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List of Publications by Year
in descending order

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24	581	759233 12	610901 24
papers	citations	h-index	g-index

24	24	24	566
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cross-comparison of diagnostic and 0D modeling of a micro-hollow cathode discharge in the stationary regime in an Ar/N₂ gas mixture. Journal Physics D: Applied Physics, 2022, 55, 105202.	2.8	6
2	Experimental study of the effect of water vapor on dynamics of a high electric field non-equilibrium diffuse discharge in air. Journal Physics D: Applied Physics, 2021, 54, 215204.	2.8	7
3	Periodic forced flow in a nanosecond pulsed cold atmospheric pressure argon plasma jet. Plasma Sources Science and Technology, 2021, 30, 105021.	3.1	4
4	Experimental investigation of a ns-pulsed argon plasma jet for the fast desorption of weakly volatile organic compounds deposited on glass substrates at variable electric potential. Journal Physics D: Applied Physics, 2020, 53, 475202.	2.8	7
5	Spatio-temporal distribution of absolute densities of argon metastable 1s5 state in the diffuse area of an atmospheric pressure nanosecond pulsed argon microplasma jet propagating into ambient air. Journal of Applied Physics, 2019, 126, 073302.	2.5	8
6	Experimental characterization of a ns-pulsed micro-hollow cathode discharge (MHCD) array in a N₂/Ar mixture. Plasma Sources Science and Technology, 2019, 28, 035003.	3.1	8
7	Modification of the electric field distribution in a diffuse streamer-induced discharge under extreme overvoltage. Plasma Sources Science and Technology, 2019, 28, 055016.	3.1	33
8	OH density measured by PLIF in a nanosecond atmospheric pressure diffuse discharge in humid air under steep high voltage pulses. Plasma Sources Science and Technology, 2018, 27, 045002.	3.1	12
9	Effect of the gas flow rate on the spatiotemporal distribution of Ar(1s₅) absolute densities in a ns pulsed plasma jet impinging on a glass surface. Plasma Sources Science and Technology, 2018, 27, 065003.	3.1	18
10	Real-time analysis of toluene removal in dry air by a dielectric barrier discharge using proton transfer reaction mass spectrometry. Journal Physics D: Applied Physics, 2018, 51, 425201.	2.8	3
11	Ar(1s₅) absolute radial densities in a nsâ€pulsed argon plasma jet impinging on dielectric targets at floating potential â€“ plasma action on organic molecules. Plasma Processes and Polymers, 2018, 15, 1800080.	3.0	7
12	Impact of an atmospheric argon plasma jet on a dielectric surface and desorption of organic molecules. EPJ Applied Physics, 2016, 75, 24713.	0.7	15
13	Filamentation of a Nanosecond Pulse Corona Discharge in Airâ€“Propane Mixtures at Atmospheric Pressure. IEEE Transactions on Plasma Science, 2011, 39, 2236-2237.	1.3	5
14	Detailed Characterization of 2-Heptanone Conversion by Dielectric Barrier Discharge in N2 and N2/O2 Mixtures. Journal of Physical Chemistry A, 2010, 114, 397-407.	2.5	28
15	Diffuse mode and diffuse-to-filamentary transition in a high pressure nanosecond scale corona discharge under high voltage. Journal Physics D: Applied Physics, 2009, 42, 175202.	2.8	91
16	Plasma Reactivity and Plasma-Surface Interactions During Treatment of Toluene by a Dielectric Barrier Discharge. Plasma Chemistry and Plasma Processing, 2008, 28, 429-466.	2.4	74
17	Production and reactivity of the hydroxyl radical in homogeneous high pressure plasmas of atmospheric gases containing traces of light olefins. Journal Physics D: Applied Physics, 2007, 40, 3112-3127.	2.8	52
18	Electron impact ionization cross-sections of toluene. Chemical Physics Letters, 2007, 434, 188-193.	2.6	22

#	Article	IF	Citations
19	Effect Of Propene, n-Decane, and Toluene Plasma Kinetics on NO Conversion in Homogeneous Oxygen-Rich Dry Mixtures at Ambient Temperature. Plasma Chemistry and Plasma Processing, 2007, 27, 414-445.	2.4	12
20	LIF spectroscopy applied to the study of non-thermal plasmas for atmospheric pollutant abatement. Comptes Rendus Physique, 2005, 6, 908-917.	0.9	27
21	Production of hydroxyl radicals and removal of acetaldehyde in a photo-triggered discharge in N2/O2/CH3CHO mixtures. Journal Physics D: Applied Physics, 2005, 38, 3446-3450.	2.8	15
22	Influence of water on NO removal by pulsed discharge in N2/H2O/NO mixtures. Plasma Sources Science and Technology, 2002, 11, 152-160.	3.1	63
23	Dynamics and breakdown delay times in neon-ethene and neon-propene photo-triggered discharges. Journal Physics D: Applied Physics, 2002, 35, 882-890.	2.8	11
24	Kinetic of the NO removal by nonthermal plasma in N2/NO/C2H4 mixtures. Applied Physics Letters, 2000, 77, 4118-4120.	3.3	53