Nico Langhof

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8954926/publications.pdf

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26	467	687363	677142
papers	citations	13	22
		h-index	g-index

28	28	28	251
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fatigue behavior and residual strength evolution of 2.5D C/C-SiC composites. Journal of the European Ceramic Society, 2016, 36, 3977-3985.	5.7	52
2	Full-ceramic brake systems for high performance friction applications. Journal of the European Ceramic Society, 2016, 36, 3823-3832.	5.7	50
3	Mechanical behavior of LSI based C/C-SiC composites subjected to flexural loadings. Composites Part A: Applied Science and Manufacturing, 2017, 95, 315-324.	7.6	41
4	Influence of the carbonization temperature on the mechanical properties of thermoplastic polymer derived C/C-SiC composites. Journal of the European Ceramic Society, 2017, 37, 523-529.	5.7	39
5	In-situ growth of SiC nanostructures and their influence on anti-oxidation capability of C/SiC composites. Corrosion Science, 2017, 124, 71-79.	6.6	30
6	Damage analysis of 2.5D C/C-SiC composites subjected to fatigue loadings. Journal of the European Ceramic Society, 2019, 39, 2244-2250.	5.7	30
7	Strength evolution of cyclic loaded LSI-based C/C-SiC composites. Ceramics International, 2016, 42, 14505-14510.	4.8	26
8	Influence of Thermal Fiber Pretreatment on Microstructure and Mechanical Properties of C/Câ€SiC with Thermoplastic Polymerâ€Derived Matrices. Advanced Engineering Materials, 2015, 17, 1119-1126.	3.5	24
9	Tensile fatigue behavior of plain-weave reinforced C f /Câ€“SiC composites. Ceramics International, 2016, 42, 6850-6857.	4.8	24
10	Influence of in-plane and out-of-plane machining on the surface topography, the removal mechanism and the flexural strength of 2D C/C-SiC composites. Journal of the European Ceramic Society, 2021, 41, 3108-3119.	5.7	21
11	Additive manufacturing of carbon fiber reinforced ceramic matrix composites based on fused filament fabrication. Journal of the European Ceramic Society, 2022, 42, 1822-1828.	5.7	21
12	Synthesis and growth mechanism of SiC nanofibres on carbon fabrics. CrystEngComm, 2017, 19, 1279-1285.	2.6	20
13	Tailored macro-pores during the formation of C/C-SiC via liquid phase pyrolysis. Journal of the European Ceramic Society, 2021, 41, 2995-3001.	5.7	16
14	Fiber orientation dependence of tribological behavior of short carbon fiber reinforced ceramic matrix composites. Journal of the American Ceramic Society, 2022, 105, 538-552.	3.8	10
15	CMC jackets for metallic pipes â€“ A novel approach to prevent the creep deformation of thermo-mechanically loaded metals. Journal of the European Ceramic Society, 2018, 38, 2954-2960.	5.7	9
16	Effect of pyrolysis temperature on the microstructure and capillary infiltration behavior of carbon/carbon composites. Ceramics International, 2018, 44, 16325-16332.	4.8	8
17	Size effect of carbon fiber-reinforced silicon carbide composites (C/C-SiC): Part 1 â€“ bending load and statistical effects. Journal of the European Ceramic Society, 2021, 41, 6805-6814.	5.7	8
18	Enhancing the Mechanical Strength of Electrolyte-Supported Solid Oxide Cells with Thin and Dense Doped-Ceria Interlayers. ACS Applied Materials & Interfaces, 2021, 13, 49879-49889.	8.0	8

#	Article	IF	Citations
19	Size effect of carbon fiber-reinforced silicon carbide composites (C/C-SiC): Part 2 - tensile testing with alignment device. Journal of the European Ceramic Society, 2022, 42, 1227-1237.	5.7	8
20	Development and tribological studies of a novel metalâ€ceramic hybrid brake disc. International Journal of Applied Ceramic Technology, 2022, 19, 62-74.	2.1	7
21	Mechanical Properties of PEEKâ€Derived C/SiC Composites with Different Fiber Lengths. Advanced Engineering Materials, 2019, 21, 1800835.	3.5	6
22	The Evaluation of Thermoplastic Precursors for C/C-SiC Manufactured by Liquid Silicon Infiltration (LSI). Materials Science Forum, 0, 825-826, 232-239.	0.3	4
23	Crack development and deformation mechanisms of carbon-fiber-reinforced plastics at elevated temperatures. Engineering Fracture Mechanics, 2016, 153, 244-258.	4.3	2
24	Oxidation Behavior of Alumina Fiber Reinforced SiCO Composites for a Coâ€Firing Process on Steel Pipes. Advanced Engineering Materials, 2019, 21, 1900233.	3.5	1
25	Silicon infiltrated silicon carbide from extruded thermoplastic wood polymer composites. International Journal of Applied Ceramic Technology, 2020, 17, 3-10.	2.1	1
26	Walter Krenkel â€“ CMCâ€pioneer and dedicated expert on ceramics. International Journal of Applied Ceramic Technology, 2022, 19, 5-6.	2.1	0