# Wei Zhang

List of Publications by Year
in descending order



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

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Frictional Characteristics of Carbide Ceramics in Water. Journal of Tribology, 2022, 144, . | 1.9 | 8 |
| 20 | Research on thermal shock resistance of mullite-bauxite-silicon carbide castable refractory. Diqiu Huaxue, 2012, 31, 204-208. | 0.5 | 5 |
| 21 | Research on application of kyanite in plastic refractory. Diqiu Huaxue, 2013, 32, 326-330. | 0.5 | 4 |