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Jingyang Wang focused research works in the area of fundamental understanding and technological developments of ceramics and composites for extreme environment applications. He has authored over 220 journal papers (WoS H-index factor 43), hold 18 registered patents, and has delivered more than 70 plenary/keynote/invited lectures in international conferences. He received many prestigious recognitions and awards, including Fellow of The American Ceramic Society (ACerS, 2019), Academician of Word Academy of Ceramics (WAC, 2017), ACerS Global Ambassador Award (2017), Acta Materialia Silver Medal Award (2016), ASM-IIM Visiting Lectureship Award (2016), Late Shri Sardar Pratap Singh Memorial Award (2015), JACerS Loyalty Recognition Award (2014), Global Star Award of ACerS (2012), and National Leading Talent for Science and Technology Innovation (Ten Thousand Talent Program of China, 2018), Outstanding Talent Recognition of Municipal Government (China, 2018), Distinguished Professor of CAS (China, 2016), National Leading Talent of Young and Middle-aged Scientists (China, 2015), Top 100/1000 Talents Program of Provincial Government (China, 2015/2011), National/Ministry Science and Technology Progress Award (China, 2011/2010) and Provincial Natural Sciences Award (China, 2005).

He serves/served as a Director of ACerS (2018-2021), Chair of Engineering Ceramics Division of ACerS (2017-2018), Chair of John Jeppson Award Committee of ACerS (2017-2018), Committee Members of Edward Orton Jr. Memorial Lecture Award and Geijsbeek PACRIM International Award of ACerS, President of WAC Forum Committee, Member of International Advisory Board of the European Ceramic Society, and some committee members of ACerS, ASM International, Chinese Ceramic Society, Chinese Materials Research Society, and Chinese Physical Society. He is currently the Deputy Editor-in-Chief of *J. Inorganic Mater.*, Executive Editor of *JMST*, and Editors of *JMEP*, *Sci. Rep.*, and *CMT*.