

1. Record Nr.	UNINA9910716967003321
Titolo	Agricultural cooperatives exemption : hearing before the Subcommittee on Transportation and Aeronautics of the Committee on Interstate and Foreign Commerce, House of Representatives, Ninetieth Congress, second session, on H.R. 6530, a bill to amend Section 203(b) (5) of the Interstate Commerce Act to clarify this exemption with respect to transportation performed by agricultural cooperative associations for non-members, S. 752, an act to amend Sections 203 (b) (5) and 220 of the Interstate Commerce Act, as amended, and for other purposes, July 1, 1968
Pubbl/distr/stampa	Washington, DC : , : United States Government Printing Office, , 1968
Descrizione fisica	1 online resource (iv, 92 pages)
Soggetti	Farm produce - Transportation Agriculture, Cooperative - Law and legislation - United States Agriculture, Cooperative - Law and legislation Legislative hearings. United States
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
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2. Record Nr.	UNINA9910865245903321
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Titolo	Creation and Accumulation of Radiation Defects in Single Crystals of Magnesium Oxide : Research Aims and Methodology // by Anatoly Surzhikov, Elena Lysenko
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
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Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (163 pages)
Altri autori (Persone)	LysenkoElena
Disciplina	620.11
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Nota di contenuto	1. Structure, Properties, Point Defects and Radiation Defect Formation in Magnesium Oxide Crystals -- 2. Objects and Methods of Research Used in the Study -- 3. Formation of Radiation Defects in MgO Crystals under High-Temperature Proton Irradiation -- 4. Stabilization of Frenkel Defects in Crystals of Magnesium Oxide at Impact Displacement of Ions -- 5. Creation of F+-Centers in Proton Tracks at Low Irradiation Temperatures -- 6. Accumulation of F-Type Color Centers in Crystals of Magnesium Oxide at High Excitation Densities Accelerated Electrons of Subthreshold Energy -- 7. Stabilization of Interstitial Oxygen Ions Formed under the Action of a High-Current Electron Beam in the Crystal Lattice of Magnesium Oxide -- 8. Experimental Study of Interstitial Oxygen Ions in Magnesium Oxide Crystals.
Sommario/riassunto	The range of problems that can be solved with the use of powerful radiation installations is determined: generation of nanosecond ultrahigh-frequency (microwave) pulses, collective acceleration of

charged particles, the implementation of a controlled fusion reaction, and the creation of high-power lasers. In this edition, the questions posed for the SCM were solved using the example of single crystals of magnesium oxide. By the beginning of the authors' work, the structure of the color centers induced by radiation in magnesium oxide, the positions of the maxima of the optical absorption and luminescence bands, as well as the values of their half-widths and the temperature range of stability, were sufficiently established. There is practically no information about the location of internode ions in magnesium oxide crystals, and methods for their registration have not been worked out. These data are particularly important since the efficiency of the accumulation of radiation defects depends to a certain extent on the efficiency of fixing displaced of in the crystal lattice. However, all studies confirming this point of view were carried out using low and medium levels of arousal. The effect of high absorbed radiation energy capacities on the formation and accumulation of radiation defects in magnesium oxide crystals has not been practically studied.
