Physics, 2010, 43, 385202.	2.8	71
3	Reply to comments on "Intensity ratio of spectral bands of nitrogen as a measure of electric field strength in plasmas". Journal Physics D: Applied Physics, 2006, 39, 2636-2639.	2.8	31
4	Absorption of Photoionizing Radiation of Corona Discharges in Air. Plasma Processes and Polymers, 2008, 5, 672-680.	3.0	20
5	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
6	Comparison of two cold atmospheric pressure plasma jet configurations in argon. Contributions To Plasma Physics, 2020, 60, e201900127.	1.1	17
7	Origin of photoionizing radiation in corona discharges in air. Journal Physics D: Applied Physics, 2001, 34, 905-908.	2.8	16
8	Ozone generation efficiency as a function of electric field strength in air. Journal Physics D: Applied Physics, 2014, 47, 335205.	2.8	14
9	Investigation of a He micro plasma-jet utilized for treatment of prostate cancer cells. Plasma Research Express, 2019, 1, 045002.	0.9	10
10	Experimental determination of first Townsend ionization coefficient in mixtures of He and N2. Journal Physics D: Applied Physics, 2021, 54, 325202.	2.8	8
11	Sexually transmitted infections in Estonia – syndromic management of urethritis in a European country?. International Journal of STD and AIDS, 2001, 12, 493-498.	1.1	7
12	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
13	Ozone production rate as a function of electric field strength in oxygen. Journal Physics D: Applied Physics, 2012, 45, 205201.	2.8	6
14	Experimental determination of the first Townsend ionization coefficient in mixtures of Ar and N2. Journal Physics D: Applied Physics, 2021, 54, 465201.	2.8	4
15	Laser-induced current in air gap at atmospheric pressure. Journal Physics D: Applied Physics, 2005, 38, 3900-3906.	2.8	3
16	Corona based detector of electronegative trace gases. Measurement Science and Technology, 2001, 12, 557-565.	2.6	2
17	Laser ablation in air: nature of current pulses. Journal Physics D: Applied Physics, 2008, 41, 055201.	2.8	2
18	The after-effect of streamers of positive corona under combined voltage. Journal Physics D: Applied Physics, 2000, 33, 2791-2797.	2.8	0

#	ARTICLE	IF	CITATIONS
19	International Conference on Functional Materials and Nanotechnologies 2013 (FM&NT2013). IOP Conference Series: Materials Science and Engineering, 2013, 49, 011001.	0.6	0
20	International conference on Functional Materials and Nanotechnologies (FM&NT-2013), 21â€“24 April 2013, Tartu, Estonia. Physica Scripta, 2014, 89, 040301.	2.5	0
21	Impact of Ambient Gas Composition of Argon Plasma Jet on Pam Composition and Cancer Cell Viability. , 2020, , .		0
22	The Influence of O <sub>2</sub> , N <sub>2</sub> or Air Ambient Gases on PAM Chemical Composition Produced by Argon RF Plasma Jet. , 2020, , .		0