Record Nr. UNISA996212921303316 Advances in fusion and processing of glass III [[electronic resource]]: **Titolo** proceedings of the 7th International Conference on Advances in Fusion and Processing of Glass, July 27-31, 2003 in Rochester, New York // edited by James R. Varner, Thomas P. Seward III, Helmut A. Schaeffer Pubbl/distr/stampa Westerville, Ohio, : American Ceramic Society, c2004 **ISBN** 1-280-67453-9 9786613651464 1-118-40594-3 1-118-40596-X Descrizione fisica 1 online resource (498 p.) Collana Ceramic transactions, , 1042-1122;; v. 141 Altri autori (Persone) VarnerJames R SewardThomas P SchaefferHelmut A Disciplina 666.1042 666.12 666/.12 Soggetti Glass melting Glass fusing Glass - Bonding Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Advances in Fusion and Processing of Glass III; In Memoriam; Contents; Nota di contenuto Preface: Acknowledgements: Advances in the Glass Melting Process: Analysis of Advanced and Fast Fining Processes for Glass Melts: The Glass Melting Process-Treated as a Cyclic Process of an Imperfect Heat Exchanger; Electromagnetic Induction Heating in Molten Glass at 60 Hz with No Susceptors; Full Oxy Conversion of a Float Furnace Equipped with Separated Jets ALGLASS FC Burners: From OD Model to 3D Characterization; A Method for Making Arsenic Oxide in Cullet More Active as a Fining Agent Redox and Foaming Behavior of E-Glass MeltsComparison of Measured

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Sommario/riassunto

Glass continues to be a material of great scientific and technological interest; however, the economic pressures on the glass industry, the emphasis on global markets, and the worldwide attention to energy and environmental conservation continue to increase. Forty-seven papers offer new solutions to the challenges of glass manufacturing, particularly as they pertain to melting and forming.