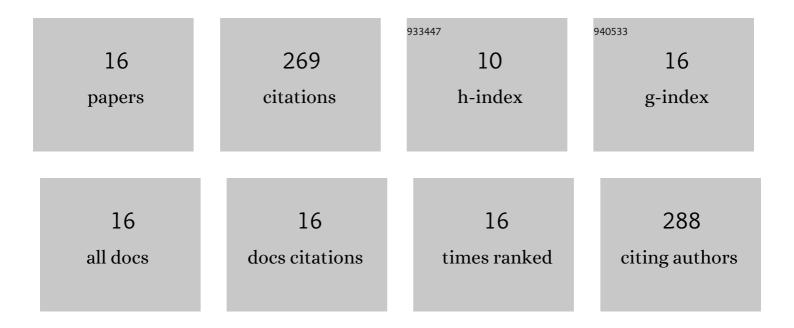
Nadia Rohbeck

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3101392/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Degradation of ytterbium disilicate environmental barrier coatings in high temperature steam atmosphere. Journal of the European Ceramic Society, 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. Materials and Design, 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. Corrosion Science, 2018, 138, 242-251.	6.6	31
4	Evaluation of the mechanical performance of silicon carbide in TRISO fuel at high temperatures. Nuclear Engineering and Design, 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 °C. Journal of Nuclear Materials, 2014, 451, 168-178.	2.7	24
6	An Original Way to Investigate Silver Migration Through Silicon Carbide Coating in <scp>TRISO</scp> Particles. Journal of the American Ceramic Society, 2014, 97, 1979-1986.	3.8	14
7	In-situ nanoindentation of irradiated silicon carbide in TRISO particle fuel up to 500°C. Journal of Nuclear Materials, 2015, 465, 692-694.	2.7	14
8	Effects of water vapor on the oxidation and the fracture strength of SiC layer in <scp>TRISO</scp> fuel particles. Journal of the American Ceramic Society, 2017, 100, 2154-2165.	3.8	14
9	Mechanics of Nanoscale ε-Fe ₂ O ₃ /Organic Superlattices toward Flexible Thin-Film Magnets. ACS Applied Nano Materials, 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. Journal of Materials Science, 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. Materials, 2021, 14, 3357.	2.9	10
12	Molecular layer deposited alucone thin films from long-chain organic precursors: from brittle to ductile mechanical characteristics. Dalton Transactions, 2020, 49, 10832-10838.	3.3	9
13	Nanoscale 3D Electroforming by Template Pyrolysis. Advanced Engineering Materials, 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. Journal of Nuclear Materials, 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. Materials, 2022, 15, 2319.	2.9	2
16	Mechanical Properties of Atomic-Layer-Deposited Al ₂ O ₃ /Y ₂ O ₃ Nanolaminate Films on Aluminum toward Protective Coatings. ACS Applied Nano Materials, 2022, 5, 6285-6296.	5.0	2