Wei Zhang

List of Publications by Year
in descending order

21 papers	506 citations	623734 14 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	170 citing authors

#	Article	IF	Citations
1	Frictional Characteristics of Carbide Ceramics in Water. Journal of Tribology, 2022, 144, .	1.9	8
2	A novel ceramic with low friction and wear toward tribological applications: Boron carbide-silicon carbide. Advances in Colloid and Interface Science, 2022, 301, 102604.	14.7	19
3	Tribology of SiC ceramics under lubrication: Features, developments, and perspectives. Current Opinion in Solid State and Materials Science, 2022, 26, 101000.	11.5	23
4	A review of tribological properties for boron carbide ceramics. Progress in Materials Science, 2021, 116, 100718.	32.8	62
5	A study of B₄Câ€SiC composite for selfâ€lubrication. Journal of the American Ceramic Society, 2021, 104, 2325-2336.	3.8	13
6	Effect of Water Temperature on Tribological Performance of B4C-SiC Ceramics under Water Lubrication. Tribology Letters, 2021, 69, 1.	2.6	14
7	B₄Câ€“SiC Ceramics with Interfacial Nanorelief Morphologies and Low Underwater Friction and Wear. ACS Applied Nano Materials, 2021, 4, 3159-3166.	5.0	14
8	Tribological behaviour of B₄C-SiC composite ceramics under water lubrication: influence of counterpart. Materials Science and Technology, 2021, 37, 863-876.	1.6	9
9	Self lubrication of pressureless sintered SiC ceramics. Journal of Materials Research and Technology, 2020, 9, 12880-12888.	5.8	20
10	Effects of load on tribological properties of B₄C and B₄C-SiC ceramics sliding against SiC balls. Journal of Asian Ceramic Societies, 2020, 8, 586-596.	2.3	22
11	Effect of counterbody on tribological properties of B4Câ€“SiC composite ceramics. Wear, 2020, 458-459, 203418.	3.1	17
12	Tribological Properties of B₄C Ceramics Prepared by Pressureless Sintering and Annealed at Different Temperatures. Tribology Transactions, 2020, 63, 672-682.	2.0	13
13	Progress in tribological research of SiC ceramics in unlubricated sliding-A review. Materials and Design, 2020, 190, 108528.	7.0	83
14	Tribological properties of SiC-B4C ceramics under dry sliding condition. Journal of the European Ceramic Society, 2020, 40, 2855-2861.	5.7	30
15	A study on formation mechanisms of relief structure formed in situ on the surface of ceramics. Ceramics International, 2019, 45, 23143-23148.	4.8	17
16	Progress in pressureless sintering of boron carbide ceramics â€“ a review. Advances in Applied Ceramics, 2019, 118, 222-239.	1.1	70
17	Effect of nanorelief structure formed in situ on tribological properties of ceramics in dry sliding. Ceramics International, 2019, 45, 13818-13824.	4.8	22
18	Study on friction behavior of SiC-B₄C composite ceramics after annealing. Industrial Lubrication and Tribology, 2019, 72, 673-679.	1.3	12

#	Article	IF	Citations
19	Influence of surface roughness parameters and surface morphology on friction performance of ceramics. Journal of the Ceramic Society of Japan, 2019, 127, 837-842.	1.1	29
20	Research on application of kyanite in plastic refractory. Diqiu Huaxue, 2013, 32, 326-330.	0.5	4
21	Research on thermal shock resistance of mullite-bauxite-silicon carbide castable refractory. Diqiu Huaxue, 2012, 31, 204-208.	0.5	5