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| 1. Record Nr.           | UNINA9910768193503321  |
| Autore                  | Dessai Ashoka G. <1949->   |
| Titolo                  | The lithosphere beneath the Indian shield : a geodynamic perspective /<br>/ Ashoka G. Dessai   |
| Pubbl/distr/stampa      | Cham, Switzerland : , : Springer, , [2021]<br>©2021  |
| ISBN                    | 3-030-52942-8  |
| Edizione                | [1st ed. 2021.]  |
| Descrizione fisica      | 1 online resource (XVIII, 259 p. 71 illus., 38 illus. in color.)   |
| Collana                 | Modern Approaches in Solid Earth Sciences, , 1876-1682 ; ; 20  |
| Disciplina              | 551  |
| Soggetti                | Lithosphere  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Nota di contenuto       | Chapter 1: Continental lithosphere -- Chapter 2: Indian shield --<br>Chapter 3: Petrology -- Chapter 4: Lithosphere structure -- Chapter 5:<br>Geothermal structure -- Chapter 6: Integration of insights -- Selected<br>bibliography. .   |
| Sommario/riassunto      | This book explores the geotectonic evolution of the lithosphere<br>beneath the Indian Shield, which comprises a collage of cratons<br>variously bounded by mobile belts and palaeo-rifts. The lithosphere<br>beneath these is fairly thin compared to other cratons worldwide,<br>petrologically varied and shows considerable variation in thickness with<br>depth both intra-craton and among cratons. Moreover, it has been<br>subjected to the influence of repeated magmatic episodes from<br>Proterozoic to Palaeocene, which have variously impacted different<br>parts of the shield. The thermotectonic influence on constituent cratons<br>is variable depending on the evolutionary history. This book discusses<br>the impact of successive tectonomagmatic events on the evolution of<br>the deep crust and shallow mantle, and their Phanerozoic modification<br>as gleaned through the xenolith window. The book provides a<br>petrotectonic perspective on the deep crust and shallow mantle from<br>direct samples brought up as xenoliths of deep lithologies, and offers a<br>comprehensive overview for students, researchers, academics and<br>professionals, integrating the results of petrological studies of deep<br>lithologies and geophysical investigations to (i) shed light on the<br>physico-chemical and thermal structure of the lithosphere from an |

array of geotectonic settings and (ii) gain insights into the spatio-temporal evolution of the Indian Shield. An in-depth guide critical thinking on the complex issue of mantle differentiation, magmatism, lithosphere modification and crustal growth over time, the book allows readers to gain a better understanding of the processes that affect the lithosphere and shape the crust on which we live.

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| 2. Record Nr.           | UNINA990008926900403321               |
| Titolo                  | British journal of cancer. Supplement |
| Pubbl/distr/stampa      | London, : [s.n.]                      |
| ISSN                    | 0306-9443                             |
| Disciplina              | 616.9                                 |
| Lingua di pubblicazione | Inglese                               |
| Formato                 | Materiale a stampa                    |
| Livello bibliografico   | Periodico                             |