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Titolo	Hesitant Fuzzy Methods for Multiple Criteria Decision Analysis [[electronic resource] /] / by Xiaolu Zhang, Zeshui Xu
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Descrizione fisica	1 online resource (XV, 191 p. 6 illus., 3 illus. in color.)
Collana	Studies in Fuzziness and Soft Computing, , 1434-9922 ; ; 345
Disciplina	003.56
Soggetti	Computational intelligence Operations research Management science Decision making Artificial intelligence Computational Intelligence Operations Research, Management Science Operations Research/Decision Theory Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Hesitant Fuzzy Multiple Criteria Decision Analysis Based on TOPSIS -- Hesitant Fuzzy Multiple Criteria Decision Analysis Based on TODIM -- Hesitant Fuzzy Multiple Criteria Decision Analysis Based on QUALIFLEX -- Hesitant Fuzzy Multiple Criteria Decision Analysis Based on LINMAP -- Consensus Model-Based Hesitant Fuzzy Multiple Criteria Group Decision Analysis.
Sommario/riassunto	The book offers a comprehensive introduction to methods for solving multiple criteria decision making and group decision making problems with hesitant fuzzy information. It reports on the authors' latest research, as well as on others' research, providing readers with a complete set of decision making tools, such as hesitant fuzzy TOPSIS, hesitant fuzzy TODIM, hesitant fuzzy LINMAP, hesitant fuzzy QUALIFLEX, and the deviation modeling approach with heterogeneous fuzzy information. The main focus is on decision making problems in which

the criteria values and/or the weights of criteria are not expressed in crisp numbers but are more suitable to be denoted as hesitant fuzzy elements. The largest part of the book is devoted to new methods recently developed by the authors to solve decision making problems in situations where the available information is vague or hesitant. These methods are presented in detail, together with their application to different type of decision-making problems. All in all, the book represents a valuable reference guide for graduate students and researchers in the both fields of fuzzy logic and decision making. .
