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| 1. Record Nr. | UNINA9910818096203321 |
| Titolo | Handbook of food science and technology 2 : food process engineering and packaging // edited by Romain Jeantet [and three others] |
| Pubbl/distr/stampa | Hoboken, New Jersey : , : ISTE : , : Wiley, , 2016 |
| ISBN | 1-119-28524-0 1-119-28523-2 |
| Descrizione fisica | 1 online resource (269 p.) |
| Collana | Food science and technology series THEi Wiley ebooks |
| Disciplina | 664.024 |
| Soggetti | Food industry and trade - Technological innovations Food - Biotechnology Food - Composition Chemical engineering Processed foods Food - Packaging |
| 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. |
| Nota di contenuto | Table of Contents; Title; Copyright; Introduction; PART 1: Basis of Food Engineering; 1 Transport Phenomena - Basis of Unit Operations; 1.1. Transfer processes in conduction; 1.2. Convective transfer processes; PART 2: Food Biological Stabilization; 2 Inhibition of Food Modifying Agents; 2.1. Refrigeration and freezing; 2.2. Concentration by evaporation; 2.3. Dehydration; 2.4. Stabilization by chemical inhibition; 3 Separation of Food Modifying Agents; 3.1. Sedimentation; 3.2. Cross-flow filtration; 4 Inactivation of Food Modifying Agents; 4.1. Heat treatment; 4.2. Food irradiation 4.3. Combined treatmentsPART 3: Food Physicochemical Stabilization; 5 Stability of Complex Foods and Dispersed Systems; 5.1. Complex foods: overview of dispersed systems; 5.2. Production of emulsions; 5.3. Stability of dispersed systems; PART 4: Food Ingredient Preparation; 6 Physicochemical Basis of Fractionation and Related Technologies; 6.1. Particle separation; 6.2. Steric separation; 6.3. Separation by charge; 6.4. Separation by affinity chromatography; 6.5. |

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7 Biotransformation and Physicochemical Processing7.1.

Biotransformation; 7.2. Physicochemical changes; PART 5: Packaging; 8

Packaging: Principles and Technology; 8.1. Packaging: definition and principles; 8.2. Functions of packaging; 8.3. Properties of packaging

material; 8.4. Packaging materials; 8.5. Packaging technologies;

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