Pei Zhang

List of Publications by Year
in descending order

Version: 2024-02-01

15 papers	338 citations	1040056 9 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	73 citing authors

#	Article	IF	Citations
1	Micro/nano multiscale reinforcing strategies toward extreme high-temperature applications: Take carbon/carbon composites and their coatings as the examples. Journal of Materials Science and Technology, 2022, 96, 31-68.	10.7	113
2	SiC-Si coating with micro-pores to protect carbon/carbon composites against oxidation. Journal of the European Ceramic Society, 2021, 41, 114-120.	5.7	43
3	Oxidation behavior of SiC-HfB2-Si coating on C/C composites prepared by slurry dipping combined with gaseous Si infiltration. Surface and Coatings Technology, 2020, 385, 125335.	4.8	36
4	Comparing oxidation behaviors at 1773ÂK and 1973ÂK of HfB2-MoSi2/SiC-Si coating prepared by a combination method of pack cementation, slurry painting and in-situ synthesis. Surface and Coatings Technology, 2020, 403, 126418.	4.8	29
5	Microstructure evolution of in-situ SiC-HfB2-Si ternary coating and its corrosion behaviors at ultra-high temperatures. Journal of the European Ceramic Society, 2021, 41, 6223-6237.	5.7	22
6	Effect of pack cementation temperatures on component, microstructure and anti-oxidation performance of Al-modified SiC coatings on C/C composites. Ceramics International, 2020, 46, 8293-8298.	4.8	20
7	A compound glass coating with micro-pores to protect SiC-coated C/C composites against oxidation at 1773ÂK and 1973ÂK. Corrosion Science, 2022, 195, 109983.	6.6	15
8	Multicomponent (Hf0.25Zr0.25Ti0.25Cr0.25)B2 ceramic modified SiCâ€“Si composite coatings: In-situ synthesis and high-temperature oxidation behavior. Ceramics International, 2022, 48, 12608-12624.	4.8	13
9	Development of SiC-ZrC-based ultra-high temperature ceramic coatings via composite method of polymer precursor pyrolysis plus gaseous reactive infiltration. Surface and Coatings Technology, 2022, 431, 127996.	4.8	11
10	SiC/HfB2-based ceramic/SiC multilayer coating to protect C/C composites against oxidation at medium and high temperatures for long-life service. Corrosion Science, 2022, 201, 110299.	6.6	9
11	Oxidation behavior of medium-entropy (Y1/3Yb1/3Lu1/3)2O3 modified SiC ceramic at 1700 Â°C: Experimental and theoretical study. Journal of the European Ceramic Society, 2021, 41, 5825-5834.	5.7	8
12	High-entropy (Hf0.25Zr0.25Ti0.25Cr0.25)B2 ceramic incorporated SiC-Si composite coating to protect C/C composites against ablation above 2400ÂK. Ceramics International, 2022, 48, 27106-27119.	4.8	8
13	Microstructure evolution and oxidation mechanism of HfB2-SiC coating on SiC-coated C/C composites at 1173ÂK and 1773ÂK. Ceramics International, 2022, 48, 30807-30816.	4.8	7
14	Microstructure and resistance to thermal shock of SiC coatings that are prepared on C/C-composite pyrocarbon matrices of various textures. Ceramics International, 2021, 47, 9818-9826.	4.8	3
15	Microstructure and mechanical properties of C/C composites modified by single-source precursor derived ceramics. Journal of the European Ceramic Society, 2022, , .	5.7	1