

Sanghoo Park

List of Publications by Year in descending order

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42
papers

1,719
citations

304743

22
h-index

302126

39
g-index

42
all docs

42
docs citations

42
times ranked

1313
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible thin-layer dielectric barrier discharge plasma treatment of pork butt and beef loin: Effects on pathogen inactivation and meat-quality attributes. <i>Food Microbiology</i> , 2015, 46, 51-57.	4.2	212
2	Effects of dielectric barrier discharge plasma on pathogen inactivation and the physicochemical and sensory characteristics of pork loin. <i>Current Applied Physics</i> , 2013, 13, 1420-1425.	2.4	143
3	Microbial safety and quality attributes of milk following treatment with atmospheric pressure encapsulated dielectric barrier discharge plasma. <i>Food Control</i> , 2015, 47, 451-456.	5.5	142
4	Evaluation of pathogen inactivation on sliced cheese induced by encapsulated atmospheric pressure dielectric barrier discharge plasma. <i>Food Microbiology</i> , 2015, 46, 46-50.	4.2	121
5	Pathogen inactivation and quality changes in sliced cheddar cheese treated using flexible thin-layer dielectric barrier discharge plasma. <i>Food Research International</i> , 2015, 69, 57-63.	6.2	114
6	The use of atmospheric pressure plasma-treated water as a source of nitrite for emulsion-type sausage. <i>Meat Science</i> , 2015, 108, 132-137.	5.5	109
7	Flexible thin-layer plasma inactivation of bacteria and mold survival in beef jerky packaging and its effects on the meat's physicochemical properties. <i>Meat Science</i> , 2017, 123, 151-156.	5.5	89
8	The creation of electric wind due to the electrohydrodynamic force. <i>Nature Communications</i> , 2018, 9, 371.	12.8	73
9	An innovative curing process with plasma-treated water for production of loin ham and for its quality and safety. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700050.	3.0	69
10	Interplay among ozone and nitrogen oxides in air plasmas: Rapid change in plasma chemistry. <i>Chemical Engineering Journal</i> , 2018, 352, 1014-1021.	12.7	67
11	Color development, physiochemical properties, and microbiological safety of pork jerky processed with atmospheric pressure plasma. <i>Innovative Food Science and Emerging Technologies</i> , 2019, 53, 78-84.	5.6	55
12	Plasma-Functionalized Solution: A Potent Antimicrobial Agent for Biomedical Applications from Antibacterial Therapeutics to Biomaterial Surface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43470-43477.	8.0	53
13	Effect of atmospheric pressure dielectric barrier discharge plasma on the biological activity of naringin. <i>Food Chemistry</i> , 2014, 160, 241-245.	8.2	47
14	Electron density and temperature measurement by continuum radiation emitted from weakly ionized atmospheric pressure plasmas. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	43
15	Color Developing Capacity of Plasma-treated Water as a Source of Nitrite for Meat Curing. <i>Korean Journal for Food Science of Animal Resources</i> , 2015, 35, 703-706.	1.5	42
16	Stabilization of liquid instabilities with ionized gas jets. <i>Nature</i> , 2021, 592, 49-53.	27.8	37
17	Evaluation of the Treatment of Both Sides of Raw Chicken Breasts with an Atmospheric Pressure Plasma Jet for the Inactivation of <i>Escherichia coli</i> . <i>Foodborne Pathogens and Disease</i> , 2014, 11, 652-657.	1.8	31
18	Functionalization of nanomaterials by non-thermal large area atmospheric pressure plasmas: application to flexible dye-sensitized solar cells. <i>Nanoscale</i> , 2013, 5, 7825.	5.6	27

#	ARTICLE	IF	CITATIONS
19	Electron characterization in weakly ionized collisional plasmas: from principles to techniques. <i>Advances in Physics: X</i> , 2019, 4, 1526114.	4.1	27
20	Continuum emission-based electron diagnostics for atmospheric pressure plasmas and characteristics of nanosecond-pulsed argon plasma jets. <i>Plasma Sources Science and Technology</i> , 2015, 24, 034003.	3.1	24
21	Effect of magnetic field configuration on the multiply charged ion and plume characteristics in Hall thruster plasmas. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	23
22	Effect of Inactivating Salmonella Typhimurium in Raw Chicken Breast and Pork Loin Using an Atmospheric Pressure Plasma Jet. <i>Journal of Animal Science and Technology</i> , 2013, 55, 545-549.	2.5	23
23	Effect of atmospheric pressure plasma jet on the foodborne pathogens attached to commercial food containers. <i>Journal of Food Science and Technology</i> , 2015, 52, 8410-8415.	2.8	22
24	Magnetic field configurations on thruster performance in accordance with ion beam characteristics in cylindrical Hall thruster plasmas. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	19
25	Multiple (eight) plasma bullets in helium atmospheric pressure plasma jet and the role of nitrogen. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	17
26	Plasma-Polymerized Phlorotannins and Their Enhanced Biological Activities. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 2357-2365.	5.2	16
27	Origin of hydroxyl radicals in a weakly ionized plasma-facing liquid. <i>Chemical Engineering Journal</i> , 2019, 378, 122163.	12.7	13
28	Spatio-temporally resolved electron temperature in argon radio-frequency capacitive discharge at atmospheric pressure. <i>Plasma Sources Science and Technology</i> , 2015, 24, 032006.	3.1	11
29	Electron Information in Single- and Dual-Frequency Capacitive Discharges at Atmospheric Pressure. <i>Scientific Reports</i> , 2018, 8, 7516.	3.3	10
30	Three-dimensional tomographically reconstructed optical emission profiles of Hall thruster plasmas. <i>Plasma Sources Science and Technology</i> , 2022, 31, 015013.	3.1	7
31	Electron heating in rf capacitive discharges at atmospheric-to-subatmospheric pressures. <i>Scientific Reports</i> , 2018, 8, 10217.	3.3	6
32	Tomography-based spatial uniformity diagnostics for meter-sized plasmas. <i>Plasma Sources Science and Technology</i> , 2018, 27, 10LT01.	3.1	5
33	Sparse data recovery of tomographic diagnostics for ultra-large-area plasmas. <i>Plasma Sources Science and Technology</i> , 2019, 28, 035012.	3.1	5
34	Surface plasma with an inkjet-printed patterned electrode for low-temperature applications. <i>Scientific Reports</i> , 2021, 11, 12206.	3.3	4
35	Nonheating ozone suppression in pulsed air discharges: role of pulse duration and repetition rate. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 394003.	2.8	4
36	Structure of the ion acceleration region in cylindrical Hall thruster plasmas. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 225204.	2.8	4

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37	Three distinct phases of electron heating in an rf-driven atmospheric-pressure plasma jet. Plasma Sources Science and Technology, 2022, 31, 055011.	3.1	2
38	Effects of atmospheric pressure plasma on microorganisms and human cells. , 2012, , .		1
39	Evolution of vacuum ultraviolet emission in dual-frequency capacitively coupled plasmas. Current Applied Physics, 2021, 31, 239-245.	2.4	1
40	Effect of Surface Dielectric Barrier Discharge on the Physiological Activities of Quercetin. The Korean Journal of Food and Nutrition, 2017, 30, 290-296.	0.3	1
41	Atmospheric pressure plasma induced cell cycle arrest in human aortic endothelial cells. FASEB Journal, 2013, 27, 916.8.	0.5	0
42	(Invited) Stabilizing Effect of Impinging Plasma Jet on the Water Surface. ECS Meeting Abstracts, 2021, MA2021-02, 685-685.	0.0	0