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Titolo	Handbook of Nonlocal Continuum Mechanics for Materials and Structures [[electronic resource] /] / edited by George Z. Voyiadjis
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
Descrizione fisica	1 online resource (1760 p.)
Disciplina	531
Soggetti	Mechanics Mechanics, Applied Materials science Nanotechnology Engineering—Materials Applied mathematics Engineering mathematics Solid Mechanics Characterization and Evaluation of Materials Materials Engineering Mathematical and Computational Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Theoretical Formulation In Both Spatial And Temporal Scales -- Computational Modeling And Applications -- Micro-Mechanical Characterizations And Experimental Validation -- Mathematical Methods In Nonlocal -- Continuum Mechanics -- Nonlocal Fracture Mechanics -- Use Of Nonlocal Continuum Mechanics In Nanotechnology -- Use Of Nonlocal Continuum Mechanics In Advanced Composite Materials.
Sommario/riassunto	This handbook covers all areas of nonlocal continuum mechanics including theoretical aspects,computational procedures, and experimental advances. The multidisciplinary scope of articles that comprise this reference are written by internationally recognized

experts in the field and stand as the most-up-to-date, established knowledge base on using nonlocal continuum mechanics to characterize material behavior for advanced composites and nanomaterials, as well as for engineering scale structures. The handbook is at once a comprehensive reference for academic researchers and engineers in industry concerned with nonlocal continuum mechanics for materials and structures as well as a supplement for graduate courses on a range of topics. .
