

Pei Zhang

List of Publications by Year in descending order

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15
papers

338
citations

1040056

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996975

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docs citations

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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. <i>Journal of Materials Science and Technology</i> , 2022, 96, 31-68.	10.7	113
2	A compound glass coating with micro-pores to protect SiC-coated C/C composites against oxidation at 1773ÅK and 1973ÅK. <i>Corrosion Science</i> , 2022, 195, 109983.	6.6	15
3	Development of SiC-ZrC-based ultra-high temperature ceramic coatings via composite method of polymer precursor pyrolysis plus gaseous reactive infiltration. <i>Surface and Coatings Technology</i> , 2022, 431, 127996.	4.8	11
4	Multicomponent (Hf _{0.25} Zr _{0.25} Ti _{0.25} Cr _{0.25})B ₂ ceramic modified SiCâ€“Si composite coatings: In-situ synthesis and high-temperature oxidation behavior. <i>Ceramics International</i> , 2022, 48, 12608-12624.	4.8	13
5	SiC/HfB ₂ -based ceramic/SiC multilayer coating to protect C/C composites against oxidation at medium and high temperatures for long-life service. <i>Corrosion Science</i> , 2022, 201, 110299.	6.6	9
6	High-entropy (Hf _{0.25} Zr _{0.25} Ti _{0.25} Cr _{0.25})B ₂ ceramic incorporated SiC-Si composite coating to protect C/C composites against ablation above 2400ÅK. <i>Ceramics International</i> , 2022, 48, 27106-27119.	4.8	8
7	Microstructure and mechanical properties of C/C composites modified by single-source precursor derived ceramics. <i>Journal of the European Ceramic Society</i> , 2022, , .	5.7	1
8	Microstructure evolution and oxidation mechanism of HfB ₂ -SiC coating on SiC-coated C/C composites at 1173ÅK and 1773ÅK. <i>Ceramics International</i> , 2022, 48, 30807-30816.	4.8	7
9	SiC-Si coating with micro-pores to protect carbon/carbon composites against oxidation. <i>Journal of the European Ceramic Society</i> , 2021, 41, 114-120.	5.7	43
10	Microstructure and resistance to thermal shock of SiC coatings that are prepared on C/C-composite pyrocarbon matrices of various textures. <i>Ceramics International</i> , 2021, 47, 9818-9826.	4.8	3
11	Oxidation behavior of medium-entropy (Y _{1/3} Yb _{1/3} Lu _{1/3}) ₂ O ₃ modified SiC ceramic at 1700 Å°C: Experimental and theoretical study. <i>Journal of the European Ceramic Society</i> , 2021, 41, 5825-5834.	5.7	8
12	Microstructure evolution of in-situ SiC-HfB ₂ -Si ternary coating and its corrosion behaviors at ultra-high temperatures. <i>Journal of the European Ceramic Society</i> , 2021, 41, 6223-6237.	5.7	22
13	Effect of pack cementation temperatures on component, microstructure and anti-oxidation performance of Al-modified SiC coatings on C/C composites. <i>Ceramics International</i> , 2020, 46, 8293-8298.	4.8	20
14	Comparing oxidation behaviors at 1773ÅK and 1973ÅK of HfB ₂ -MoSi ₂ /SiC-Si coating prepared by a combination method of pack cementation, slurry painting and in-situ synthesis. <i>Surface and Coatings Technology</i> , 2020, 403, 126418.	4.8	29
15	Oxidation behavior of SiC-HfB ₂ -Si coating on C/C composites prepared by slurry dipping combined with gaseous Si infiltration. <i>Surface and Coatings Technology</i> , 2020, 385, 125335.	4.8	36