

# Somnath De

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4995516/publications.pdf>

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11  
papers

159  
citations

1307594

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h-index

1372567

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docs citations

11  
times ranked

89  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat Transfer Enhancement and Entropy Generation in a Square Enclosure in the Presence of Adiabatic and Isothermal Blocks. Numerical Heat Transfer; Part A: Applications, 2013, 64, 577-596.	2.1	69
2	Application of recurrence quantification analysis for early detection of lean blowout in a swirl-stabilized dump combustor. Chaos, 2020, 30, 043115.	2.5	20
3	Detection and classification of lean blow-out and thermoacoustic instability in turbulent combustors. Applied Thermal Engineering, 2020, 180, 115808.	6.0	14
4	Investigation of flame behavior and dynamics prior to lean blowout in a combustor with varying mixedness of reactants for the early detection of lean blowout. International Journal of Spray and Combustion Dynamics, 2019, 11, 175682771881251.	1.0	13
5	Use of Flame Color and Chemiluminescence for Early Detection of Lean Blowout in Gas Turbine Combustors at Different Levels of Fuel-Air Premixing. Combustion Science and Technology, 2020, 192, 933-957.	2.3	12
6	Early detection of lean blowout in a combustor using symbolic analysis of colour images. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110113.	5.0	11
7	Early Prediction of Lean Blowout from Chemiluminescence Time Series Data. Combustion Science and Technology, 2022, 194, 1108-1135.	2.3	10
8	Recurrence network analysis exploring the routes to thermoacoustic instability in a Rijke tube with inverse diffusion flame. Chaos, 2021, 31, 033117.	2.5	5
9	Identification and early prediction of lean blowout in premixed flames. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	1.3	4
10	Early detection of lean blowout using recurrence network for varying degrees of premixedness. Chaos, 2022, 32, .	2.5	1
11	Characterization of laminar flame using high speed camera and spectrometer. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	1.3	0