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| 1. Record Nr. | UNINA9910707928603321 |
| Autore | Raup Omer B. <1930-> |
| Titolo | Bromine geochemistry of chloride rocks of the middle Pennsylvanian Paradox Formation of the Hermosa Group, Paradox Basin, Utah and Colorado // by Omer B. Raup and Robert J. Hite |
| Pubbl/distr/stampa | Washington : , : United States Government Publishing Office, , 1996 |
| Descrizione fisica | 1 online resource (iv, 117 pages) : illustrations, map |
| Collana | U.S. Geological Survey bulletin ; ; 2000-M Evolution of sedimentary basins--Paradox Basin ; ; M |
| Disciplina | 557.3 s 552/.5 |
| Soggetti | Evaporites - Utah Evaporites - Colorado Bromine Geology, Stratigraphic - Pennsylvanian Geology - Paradox Basin Evaporites Geology, Stratigraphic Pennsylvanian Geologic Period Paradox Formation Colorado United States Paradox Formation Utah |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references (pages 17-19). |

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| 2. Record Nr. | UNINA9910337594503321 |
| Autore | Amiri Iraj Sadegh |
| Titolo | Introducing CTS (Copper-Tin-Sulphide) as a Solar Cell by Using Solar Cell Capacitance Simulator (SCAPS) // by Iraj Sadegh Amiri, Mahdi Ariannejad |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019 |
| ISBN | 3-030-17395-X |
| Edizione | [1st ed. 2019.] |
| Descrizione fisica | 1 online resource (80 pages) |
| Collana | SpringerBriefs in Electrical and Computer Engineering, , 2191-8112 |
| Disciplina | 621.31244 |
| Soggetti | Energy storage Electronic circuits Electronics Microelectronics Energy Storage Electronic Circuits and Devices Electronics and Microelectronics, Instrumentation |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Chapter1: Development of Solar Cell Photovoltaic: Introduction and principle working -- Chapter2: Solar Energy based Semiconductors: Working functions and mechanisms -- Chapter3: CTS (CU2SNS3) solar cell structures and implemented methodology -- Chapter4: CTS solar cell performance analysis and efficiency characterizations -- Chapter5: A Summary of semiconductor solar cells and future works. |
| Sommario/riassunto | This book discusses the enhancement of efficiency in currently used solar cells. The authors have characterized different structures of the solar cell system to optimize system parameters, particularly the performance of the Copper-Tin-Sulphide solar cell using Solar Cell Capacitance Simulator (SCAPS). This research can help scientist to overcome the current limitations and build up new designs of the system with higher efficiency and greater functionality. The authors have investigated the corresponding samples from various viewpoints, including structural (crystallinity, composition and surface |

morphology), optical (UV–vis–near-IR transmittance/reflectance spectra) and electrical resistivity properties. .
