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Titolo	Deformation microstructures in rocks / / Soumyajit Mukherjee
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Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (116 p.)
Collana	Springer geochemistry/mineralogy
Disciplina	551.8
Soggetti	Rock deformation Microstructure
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Mineral fish and ductile shear senses -- Trapezoid-shaped minerals and brittle shear senses -- Flanking microstructures and nucleations -- Intrafolial- and other folds in shear zones -- Grain migrations -- Mineral inclusions -- Pull-aparts, boudins and brittle faults.
Sommario/riassunto	Study of microstructures is an indispensable component of understanding structural geology of any terrain. A number of ‘new’ microscopic structures such as ‘flanking microstructures’, trapezoid-shaped mineral grains, reversal of ductile shear sense, micro-duplexes, V-pull aparts, and new minerals nucleating inside host minerals have recently been described in individual manuscripts. However, for the sake of brevity, microstructural papers cannot show all possible variation in their morphology. The proposed book aims to present these structures with attractive colour photographs. Each photomicrograph will have a comprehensive caption. The book also presents grain boundary migration, boudins, symptoms of metamorphic retrogression, and how well known shear sense indicators (S-C fabrics, mineral fish etc.) vary in morphology in serial-sections. The target audience is for graduate and postgraduate geosciences students and researchers of structural geology.