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His current research interests are development of severe environment resistant ceramics for aerospace industry and nuclear and fusion applications, high-performance ceramic matrix composites and high-performance porous ceramics. He was awarded the 50<sup>th</sup> Dr. Nagai Memorial Incentive Award (the Society of Inorganic Materials, Japan) in 2009, the 63<sup>th</sup> Ceramic Society of Japan Awards for Advancements in Ceramic Science and Technology in 2009, the International Exchange Incentive Award (the Ceramic Society of Japan) in 2012, and Journal of the Ceramic Society of Japan, the Editor-in-Chief Award of Distinguished Reviewer in 2015. He has published around 130 papers.