

# **Microstructural tailoring and ablation behavior of $Ta_{0.8}Hf_{0.2}C$ -based ultra-high temperature composites**

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Dr. Jie Yin is an associate professor in Shanghai Institute of Ceramics Chinese Academy of Sciences (SICCAS) in Prof. Zhengren Huang's group. He received his Ph.D. degree in 2013 from University of Chinese Academy of Sciences. After graduation, he conducted post-doctoral research in Korea Institute of Material Sciences, and New York State College of Ceramics at Alfred University. He returned to SICCAS by the end of 2015. He has been awarded Fund Programs for the Scientific Activities of Selected Returned Oversea Researchers by Ministry of Human Resources and Social Security, Youth Innovation Promotion Association of Chinese Academy of Sciences, and NSFC et al. He published around 40 research papers in peer-reviewed journals, eg. Scripta Mater., J. Eur. Ceram. Soc., Mater. Sci. & Eng. A., including 27 as first/corresponding authors. His current research interests are development and service behavior of novel carbide ultra-high temperature ceramic composites and their multi-scale characterizations, as well as 3D printing of ceramic composite components.