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Nota di contenuto	Intro -- SUPERCONDUCTINGINTERCALATED GRAPHITE -- CONTENTS -- PREFACE -- GENERAL INTRODUCTION ABOUTCARBON MATERIALS -- GRAPHITE: VARIETY, BONDS, CRYSTALLINEAND ELECTRONIC STRUCTURES,ANISOTROPYAND MATERIAL CONSIDERED AS A HOSTSTRUCTURE -- CHEMICAL ANISOTROPY -- DONOR-TYPE GRAPHITE INTERCALATIONCOMPOUNDS -- BINARY GRAPHITE INTERCALATIONCOMPOUNDS -- SUPERCONDUCTIVITY OF BINARYGRAPHITE INTERCALATION COMPOUNDS -- KC8 COMPOUND -- RbC8 COMPOUND -- HYDROGENATION OF KC8 -- KC8 UNDER PRESSURE -- DENSE ALKALI METAL COMPOUNDS -- RECENT ADVANCES IN CaC6, SrC6 AND YbC6 -- SrC6 -- YbC6 -- YbC6 AND CaC6 UNDER PRESSURE -- COMPARISON BETWEEN BOTH LAMELLAR MgB2 ANDCaC6 SUPERCONDUCTORS -- COMPARISON BETWEEN BOTH CaC6 AND CaSi6COMPOUNDS -- TERNARY GRAPHITE INTERCALATIONCOMPOUNDS -- SUPERCONDUCTIVITY OF TERNARYGRAPHITE INTERCALATION COMPOUNDS -- ALKALI METAL AMALGAMS INTERCALATED COMPOUNDS -- ALKALI METAL - THALLIUM ALLOYS INTERCALATEDCOMPOUNDS -- ORIGIN OF SUPERCONDUCTIVITY -- APPLICATION OF PRESSURE -- ALKALI METALS - BISMUTH TERNARY COMPOUNDS -- RECENT PROGRESS IN Li3Ca2C6 -- SHORT GENERAL IDEA ABOUT THESUPERCONDUCTIVITY OF THE

OTHERINTERCALATED CARBON MATERIALS -- DOPED-DIAMOND --
CARBON NANOTUBES -- FULLERIDES -- CONCLUSION -- REFERENCES
-- INDEX.

Sommario/riassunto

After a general introduction that describes all the carbon materials which are various with dimensionalities varying from 3 to 0, the authors widely develop the case of graphite including its chemical bonds, crystal and electronic structures, anisotropy and ability to become a host structure.
