1. Record Nr. UNINA9910697123503321

Autore	Siemion Jason
Titolo	Water quality of the Upper Delaware Scenic and Recreational River and tributary streams, New York and Pennsylvania [[electronic resource] /] / by Jason Siemion and Peter S. Murdoch ; prepared in cooperation with the National Park Service
Pubbl/distr/stampa	Reston, Va. : , : U.S. Dept. of the Interior, U.S. Geologic Survey, , 2010
Descrizione fisica	1 online resource (v, 43 pages) : illustrations, color maps
Collana	Scientific investigations report ; ; 2010-5009
Altri autori (Persone)	MurdochPeter S
Soggetti	Water quality - New York (State) Water quality - Pennsylvania Upper Delaware Scenic and Recreational River (N.Y. and Pa.)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from PDF title screen (USGS, viewed June 29, 2010).
Nota di bibliografia	Includes bibliographical references.

2. Record Nr. UNINA9910484618903321

Autore	Chaki Sudipto
Titolo	Modelling and Optimisation of Laser Assisted Oxygen (LASOX) Cutting: A Soft Computing Based Approach / / by Sudipto Chaki, Sujit Ghosal
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-04903-5
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (ix, 56 pages)
Collana	SpringerBriefs in Computational Intelligence, , 2625-3704
Disciplina	671.5 671.53
Soggetti	Computational intelligence Manufactures Artificial intelligence Computational Intelligence Manufacturing, Machines, Tools, Processes Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Chapter 1. LASOX Cutting: Principles and Evolution -- Chapter 2. Integrated Soft Computing Based Methodologies for Modelling -- Chapter 3. Modelling and Optimisation of LASOX Cutting of Mild Steel: A Case Study.
Sommario/riassunto	This book presents the basics of the Laser Assisted Oxygen (LASOX) cutting process, its development, advantages and shortcomings, together with detailed information on the research work carried out to date regarding the modelling and optimization of the process. It introduces two integrated soft computing-based models consisting of Artificial Neural Networks (ANN-GA and ANN SA) for the modelling and optimization of LASOX cutting. It also includes an in-depth discussion on the basic working algorithms of soft computing tools such as Artificial Neural Networks, Genetic Algorithms, Simulated Annealing etc. The book not only provides an approach to optimizing LASOX by means of soft computing-based integrated models, but also illustrates the practical implementation of the proposed models.