H Y Kim

List of Publications by Year
in descending order

18	219	1040056 9	1058476 14
papers	citations	h-index	g-index

18	18	18	280
all docs	docs citations	times ranked	citing authors

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