

# Siva Kumar Valluri

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

291  
citations

1162367

8  
h-index

1125271

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

187  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ignition Mechanisms of Reactive Nanocomposite Powders Combining Al, B, and Si as Fuels with Metal Fluorides as Oxidizers. <i>Combustion Science and Technology</i> , 2023, 195, 597-618.	1.2	6
2	Combustion of Composites of Boron with Bismuth and Cobalt Fluorides in Different Environments. <i>Combustion Science and Technology</i> , 2021, 193, 1343-1358.	1.2	6
3	Fast energy release from reactive materials under shock compression. <i>Applied Physics Letters</i> , 2021, 118, 101902.	1.5	4
4	Boron-Rich Composite Thermite Powders with Binary Bi <sub>2</sub> O <sub>3</sub> -CuO Oxidizers. <i>Energy &amp; Fuels</i> , 2021, 35, 10327-10338.	2.5	4
5	Bismuth fluoride-coated boron powders as enhanced fuels. <i>Combustion and Flame</i> , 2020, 221, 1-10.	2.8	31
6	Preparation and Characterization of Silicon-Metal Fluoride Reactive Composites. <i>Nanomaterials</i> , 2020, 10, 2367.	1.9	5
7	Effect of boron content in B-BiF <sub>3</sub> and B-Bi composites on their ignition and combustion. <i>Combustion and Flame</i> , 2020, 215, 78-85.	2.8	29
8	Fluorine-containing oxidizers for metal fuels in energetic formulations. <i>Defence Technology</i> , 2019, 15, 1-22.	2.1	112
9	Combustion of Aluminum-Metal Fluoride Reactive Composites in Different Environments. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 1327-1336.	1.0	17
10	Fuel-rich aluminum-nickel fluoride reactive composites. <i>Combustion and Flame</i> , 2019, 210, 439-453.	2.8	18
11	Boron-Metal Fluoride Reactive Composites: Preparation and Reactions Leading to Their Ignition. <i>Journal of Propulsion and Power</i> , 2019, 35, 802-810.	1.3	19
12	Metal-rich aluminum-polytetrafluoroethylene reactive composite powders prepared by mechanical milling at different temperatures. <i>Journal of Materials Science</i> , 2017, 52, 7452-7465.	1.7	32
13	FUEL-RICH ALUMINUM-METAL FLUORIDE THERMITES. <i>International Journal of Energetic Materials and Chemical Propulsion</i> , 2017, 16, 81-101.	0.2	8