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| 1. Record Nr.           | UNINA9910467202503321   |
| Autore                  | Peters Sascha   |
| Titolo                  | Materials in progress : innovations for designers and architects // Sascha Peters, Diana Drewes   |
| Pubbl/distr/stampa      | Basel, Switzerland : , : Birkhauser, , [2019]<br>©2019  |
| ISBN                    | 3-0356-1366-4<br>3-0356-1370-2  |
| Descrizione fisica      | 1 online resource (271 pages) : illustrations   |
| Classificazione         | LH 79560  |
| Disciplina              | 721.04  |
| Soggetti                | Building materials - Technological innovations<br>Electronic books.   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Includes index.   |
| Nota di contenuto       | Front matter -- Contents -- Foreword -- 1. The New Mindfulness And Conscious Consumption -- 2. Sustainability And The Circular Economy -- 3. Bioeconomics And Bio-Based Materials -- 4. New Mobility Concepts And Lightweight Solutions -- 5. Digitalisation And Internet Culture -- 6. Additive Production And 3D Printing -- 7. Intelligent Systems And Bio-Inspired Surfaces -- 8. Renewable Energy And Energy Production -- Appendix  |
| Sommario/riassunto      | Nach dem Erfolg von Material Revolution 1 und 2 legt der Autor ein neues Buch vor, das der rasanten Entwicklung der Materialforschung in handlicher Form noch besser Rechnung trägt. Materials in Progress stellt die aktuellen Werkstoffinnovationen der letzten Jahre im Kontext von acht Megatrends vor und macht ihren Einfluss auf die gesellschaftliche Entwicklung anschaulich. U.a.: duftende Kacheln, heilende Fasern, Textilien aus Brennesseln.<br>New materials and technologies play a significant role in architecture and design. Environmentally compatible materials and production methods are demanded just as much as smoothly functioning recycling management. In addition, trends like digitalization, 3D printing and intelligent systems and materials have a decisive influence on material innovations. The book's eight chapters span a bridge from science and |

industrial research to applications in architecture and design. In a compact format, it offers a well-grounded overview of the latest material innovations, including edible packaging, liquid light and intelligent natural materials. At the same time, the societal dimension of such developments is taken into consideration.

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