Yanfei Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

16	391	759233 12	940533 16
papers	citations	h-index	g-index

16	16	16	285
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The excellent protection effects of silicon/ytterbium silicate bilayer environmental barrier coatings on SiC_f/SiC composites. International Journal of Applied Ceramic Technology, 2022, 19, 2950-2956.	2.1	2
2	The toughening of pyrochlore La₂Zr₂O₇ by a ferroelastic NdAlO₃ second phase for potential thermal barrier coating applications. Journal of the American Ceramic Society, 2021, 104, 3508-3517.	3.8	11
3	Property evolutions of Si/mixed Yb2Si2O7 and Yb2SiO5 environmental barrier coatings completely wrapping up SiCf/SiC composites under 1300â€Â°C water vapor corrosion. Ceramics International, 2021, 47, 22373-22381.	4.8	27
4	Effects of CVI SiC amount and deposition rates on properties of SiCf/SiC composites fabricated by hybrid chemical vapor infiltration (CVI) and precursor infiltration and pyrolysis (PIP) routes. Ceramics International, 2021, 47, 26971-26977.	4.8	21
5	Theoretical and experimental investigation of Xenotime-type rare earth phosphate REPO4, (REâ€‰=â€‰Lu, Yb,) Tj ETQq1 1 0.78431 13681.	3.3	14
6	Microstructure Characterization by X-Ray Computed Tomography of C/C-SiC Ceramic Composites Fabricated with Different Carbon Fiber Architectures. Applied Composite Materials, 2019, 26, 1247-1260.	2.5	14
7	Effects of atom- and phase-scale compressive stress on fracture toughness in yttrium-doped lanthanum zirconate solid solutions. Ceramics International, 2018, 44, 6590-6600.	4.8	12
8	Study on water vapor corrosion resistance of rare earth monosilicates RE2SiO5 (RE = Lu, Yb, Tm, Er,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.2	10
9	Thermal shock behavior of mixed ytterbium disilicates and ytterbium monosilicates composite environmental barrier coatings. Surface and Coatings Technology, 2018, 352, 348-353.	4.8	28
10	Lanthanum zirconate ceramic toughened by ferroelastic domain switching of LaAlO3. Ceramics International, 2018, 44, 15954-15958.	4.8	12
11	Ferroelastic domain switching toughening in spark plasma sintered tâ€™-yttria stabilized zirconia/La2Zr2O7 composite ceramics. Ceramics International, 2017, 43, 13020-13024.	4.8	20
12	Enhanced ionic conductivity in pyrochlore and fluorite mixed phase yttrium-doped lanthanum zirconate. Journal of Power Sources, 2015, 273, 290-297.	7.8	26
13	Role and determining factor of substitutional defects on thermal conductivity: A study of La2(Zr1â^'xBx)2O7 (B=Hf, Ce, 0â©½xâ©½0.5) pyrochlore solid solutions. Acta Materialia, 2014, 68, 106-115.	7.9	71
14	The phase stability and toughening effect of 3Y-TZP dispersed in the lanthanum zirconate ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 604, 34-39.	5.6	44
15	Rattlers or oxygen vacancies: Determinant of high temperature plateau thermal conductivity in doped pyrochlores. Applied Physics Letters, 2013, 102, .	3.3	16
16	Glass-like thermal conductivities in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mo		