

# Yue Jiang

## List of Publications by Year in descending order

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20  
papers

668  
citations

567281

15  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

513  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced interfacial bonding and mechanical properties in CNT/Al composites fabricated by flake powder metallurgy. Carbon, 2018, 130, 333-339.	10.3	129
2	Energetic Performance of Optically Activated Aluminum/Graphene Oxide Composites. ACS Nano, 2018, 12, 11366-11375.	14.6	99
3	Enhancing combustion performance of nano-Al/PVDF composites with $\hat{1}^2$ -PVDF. Combustion and Flame, 2020, 219, 467-477.	5.2	55
4	Synergistically Chemical and Thermal Coupling between Graphene Oxide and Graphene Fluoride for Enhancing Aluminum Combustion. ACS Applied Materials & Interfaces, 2020, 12, 7451-7458.	8.0	52
5	Experimental effective metal oxides to enhance boron combustion. Combustion and Flame, 2019, 205, 278-285.	5.2	51
6	Tuning the morphological, ignition and combustion properties of micron-Al/CuO thermites through different synthesis approaches. Combustion and Flame, 2018, 195, 303-310.	5.2	36
7	Enhancing Mechanical and Combustion Performance of Boron/Polymer Composites via Boron Particle Functionalization. ACS Applied Materials & Interfaces, 2021, 13, 28908-28915.	8.0	29
8	Modified Micro-Emulsion Synthesis of Highly Dispersed Al/PVDF Composites with Enhanced Combustion Properties. Advanced Engineering Materials, 2019, 21, 1801330.	3.5	28
9	High thermoelectric figure of merit of porous Si nanowires from 300 to 700 $\hat{1}^{\circ}$ K. Nature Communications, 2021, 12, 3926.	12.8	26
10	Efficient and Stable Acidic Water Oxidation Enabled by Low-Concentration, High-Valence Iridium Sites. ACS Energy Letters, 2022, 7, 2228-2235.	17.4	25
11	Electroless Deposition and Ignition Properties of Si/Fe <sub>2</sub> O <sub>3</sub> Core/Shell Nanothermites. ACS Omega, 2017, 2, 3596-3600.	3.5	24
12	Probing boron thermite energy release at rapid heating rates. Combustion and Flame, 2021, 231, 111491.	5.2	20
13	Ultrahigh-Quality Infrared Polaritonic Resonators Based on Bottom-Up-Synthesized van der Waals Nanoribbons. ACS Nano, 2022, 16, 3027-3035.	14.6	20
14	Effect of Fluoroalkylsilane Surface Functionalization on Boron Combustion. ACS Applied Materials & Interfaces, 2022, 14, 20190-20196.	8.0	18
15	Ignition and combustion of Perfluoroalkyl-functionalized aluminum nanoparticles and nanothermite. Combustion and Flame, 2022, 242, 112170.	5.2	18
16	On-demand production of hydrogen by reacting porous silicon nanowires with water. Nano Research, 2020, 13, 1459-1464.	10.4	14
17	Ultrahigh Doping of Graphene Using Flame-Deposited MoO <sub>3</sub> . IEEE Electron Device Letters, 2020, 41, 1592-1595.	3.9	11
18	Facilitating laser ignition and combustion of boron with a mixture of graphene oxide and graphite fluoride. Applications in Energy and Combustion Science, 2020, 1-4, 100013.	1.5	9

#	ARTICLE	IF	CITATIONS
19	Effect of doping TiO <sub>2</sub> with Mn for electrocatalytic oxidation in acid and alkaline electrolytes. Energy Advances, 2022, 1, 357-366.	3.3	4
20	Ultra-high quality van der Waals hyperbolic polariton resonators. , 2022, , .		0