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Prof. Bai serves as the editor member of Journal of Advanced Ceramics, International Journal of Minerals, Metallurgy and Materials, Science China: Technological Science, and is in Advisory Panel of Journal of Physics D: Applied Physics.

Prof. Bai has devoted himself to the research on functional ceramics for more than 20 years, and focused on metamaterials, soft-magnetic ferrites and ferroelectric ceramics. He has published more than 140 SCI-indexed papers, which were cited ~2600 times by others (H-index=28). He has given plenary talk, keynote talk and invited talks more than 30 times in international academic conferences.