

1. Record Nr.	UNINA9910677282803321
Titolo	Managing nitrogen for groundwater quality and farm profitability // editors, R. F. Follett, D. R. Keeney, and R. M. Cruse ; sponsored by American Society of Agronomy, Soil Science Society of America, Crop Science Society of America
Pubbl/distr/stampa	Madison, Wisconsin : , : Soil Science Society of America, , 1991
ISBN	0-89118-877-0
Descrizione fisica	1 online resource (xix, 357 pages)
Disciplina	631.84
Soggetti	Nitrogen fertilizers Nitrogen
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNISALENTO991003231359707536
Autore	Naidu, D. S. (Desineni S.), 1940-
Titolo	Modeling, sensing and control of gas metal arc welding [e-book] / Desineni Subbaram Naidu, Selahattin Ozcelik, Kevin L. Moore
Pubbl/distr/stampa	Amsterdam ; New York : Elsevier, 2003
ISBN	9780080440668 0080440665
Descrizione fisica	xx, 351 p. : ill. ; 25 cm
Altri autori (Persone)	Ozcelik, Selahattin, 1965-author Moore, Kevin L., 1960-
Disciplina	671.5212
Soggetti	Gas metal arc welding Electronic books.
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	GMAW:Modeling. GMAW:Sensing.GMAW:Automatic Control.GMAW:Case Study.Conclusions
Sommario/riassunto	<p>&lt;P&gt;Arc welding is one of the key processes in industrial manufacturing, with welders using two types of processes - gas metal arc welding (GMAW) and gas tungsten arc welding (GTAW). This new book provides a survey-oriented account of the modeling, sensing, and automatic control of the GMAW process. Researchers are presented with the most recent information in the areas of modeling, sensing and automatic control of the GMAW process, collecting a number of original research results on the topic from the authors and colleagues.</p> <p>&lt;P&gt;Providing an overview of a variety of topics, this book looks at the classification of various welding processes; the modeling aspects of GMAW; physics of welding; metal transfer characteristics; weld pool geometry; process voltages and variables; power supplies; sensing (sensors for arc length, weld penetration control, weld pool geometry, using optical and intelligent sensors); control techniques of PI, PID, multivariable control, adaptive control, and intelligent control. Finally, the book illustrates a case study presented by the authors and their students at Idaho State University, in collaboration with researchers at the Idaho National Engineering and Environment Laboratory</p>

