Zheng Chen

List of Publications by Year
in descending order

15 papers	315 citations	840776 11 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	310 citing authors

#	Article	IF	Citations
1	Tungsten carbide/carbon composite synthesized by combustion-carbothermal reduction method as electrocatalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2016, 41, 13005-13013.	7.1	54
2	Solution combustion synthesis of nanosized WO_x: characterization, mechanism and excellent photocatalytic properties. RSC Advances, 2016, 6, 83101-83109.	3.6	40
3	Combustion synthesis and excellent photocatalytic degradation properties of W₁₈O₄₉. CrystEngComm, 2015, 17, 5889-5894.	2.6	31
4	Preparation of intragranular-oxide-strengthened ultrafine-grained tungsten via low-temperature pressureless sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 774, 138878.	5.6	26
5	Facile preparation of network-like porous hematite (Î±-Fe 2 O 3) nanosheets via a novel combustion-based route. Ceramics International, 2016, 42, 10380-10388.	4.8	25
6	Particle size distribution control and related properties improvements of tungsten powders by fluidized bed jet milling. Advanced Powder Technology, 2017, 28, 1603-1610.	4.1	25
7	Fabrication of fine-grained spherical tungsten powder by radio frequency (RF) inductively coupled plasma spheroidization combined with jet milling. Advanced Powder Technology, 2017, 28, 3158-3163.	4.1	23
8	Effect of La2O3 addition on the synthesis of tungsten nanopowder via combustion-based method. Journal of Materials Science and Technology, 2020, 58, 24-33.	10.7	22
9	Fabrication of tungsten nanopowder by combustion-based method. International Journal of Refractory Metals and Hard Materials, 2017, 68, 145-150.	3.8	20
10	Effect of La2O3 content on the densification, microstructure and mechanical property of W-La2O3 alloy via pressureless sintering. Materials Characterization, 2021, 175, 111092.	4.4	18
11	Effects of doping route on microstructure and mechanical properties of Wâˆ’1.0wt.%La2O3 alloys. Transactions of Nonferrous Metals Society of China, 2020, 30, 3296-3306.	4.2	15
12	Thermal Stability and Grain Growth Kinetics of Ultrafine-Grained W with Various Amount of La2O3 Addition. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 4113-4122.	2.2	9
13	Developing Elastic, Robust, and Highly Porous Metal Foams Using Carbon Nanotube Scaffolds. ACS Applied Electronic Materials, 2020, 2, 2090-2097.	4.3	3
14	Wâ€“Cu Composite with High W Content Prepared by Grading Rounded W Powder with Narrow Particle Size Distribution. Materials, 2022, 15, 1904.	2.9	2
15	Preparation and characterization of W@WCx composite powder by oxidation-vacuum carbonization process. Vacuum, 2022, 203, 111227.	3.5	2