

# Andrew Fierro

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3984964/publications.pdf>

Version: 2024-02-01

14  
papers

160  
citations

1163117

8  
h-index

1372567

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14  
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14  
docs citations

14  
times ranked

141  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenomenology of streamer propagation during pulsed dielectric surface flashover. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 946-953.	2.9	28
2	Radiation transport in kinetic simulations and the influence of photoemission on electron current in self-sustaining discharges. Journal Physics D: Applied Physics, 2017, 50, 065202.	2.8	27
3	Three-dimensional kinetic modeling of streamer propagation in a nitrogen/helium gas mixture. Plasma Sources Science and Technology, 2018, 27, 105008.	3.1	21
4	Simultaneous measurement of nitrogen and hydrogen dissociation from vacuum ultraviolet self-absorption spectroscopy in a developing low temperature plasma at atmospheric pressure. Applied Physics Letters, 2013, 102, 184104.	3.3	16
5	Graphics processing unit accelerated three-dimensional model for the simulation of pulsed low-temperature plasmas. Physics of Plasmas, 2014, 21, 123504.	1.9	16
6	Discrete photon implementation for plasma simulations. Physics of Plasmas, 2016, 23, .	1.9	16
7	A passive measurement of dissociated atom densities in atmospheric pressure air discharge plasmas using vacuum ultraviolet self-absorption spectroscopy. Journal of Applied Physics, 2014, 115, 123302.	2.5	13
8	Kinetic simulation of a low-pressure helium discharge with comparison to experimental measurements. Plasma Sources Science and Technology, 2019, 28, 055012.	3.1	9
9	Study of vacuum ultraviolet emission in helium and helium/nitrogen mixtures. Journal of Applied Physics, 2021, 129, 073302.	2.5	8
10	A Take on Arbitrary Transient Electric Field Reconstruction Using Wavelet Decomposition Theory Coupled With Particle Swarm Optimization. IEEE Transactions on Antennas and Propagation, 2016, 64, 3151-3159.	5.1	5
11	Investigation of vacuum UV absorption during low-temperature plasma formation in N <sub>2</sub> /H <sub>2</sub> mixtures at atmospheric pressure. , 2012, , .		1
12	Spatially-resolved spectral observations of pulsed surface flashover in a nitrogen environment. , 2012, , .		0
13	A wavelet approach to high power microwaves. , 2014, , .		0
14	Measurement and simulation of pulsed plasma development at medium pressure in a non-uniform field. , 2014, , .		0