

Rohit J Jacob

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

596
citations

840776

11
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

669
citing authors

#	ARTICLE	IF	CITATIONS
1	Superreactive Nanoenergetic Gas Generators Based on Periodate Salts. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9743-9746.	13.8	103
2	Assembly and encapsulation of aluminum NP's within AP/NC matrix and their reactive properties. <i>Combustion and Flame</i> , 2017, 180, 175-183.	5.2	87
3	In Situ "Chainmail Catalyst" Assembly in Low Tortuosity, Hierarchical Carbon Frameworks for Efficient and Stable Hydrogen Generation. <i>Advanced Energy Materials</i> , 2018, 8, 1801289.	19.5	79
4	Energy release pathways in nanothermites follow through the condensed state. <i>Combustion and Flame</i> , 2015, 162, 258-264.	5.2	67
5	High speed 2-dimensional temperature measurements of nanothermite composites: Probing thermal vs. Gas generation effects. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	59
6	Quantifying the enhanced combustion characteristics of electrospray assembled aluminum mesoparticles. <i>Combustion and Flame</i> , 2016, 167, 472-480.	5.2	46
7	Stabilized microparticle aggregates of oxygen-containing nanoparticles in kerosene for enhanced droplet combustion. <i>Combustion and Flame</i> , 2018, 187, 77-86.	5.2	35
8	Pre-stressing aluminum nanoparticles as a strategy to enhance reactivity of nanothermite composites. <i>Combustion and Flame</i> , 2019, 205, 33-40.	5.2	35
9	Incomplete reactions in nanothermite composites. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	32
10	Size Resolved High Temperature Oxidation Kinetics of Nano-Sized Titanium and Zirconium Particles. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6171-6178.	2.5	28
11	Droplet combustion of kerosene augmented by stabilized nanoaluminum/oxidizer composite mesoparticles. <i>Combustion and Flame</i> , 2020, 211, 1-7.	5.2	12
12	Investigating the oxidation mechanism of tantalum nanoparticles at high heating rates. <i>Journal of Applied Physics</i> , 2017, 122, 245901.	2.5	9
13	Petroleum wellhead burning: A review of the basic science for burn efficiency prediction. <i>Fuel</i> , 2021, 303, 121279.	6.4	4
14	Triisobutylaluminum additive for liquid hydrocarbon burn enhancement. <i>Combustion and Flame</i> , 2019, 200, 53-59.	5.2	0