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His current research interests include: (1) High/ultra-high pressure sintering technologies of advanced ceramics by plastic deformation as the dominant densification mechanism. (2) Fast/ultra-fast sintering of advanced ceramics based on spark plasma sintering (SPS), flash sintering (FS), self-propagating high temperature with quick pressing method (SHS-QP) and fast firing (FF). (3) Structure/function integration ceramics and composites materials such as ultra-high-temperature ceramics, and (4) High-entropy alloys (HEAs) and ceramics-HEA composites fabricated by powder metallurgy method. He has published 25 papers in peer-reviewed journals, granted 6 patents and given more than 10 presentations at international conferences. He is the reviewer of more than 10 international journals.