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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	From the Contents: PART I Elementary radiation processes -- PART II Solid state radiation chemistry -- PART III Biochemistry, biophysics, and biology applications -- PART IV Material science -- PART V Radiation metrology -- PART VI Geological dating -- EPR dating -- PART VII Advanced EPR techniques -- PART VIII Theoretical tools.

Applications of EPR in Radiation Research is a multi-author contributed volume presented in eight themes: I. Elementary radiation processes (fundamental reaction mechanisms, low temperature radiolysis, quantum solids); II: Solid state radiation chemistry (crystalline, amorphous and heterogeneous systems); III: Biochemistry, biophysics and biology applications (radicals in biomaterials, spin trapping, free-radical-induced DNA damage); IV: Materials science (polymeric and electronic materials, materials for treatment of nuclear waste); V: Radiation metrology (EPR-dosimetry, clinical applications); VI: Geological applications; VII: Advanced techniques (pulsed and optically detected EPR, spatial distributions of radicals, radical ion pairs); VIII: Theoretical tools (density-functional calculations, spectrum simulations). .
