Molten Salts Chemistry and Technology
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DESCRIPTION

Written to record and report on recent research progresses in the field of molten salts, Molten Salts Chemistry and Technology focuses on molten salts and ionic liquids for sustainable supply and application of materials. Including coverage of molten salt reactors, electrodeposition, aluminium electrolysis, electrochemistry, and electrowinning, the text provides researchers and postgraduate students with applications include energy conversion (solar cells and fuel cells), heat storage, green solvents, metallurgy, nuclear industry, pharmaceutics and biotechnology.

ABOUT THE AUTHOR

Marcelle Gaune-Escard is Research Director at Ecole Polytechnique, CNRS, Marseille, France. Most of her scientific activities focus on the multi-technique physicochemical, structural characterization and modeling of lanthanide halides melts. She has contributed over 250 journal papers, and over 300 conference presentations, and been involved in Chairing and organising numerous International Molten Salt Conferences. She is well-known for editing and publishing her own newsletter, Molten Salts & Ionic Liquids (since 1976, distribution 600, 24 countries, quarterly; Web edition since 1996).

In 2004 Marcelle was awarded the Max Bredig Award in Molten Salt Chemistry, granted by the Electrochemical Society (USA) for the first time to a French female scientist.
Geir Martin Haarberg is a Professor at the Materials Science and Engineering department at Norwegian University of Science and Technology, Trondheim, Norway since 2000. He has authored around 150 publications, including articles published in international journals, and conference proceedings (71).

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