1.	Record Nr.	UNINA9910484312003321
	Titolo	Algorithms as a Basis of Modern Applied Mathematics / / edited by Šárka Hošková-Mayerová, Cristina Flaut, Fabrizio Maturo
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
	ISBN	3-030-61334-8
	Edizione	[1st ed. 2021.]
	Descrizione fisica	1 online resource (XIII, 509 p. 133 illus., 92 illus. in color.)
	Collana	Studies in Fuzziness and Soft Computing, , 1860-0808 ; ; 404
	Disciplina	005.1
	Soggetti	Computational intelligence Computer science Computational Intelligence Theory and Algorithms for Application Domains
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Numerical Computation in Spiky Domain -- A Practical Review on Intrusion Detection Systems by Known Data Mining Methods -- The role of the communication and information in decision-making problems -- Counting the number of fuzzy subgroups of abelian group G= Z_{p^n}x Z_{p^m}.
	Sommario/riassunto	This book offers a self-contained guide to advanced algorithms and their applications in various fields of science. Gathering contributions by authoritative researchers in the field of mathematics, statistics and computer science, it aims at offering a comprehensive and up-to-date view of algorithms, including the theory behind them, as well as practical considerations, current limitations and solutions. It covers applications in energy management, decision making, computer networks, materials science, mechanics and process optimization. It offers an integrated and timely guide to important algorithms, and represents a valuable reference resource for graduate students and researchers in various fields of applied mathematics, statistics and engineering. .