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Titolo	Handbook of benzoxazine resins [[electronic resource] /] / edited by Hatsuo Ishida and Tarek Agag
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Altri autori (Persone)	IshidaHatsuo AgagTarek
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Introduction -- pt. 2. Physical and chemical properties of benzoxazine resins -- pt. 3. Physical and chemical properties of cross-linked polybenzoxazines -- pt. 4. Main-chain, side-chain, telechelic, and supramolecular benzoxazine architectures -- pt. 5. Renewable resources-based polybenzoxazine materials -- pt. 6. Polybenzoxazine blends and alloys -- pt. 7. Morphological control of polybenzoxazines -- pt. 8. Polybenzoxazine composites, hybrid materials and nanocomposites -- pt. 9. Polybenzoxazine applications and potential applications -- pt. 10. Material properties and spectra.
Sommario/riassunto	This handbook provides a wide overview of the field, fundamental understanding of the synthetic methods and structure/property correlation, as well as studies related to applications in a wide range of subjects. The handbook also provides ¹ H and ¹³ C NMR spectra, FTIR spectra, DSC and TGA thermograms to aid in research activities. Additional tables on key NMR and FTIR frequencies unique to benzoxazine, heat of polymerization, T _g , and char yield will greatly aid in the choice of proper benzoxazine for a specific application. Provides thorough coverage

