

Nadia Rohbeck

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

269
citations

933447

10
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

288
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of ytterbium disilicate environmental barrier coatings in high temperature steam atmosphere. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3153-3163.	5.7	52
2	Effect of high strain rates and temperature on the micromechanical properties of 3D-printed polymer structures made by two-photon lithography. <i>Materials and Design</i> , 2020, 195, 108977.	7.0	39
3	Comparison of the oxidation behavior of a zirconium nitride coating in water vapor and air at high temperature. <i>Corrosion Science</i> , 2018, 138, 242-251.	6.6	31
4	Evaluation of the mechanical performance of silicon carbide in TRISO fuel at high temperatures. <i>Nuclear Engineering and Design</i> , 2016, 306, 52-58.	1.7	27
5	Effects of thermal treatment on the mechanical integrity of silicon carbide in HTR fuel up to 2200 Å°C. <i>Journal of Nuclear Materials</i> , 2014, 451, 168-178.	2.7	24
6	An Original Way to Investigate Silver Migration Through Silicon Carbide Coating in <sc>TRISO</sc> Particles. <i>Journal of the American Ceramic Society</i> , 2014, 97, 1979-1986.	3.8	14
7	In-situ nanoindentation of irradiated silicon carbide in TRISO particle fuel up to 500Å°C. <i>Journal of Nuclear Materials</i> , 2015, 465, 692-694.	2.7	14
8	Effects of water vapor on the oxidation and the fracture strength of SiC layer in <sc>TRISO</sc> fuel particles. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2154-2165.	3.8	14
9	Mechanics of Nanoscale $\mu\text{-Fe}_2\text{O}_3$ /Organic Superlattices toward Flexible Thin-Film Magnets. <i>ACS Applied Nano Materials</i> , 2021, 4, 1692-1701.	5.0	13
10	Comparison study of silicon carbide coatings produced at different deposition conditions with use of high temperature nanoindentation. <i>Journal of Materials Science</i> , 2017, 52, 1868-1882.	3.7	12
11	Microstructure, Hardness, and Elastic Modulus of a Multibeam-Sputtered Nanocrystalline Co-Cr-Fe-Ni Compositional Complex Alloy Film. <i>Materials</i> , 2021, 14, 3357.	2.9	10
12	Molecular layer deposited alucone thin films from long-chain organic precursors: from brittle to ductile mechanical characteristics. <i>Dalton Transactions</i> , 2020, 49, 10832-10838.	3.3	9
13	Nanoscale 3D Electroforming by Template Pyrolysis. <i>Advanced Engineering Materials</i> , 2021, 23, 2001293.	3.5	4
14	Mechanical properties and XRD studies of silicon carbide inert matrix fuel fabricated by a low temperature polymer precursor route. <i>Journal of Nuclear Materials</i> , 2013, 432, 152-159.	2.7	2
15	Combinatorial Study of Phase Composition, Microstructure and Mechanical Behavior of Co-Cr-Fe-Ni Nanocrystalline Film Processed by Multiple-Beam-Sputtering Physical Vapor Deposition. <i>Materials</i> , 2022, 15, 2319.	2.9	2
16	Mechanical Properties of Atomic-Layer-Deposited $\text{Al}_2\text{O}_3/\text{Y}_2\text{O}_3$ Nanolaminate Films on Aluminum toward Protective Coatings. <i>ACS Applied Nano Materials</i> , 2022, 5, 6285-6296.	5.0	2