

# Siva Kumar Valluri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3704717/publications.pdf>

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13  
papers

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1162367

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docs citations

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187  
citing authors

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