

Rohit J Jacob

List of Publications by Year in descending order

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14
papers

596
citations

840776

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1125743

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14
all docs

14
docs citations

14
times ranked

669
citing authors

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