Bo Huang

List of Publications by Year
in descending order

19	262	1040056 9	940533 16
papers	citations	h-index	g-index

19	19	19	157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanochemical processing of Cu-Y2O3 alloy by MA-HIP for heat sink materials application. Fusion Engineering and Design, 2019, 140, 33-40.	1.9	31
2	Correlation between the microstructure, mechanical/thermal properties, and thermal shock resistance of K-doped tungsten alloys. Journal of Nuclear Materials, 2019, 520, 6-18.	2.7	29
3	Design of highly thermal-shock resistant tungsten alloys with nanoscaled intra- and inter-type K bubbles. Journal of Alloys and Compounds, 2019, 782, 149-159.	5.5	28
4	Preparation and thermal shock characterization of yttrium doped tungsten-potassium alloy. Journal of Alloys and Compounds, 2016, 686, 298-305.	5.5	26
5	Effect of potassium doping on the thermal shock behavior of tungsten. International Journal of Refractory Metals and Hard Materials, 2015, 51, 19-24.	3.8	23
6	Microstructure and bubble formation of Alâ€“Kâ€“Si doped tungsten prepared by spark plasma sintering. International Journal of Refractory Metals and Hard Materials, 2016, 54, 335-341.	3.8	20
7	Preparation and characterization of potassium doped tungsten. Journal of Nuclear Materials, 2013, 440, 414-419.	2.7	17
8	Effects of low energy helium plasma irradiation on potassium doped tungsten. Fusion Engineering and Design, 2017, 117, 8-13.	1.9	16
9	Effect of molybdenum doping on the microstructure, micro-hardness and thermal shock behavior of W K Mo Ti Y alloy. Journal of Alloys and Compounds, 2016, 678, 533-540.	5.5	15
10	Surface morphology and microstructure evolution of trace titanium and yttrium in W-K-Mo-Ti-Y alloys under transient heat loads. International Journal of Refractory Metals and Hard Materials, 2018, 75, 299-305.	3.8	8
11	High thermal shock resistance realized by Ti/TiH2 doped tungsten-potassium alloys. Journal of Alloys and Compounds, 2019, 780, 388-399.	5.5	8
12	Room-temperature tensile strength and thermal shock behavior of spark plasma sintered W-K-TiC alloys. Nuclear Engineering and Technology, 2019, 51, 190-197.	2.3	8
13	Recrystallization behavior after annealing and thermal shock tests of W-K-TiC alloy. Fusion Engineering and Design, 2017, 122, 223-227.	1.9	7
14	Fabrication and Helium Irradiation of Potassium-Doped Tungsten. Fusion Science and Technology, 2014, 66, 278-282.	1.1	5
15	Irradiation effects of H/He neutral beam on different forged tungsten materials. Tungsten, 2019, 1, 169-177.	4.8	5
16	Investigations on the formation of multi-modal size distribution of mechanochemically processed Cu-Y-CuO powders. Fusion Engineering and Design, 2020, 158, 111852.	1.9	5
17	Improving the mechanical properties and thermal shock resistance of W-Y2O3 composites by two-step high-energy-rate forging. International Journal of Refractory Metals and Hard Materials, 2022, 107, 105883.	3.8	5
18	Combining the K-bubble strengthening and Y-doping: Microstructure, mechanical/thermal properties, and thermal shock behavior of W-K-Y alloys. International Journal of Refractory Metals and Hard Materials, 2022, 103, 105739.	3.8	4

#	Article	IF	Citations
19	Superconductivity induced by U doping in the SmFeAsO system. Physical Review B, 2013, 87, .	3.2	2