



Selected Papers from the China Rare Earth Society 2020 Annual Conference and Jiangxi (Ganzhou) Rare Earth Resources Green Development and Efficient Utilization Conference (Session 9—Thermal Protection Materials)

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Deadline for manuscript submissions:

closed (31 January 2021)

Message from the Guest Editors

The meeting awarded rare earth science and technology awards, invited well-known experts to make conference reports, conducted academic branch meeting report exchange and wall newspaper exchange, held the “High-Level Forum on Rare Earth Resources Green Development and Efficient Utilization” session, and organized meetings for the promotion of rare earth science and technology achievements. At the same time, the “2020 Rare Earth Science and Technology Innovation and Application” exhibition was held, including the “Advanced Experimental Technology Service Exhibition” and the “Rare Earth Development and Application Technology Innovation Exhibition”.

The topics of Session 9—Thermal Protection Materials were as follows:

- Thermal Barrier Coatings;
- Environmental Barrier Coatings;
- Infrared Radiation Materials;
- Coating Materials;
- Coating Failure Analysis;
- Coating Preparation Technology.





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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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