

J Ananthanarasimhan

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

104
citations

1478505

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h-index

1372567

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15
all docs

15
docs citations

15
times ranked

67
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma-activated water from DBD as a source of nitrogen for agriculture: Specific energy and stability studies. Journal of Applied Physics, 2021, 129, .	2.5	21
2	Influence of gas dynamics on arc dynamics and the discharge power of a rotating gliding arc. Plasma Sources Science and Technology, 2019, 28, 085012.	3.1	19
3	Experimental investigation of a non-catalytic cold plasma water-gas shift reaction. Journal Physics D: Applied Physics, 2020, 53, 465205.	2.8	11
4	Destruction of biomass tar model compound in a rotating gliding arc plasma catalytic system: Contribution of typical transition metals in Ni-based bimetallic catalyst. Fuel, 2022, 323, 124385.	6.4	11
5	Validation of projected length of the rotating gliding arc plasma using \tilde{r}_{prop} function. Plasma Research Express, 2020, 2, 035008.	0.9	10
6	Estimation of electron density and temperature in an argon rotating gliding arc using optical and electrical measurements. Journal of Applied Physics, 2021, 129, .	2.5	8
7	Effect of Gas Dynamics on Discharge Modes and Plasma Chemistry in Rotating Gliding Arc Reactor. IEEE Transactions on Plasma Science, 2021, 49, 502-506.	1.3	7
8	Influence of transitional and turbulent flow on electrical, optical, morphological and chemical characteristics of a nitrogen rotating gliding arc. Journal Physics D: Applied Physics, 2022, 55, 245202.	2.8	6
9	Catalyst-free production of ammonia by means of interaction between a gliding arc plasma and water surface. Journal Physics D: Applied Physics, 2022, 55, 395501.	2.8	6
10	Influence of flow regime on the decomposition of diluted methane in a nitrogen rotating gliding arc. Scientific Reports, 2022, 12, .	3.3	2
11	Effect of gas flow rate on breakdown voltage in a rotating gliding arc reactor. Frontiers in Advanced Materials Research, 0, , 42-46.	0.2	1
12	Arc Diameter Estimation of a Rotating Gliding Arc Using a Simple High-Speed Camera and α -Gaussian Fit Function. IEEE Transactions on Plasma Science, 2022, 50, 1401-1406.	1.3	1
13	10.1063/5.0044014.1. , 2021, , .		0
14	Application of Non-thermal Plasmas in Medicine and Energy-Food-Water. Frontiers in Advanced Materials Research, 0, , 17-25.	0.2	0