

# H Y Kim

## List of Publications by Year in descending order

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18  
papers

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citations

1040056

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1058476

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times ranked

280  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinctive plume formation in atmospheric Ar and He plasmas in microwave frequency band and suitability for biomedical applications. <i>Physics of Plasmas</i> , 2013, 20, 123506.	1.9	37
2	Gas Temperature Effect on Reactive Species Generation from the Atmospheric Pressure Air Plasma. <i>Plasma Processes and Polymers</i> , 2013, 10, 686-697.	3.0	36
3	Characterization and Effects of Ar/Air Microwave Plasma on Wound Healing. <i>Plasma Processes and Polymers</i> , 2015, 12, 1423-1434.	3.0	35
4	Abnormal electron-heating mode and formation of secondary-energetic electrons in pulsed microwave-frequency atmospheric microplasmas. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	27
5	Enhanced transportation of energetic electrons in dual-frequency atmospheric microplasmas. <i>Physics of Plasmas</i> , 2013, 20, 023506.	1.9	18
6	Nonstick Polymer Coatings for Energy-Based Surgical Devices Employed in Vessel Sealing. <i>Plasma Processes and Polymers</i> , 2012, 9, 446-452.	3.0	16
7	Modeling the chemical kinetics of atmospheric plasma for cell treatment in a liquid solution. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	13
8	Magnetic Field Penetration Into a Metal Enclosure Using an ELF/VLF Loop Antenna. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020, 62, 1225-1236.	2.2	13
9	PIC simulations of post-pulse field reversal and secondary ionization in nanosecond argon discharges. <i>Plasma Sources Science and Technology</i> , 2018, 27, 055011.	3.1	12
10	Imaging Conductive Objects Through Metal Enclosures Using ELF/VLF Magnetic Fields. <i>IEEE Access</i> , 2020, 8, 79745-79753.	4.2	6
11	Optimal waveforms for capacitively coupled ionization in nanosecond plasma discharges. <i>Plasma Sources Science and Technology</i> , 2018, 27, 105015.	3.1	2
12	Enhanced electron density and plasma dynamics on nanosecond time scales in Helium plasma discharges. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	2
13	Finite Amplitude Effects on Landau Damping and Diminished Transportation of Trapped Electrons. <i>Journal of the Physical Society of Japan</i> , 2014, 83, 074502.	1.6	1
14	Rapid ionization of Xe/Ar mixtures in nanosecond discharges exploiting post-pulse field reversals. <i>Plasma Research Express</i> , 2021, 3, 025003.	0.9	1
15	Optimizing fast discharges for high speed time varying plasma antenna using particle in cell simulations. , 2017, , .		0
16	Numerical Modeling Of High Speed Time Varying Plasma Antenna Using Electromagnetic 2D Particle-In-Cell Simulation. , 2017, , .		0
17	Numerical Modeling of Nondestructive Testing of Various Conductive Objects inside Metal Enclosures Using ELF/VLF Magnetic Fields. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3665.	2.5	0
18	Trapped Electron Effects in Transient Helium Sub-Nanosecond Atmospheric Microplasmas. <i>IEEE Transactions on Plasma Science</i> , 2022, 50, 560-565.	1.3	0