| Record Nr.<br>Titolo    | UNINA9910459901503321<br>13th International Ceramics Congress : proceedings of the 13th<br>International Ceramics Congress, part of CIMTEC 2014-13th<br>International Ceramics Congress and 6th Forum on New Materials, June<br>8-13, 2014, Montecatini Terme, Italy. Part B / / edited by Pietro<br>Vincenzini, World Academy of Ceramics and National Research Council,<br>Italy ; co-edited by Ralf Riedel, Technical University Darmstadt,<br>Germany, Alexander S. Rogachev, ISMAN, RAS, Russia, Jolanta Janczak-<br>Rusch, EMPA, Switzerland |
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| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Description based upon print version of record.  |
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| Nota di contenuto       |  |

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|                    | in Alumina Ceramics; Reactive Sintering of TaB2 Using Spark Plasma<br>Sintering Method; Lithography-Based Ceramic Manufacturing: A Novel<br>Technique for Additive Manufacturing of High-Performance Ceramics;<br>3D Printing of Calcia-Based Ceramic Core Composites; Strong-Gravity<br>Experiments on Perovskite-Type Oxides<br>Laser Synthesis Features of Composite Ceramics Y3Al5O12-Y2Ti2O7-<br>Al2O3-Al2TiO5Chapter 2: SHS Ceramics; Combustion of Gasless<br>System under One-Sided Loading; New Results on Structural<br>Macrokinetics Obtained on Multilayer Nanofoils; Carbonaceous<br>Refractory Materials on SHS-Technology; Synthesis and Luminescence<br>Properties of a Red Nitride Phosphor (CaAlSiN3:Eu2+) for White Light<br>LED Applications; Coupling SHS and SPS Processes; Chapter 3: Ceramics<br>Joining; A Critical Review on Modeling of Fracture Behavior of Ceramic<br>Joints; On the Role of TiC in the Carbon Steel-Titanium Joining<br>Transmission Electron Microscopy of Interfaces in Diffusion-Bonded<br>Silicon Carbide CeramicsCompact, Ceramic Heat Exchangers and<br>Microchannel Devices: Joining and Integration; Brazing of Metals, Alloys<br>and Ceramics Using Rapidly Quenched Ribbon-Type Filler Metal<br>STEMET; Characterization of Furnace Sintered Mullite and Oxide<br>Ceramic Matrix Composites (O-CMC) by Using Glass Solders;<br>Influencing Factors on the Reactive Wetting of Cu-Sn-Ti- and Ag-Cu-<br>Ti-Alloys on Silicon Carbide - Microstructural Observations, Effects and<br>Multivariate Modelling; Keywords Index; Authors Index |
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| Sommario/riassunto | Collection of selected, peer reviewed papers from the 13 th<br>International Ceramics Congress, part of CIMTEC 2014-13 th<br>International Ceramics Congress and 6 th Forum on New Materials, June<br>8-13, 2014, Montecatini Terme, Italy. The 25 papers are grouped as<br>follows: Chapter 1: Novel Routes for Ceramics Synthesis and<br>Processing, Chapter 2: SHS Ceramics, Chapter 3: Ceramics Joining.  |