

Manisha B Padwal

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Gel propellants. <i>Progress in Energy and Combustion Science</i> , 2021, 83, 100885. | 31.2 | 62 |
| 2 | Effects of gellant concentration on the burning and flame structure of organic gel propellant droplets. <i>Fuel</i> , 2011, 90, 1805-1810. | 6.4 | 53 |
| 3 | Interactions among synthesis, rheology, and atomization of a gelled propellant. <i>Rheologica Acta</i> , 2016, 55, 177-186. | 2.4 | 33 |
| 4 | Thermal decomposition and combustion characteristics of HTPB-coarse AP composite solid propellants catalyzed with Fe ₂ O ₃ . <i>Combustion Science and Technology</i> , 2018, 190, 1614-1629. | 2.3 | 32 |
| 5 | Synthesis of Jet A1 gel fuel and its characterization for propulsion applications. <i>Fuel Processing Technology</i> , 2013, 106, 359-365. | 7.2 | 29 |
| 6 | Characteristics of gelled Jet A1 sprays formed by internal impingement of micro air jets. <i>Fuel</i> , 2016, 185, 599-611. | 6.4 | 22 |
| 7 | EFFECT OF AIR INJECTION CONFIGURATION ON THE ATOMIZATION OF GELLED JET A1 FUEL IN AN AIR-ASSIST INTERNALLY MIXED ATOMIZER. <i>Atomization and Sprays</i> , 2013, 23, 327-341. | 0.8 | 19 |
| 8 | Hypergolic combustion of boron based propellants. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 6703-6711. | 3.9 | 15 |
| 9 | Experimental Characterization of Gelled Jet A1 Spray Flames. <i>Flow, Turbulence and Combustion</i> , 2016, 97, 295-337. | 2.6 | 12 |
| 10 | Performance of Two-Fluid Atomization of Gel Propellant. <i>Journal of Propulsion and Power</i> , 2022, 38, 30-39. | 2.2 | 6 |
| 11 | EXPERIMENTAL STUDIES ON BLUFF BODY-ASSISTED AIRBLAST ATOMIZER. <i>Atomization and Sprays</i> , 2016, 26, 1127-1150. | 0.8 | 5 |
| 12 | Kinetic Modeling of the Premixed Combustion of Blast Furnace Gas and Effects of Variable Compositions. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 9658-9666. | 3.7 | 1 |