

Keisuke Takashima

List of Publications by Year in descending order

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15
papers

170
citations

1307594

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1125743

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all docs

15
docs citations

15
times ranked

189
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-heating phenomenon in a nanosecond pulse discharge in atmospheric-pressure air and its application for high-speed flow control. <i>Plasma Sources Science and Technology</i> , 2018, 27, 104005.	3.1	41
2	Atmospheric-pressure plasma irradiation can disrupt tobacco mosaic virus particles and RNAs to inactivate their infectivity. <i>Archives of Virology</i> , 2018, 163, 2835-2840.	2.1	27
3	Influence of discharge energy on the lift and drag forces induced by a nanosecond-pulse-driven plasma actuator. <i>Plasma Sources Science and Technology</i> , 2019, 28, 065006.	3.1	23
4	Humidification effect of air plasma effluent gas on suppressing conidium germination of a plant pathogenic fungus in the liquid phase. <i>Plasma Processes and Polymers</i> , 2020, 17, 1900004.	3.0	13
5	Liquid spray transport of air plasma-generated reactive species toward plant disease management. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 354004.	2.8	13
6	Investigation on dinitrogen pentoxide roles on air plasma effluent exposure to liquid water solution. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 064003.	2.8	12
7	Dynamic Stall Control around Practical Airfoil Using Nanosecond-Pulse-Driven Dielectric Barrier Discharge Plasma Actuators. <i>Energies</i> , 2020, 13, 1376.	3.1	12
8	Evaluation of plant stress due to plasma-generated reactive oxygen and nitrogen species using electrolyte leakage. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 010504.	1.5	8
9	Apparent reduced electric field control with nanosecond pulse width in a DC discharge for nitrogen vibrational excitation. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 060908.	1.5	4
10	Experimental detection of liquid-phase OH radical decay originating from atmospheric-pressure plasma exposure. <i>Applied Physics Express</i> , 2021, 14, 056001.	2.4	4
11	Activation of plant immunity by exposure to dinitrogen pentoxide gas generated from air using plasma technology. <i>PLoS ONE</i> , 2022, 17, e0269863.	2.5	4
12	Active flow control using plasma actuators in a reduced pressure environment. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 07LT01.	2.8	3
13	Quantitative evaluation of reactive oxygen and chlorine species generated by discharge in PBS. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 106002.	1.5	2
14	Characterization of middle-molecule introduction into cells using mm-scale discharge in saline. <i>Japanese Journal of Applied Physics</i> , 2020, 59, 040904.	1.5	2
15	Towards prevention and prediction of infectious diseases with virus sterilization using ultraviolet light and low-temperature plasma and bio-sensing devices for health and hygiene care. <i>Japanese Journal of Applied Physics</i> , 0, , .	1.5	2