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Autore	Himka John-Paul <1949->
Titolo	Ukrainian nationalists and the Holocaust : OUN and UPA's participation in the destruction of Ukrainian Jewry, 1941-1944 / / John-Paul Himka
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Descrizione fisica	1 online resource (509 pages)
Collana	Ukrainian voices (Stuttgart, Germany) ; ; 12
Disciplina	940.531809477
Soggetti	Holocaust, Jewish (1939-1945) - Ukraine
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Acknowledgments -- Abbreviations -- Introduction -- 1. Historiography -- 2. Sources -- 3. The Organization of Ukrainian Nationalists -- 4. The First Soviets, 1939-41 -- 5. Anti-Jewish Violence in the Summer of 1941 -- 6. The Organization of Ukrainian Nationalists and the Ukrainian Police in German Service -- 7. The Fate of Jews in the Ukrainian Nationalist Insurgency -- 8. Conclusions -- Bibliography -- Place and Name Index.

2.

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Autore	Chen R (Reuven)
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Descrizione fisica	1 online resource (435 p.)
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Soggetti	Thermoluminescence Thermoluminescence dosimetry Optically stimulated luminescence dating
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Thermally and Optically Stimulated Luminescence: A Simulation Approach; Contents; About the Authors; Preface; Acknowledgements; 1 Introduction; 1.1 The Physical Mechanism of TL and OSL Phenomena; 1.2 Historical Development of TL and OSL Dosimetry; 1.3 Historical Development of Luminescence Models; 2 Theoretical Basis of Luminescence Phenomena; 2.1 Energy Bands and Energy Levels in Crystals; 2.2 Trapping Parameters Associated with Impurities in Crystals; 2.3 Capture Rate Constants; 2.4 Thermal Equilibrium; 2.5 Detailed Balance; 2.6 Arrhenius Model 2.7 Rate Equations in the Theory of Luminescence2.8 Radiative Emission and Absorption; 2.9 Mechanisms of Thermal Quenching in Dosimetric Materials; 2.10 A Kinetic Model for the Mott-Seitz

Mechanism in Quartz; 2.11 The Thermal Quenching Model for Alumina by Nikiforov et al.; 3 Basic Experimental Measurements; 3.1 General Approach to TL and OSL Phenomena; 3.2 Excitation Spectra; 3.3 Emission Spectra; 3.4 Bleaching of TL and OSL; 4 Thermoluminescence: The Equations Governing a TL Peak; 4.1 Governing Equations; 4.2 One Trap-One Recombination Center (OTOR) Model; 4.3 General-order Kinetics
4.4 Mixed-order Kinetics4.5 Q and P Functions; 4.6 Localized Transitions; 4.7 Semilocalized Transition (SLT) Models of TL; 5 Basic Methods for Evaluating Trapping Parameters; 5.1 The Initial-rise Method; 5.2 Peak-shape Methods; 5.3 Methods of Various Heating Rates; 5.4 Curve Fitting; 5.5 Developing Equations for Evaluating Glow Parameters; 5.6 The Photoionization Cross Section; 6 Additional Phenomena Associated with TL; 6.1 Phosphorescence Decay; 6.2 Isothermal Decay of TL Peaks; 6.3 Anomalous Fading and Anomalous Trapping Parameters of TL
6.4 Competition Between Excitation and Bleaching of TL6.5 A Model for Mid-term Fading in TL Dating; Continuum of Traps; 6.6 Photo-transferred Thermoluminescence (PTTL); 6.7 TL Response of Al2O3:C to UV Illumination; 6.8 Dependence of the TL Excitation on Absorption Coefficient; 6.9 TL Versus Impurity Concentration; Concentration Quenching; 6.10 Creation and Stabilization of TL Traps During Irradiation; 6.11 Duplicitous TL Peak due to Release of Electrons and Holes; 6.12 Simulations of the Duplicitous TL Peak; 7 Optically Stimulated Luminescence (OSL); 7.1 Basic Concepts of OSL
7.2 Dose Dependence of OSL Basic Considerations; 7.3 Numerical Results of OSL Dose Dependence; 7.4 Simulation of the Dose-rate Dependence of OSL; 7.5 The Role of Retrapping in the Dose Dependence of POSL; 7.6 Linear-modulation OSL (LM-OSL); 7.7 Unified Presentation of TL, Phosphorescence and LM-OSL; 7.8 The New Presentation of LM-OSL Within the OTOR Model; 7.9 TL-like Presentation of CW-OSL in the OTOR Model; 7.10 Dependence of Luminescence on Initial Occupancy; OTOR Model; 7.11 TL Expression Within the Unified Presentation; 7.12 Pseudo LM-OSL and OSL Signals under Various Stimulation Modes
7.13 OSL Decay and Stretched-exponential Behavior

Sommario/riassunto

Thermoluminescence (TL) and optically stimulated luminescence (OSL) are two of the most important techniques used in radiation dosimetry. They have extensive practical applications in the monitoring of personnel radiation exposure, in medical dosimetry, environmental dosimetry, spacecraft, nuclear reactors, food irradiation etc., and in geological /archaeological dating. Thermally and Optically Stimulated Luminescence: A Simulation Approach describes these phenomena, the relevant theoretical models and their prediction, using both approximations and numerical simulation. The authors c