

Min Kwan Kim

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

717
citations

1039880

9
h-index

1058333

14
g-index

17
all docs

17
docs citations

17
times ranked

483
citing authors

#	ARTICLE	IF	CITATIONS
1	Space micropropulsion systems for Cubesats and small satellites: From proximate targets to furthestmost frontiers. Applied Physics Reviews, 2018, 5, .	5.5	242
2	Electromagnetic Reduction of Plasma Density During Atmospheric Reentry and Hypersonic Flights. Journal of Spacecraft and Rockets, 2008, 45, 445-453.	1.3	137
3	Analysis of an Electromagnetic Mitigation Scheme for Reentry Telemetry Through Plasma. Journal of Spacecraft and Rockets, 2008, 45, 1223-1229.	1.3	106
4	Modeling of Electromagnetic Manipulation of Plasmas for Communication During Reentry Flight. Journal of Spacecraft and Rockets, 2010, 47, 29-35.	1.3	61
5	Electrostatic Manipulation of a Hypersonic Plasma Layer: Images of the Two-Dimensional Sheath. IEEE Transactions on Plasma Science, 2008, 36, 1198-1199.	0.6	40
6	Effectiveness of a Magnetohydrodynamics System for Mars Entry. Journal of Spacecraft and Rockets, 2012, 49, 1141-1149.	1.3	33
7	Modeling of Electron Energy Phenomena in Hypersonic Flows. Journal of Thermophysics and Heat Transfer, 2012, 26, 244-257.	0.9	30
8	Transient interaction between a reaction control jet and a hypersonic crossflow. Physics of Fluids, 2018, 30, .	1.6	14
9	Numerical investigation of a pulsed reaction control jet in hypersonic crossflow. Physics of Fluids, 2018, 30, .	1.6	14
10	Active plasma layer manipulation scheme during hypersonic flight. Aerospace Science and Technology, 2014, 35, 135-142.	2.5	10
11	Image-based attitude determination of co-orbiting satellites using deep learning technologies. Aerospace Science and Technology, 2022, 120, 107232.	2.5	10
12	Development of a rapid plasma decontamination system for decontamination and reuse of filtering facepiece respirators. AIP Advances, 2021, 11, 105311.	0.6	6
13	Generation of non-thermal plasmas over large and complex surfaces. Plasma Research Express, 2020, 2, 035010.	0.4	5
14	Plasma manipulation using a MHD-based device for a communication blackout in hypersonic flights. , 2011, , .		4
15	Electrical Model for Complex Surface DBD Plasma Sources. IEEE Transactions on Plasma Science, 2021, 49, 3051-3058.	0.6	3
16	Feasibility Study on the Use of Non-Thermal Plasma for a Cold Radio Blackout Experiment. , 2020, , .		2
17	Investigating the Feasibility of Electron Manipulation Scheme using a Cold Atmospheric Plasma Jet. , 2013, , .		0