# Somnath De

List of Publications by Year
in descending order



| 11 | 159 | 1307594 7 | 1372567 10 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 11 | 11 | 11 | 89 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Early Prediction of Lean Blowout from Chemiluminescence Time Series Data. Combustion Science and Technology, 2022, 194, 1108-1135. | 2.3 | 10 |
| 2 | Early detection of lean blowout using recurrence network for varying degrees of premixedness. Chaos, 2022, 32, . | 2.5 | 1 |
| 3 | Recurrence network analysis exploring the routes to thermoacoustic instability in a Rijke tube with inverse diffusion flame. Chaos, 2021, 31, 033117. | 2.5 | 5 |
| 4 | 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 |
| 5 | Use of Flame Color and Chemiluminescence for Early Detection of Lean Blowout in Gas Turbine Combustors at Different Levels of Fuelâ€“Air Premixing. Combustion Science and Technology, 2020, 192, 933-957. | 2.3 | 12 |
| 6 | Detection and classification of lean blow-out and thermoacoustic instability in turbulent combustors. Applied Thermal Engineering, 2020, 180, 115808. | 6.0 | 14 |
| 7 | Characterization of laminar flame using high speed camera and spectrometer. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1. | 1.3 | 0 |
| 8 | Identification and early prediction of lean blowout in premixed flames. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1. | 1.3 | 4 |
| 9 | Application of recurrence quantification analysis for early detection of lean blowout in a swirl-stabilized dump combustor. Chaos, 2020, 30, 043115. | 2.5 | 20 |
| 10 | 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 |
| 11 | 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 |