1. Record Nr. UNINA9910831196803321

Titolo	Advances in chemical physics . Volume 19 / / edited by I. Prigogine and Stuart A. Rice
Pubbl/distr/stampa	New York, [New York] : , : Wiley-Interscience, , 1971 ©1971
ISBN	1-282-34742-X 9786612347429 0-470-14367-3 0-470-14404-1
Descrizione fisica	1 online resource (406 p.)
Collana	Advances in chemical physics ; ; 19
Disciplina	541.3 541.305 541/.08
Soggetti	Chemistry, Physical and theoretical
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	CONTENTS; QUANTUM THEORIES OF CHEMICAL KINETICS; A REVIEW OF ION-MOLECULE REACTIONS; ION CYCLOTRON RESONANCE; STABILITY AND DISSIPATIVE STRUCTURES IN OPEN SYSTEMS FAR FROM EQUILIBRIUM; STATISTICAL-MECHANICAL THEORIES IN BIOLOGY; PHOTOCHEMICAL REACTION CENTERS AND PHOTOSYNTHETIC MEMBRANES; AUTHOR INDEX; SUBJECT INDEX
Sommario/riassunto	The Advances in Chemical Physics series provides the chemical physics and physical chemistry fields with a forum for critical, authoritative evaluations of advances in every area of the discipline. Filled with cutting-edge research reported in a cohesive manner not found elsewhere in the literature, each volume of the Advances in Chemical Physics series serves as the perfect supplement to any advanced graduate class devoted to the study of chemical physics.

2. Record Nr. UNINA9910813835203321

Titolo	Manufacturing automation technology and system II / / edited by Wang Guanglin [and five others]
Pubbl/distr/stampa	Pfaffikon, Switzerland : , : TTP, , 2014 ©2014
ISBN	3-03826-569-1
Descrizione fisica	1 online resource (753 p.)
Collana	Key Engineering Materials, , 1662-9795 ; ; Volume 621
Disciplina	670.427
Soggetti	Manufacturing processes - Automation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Special topic volume with invited peer reviewed papers only."
Nota di bibliografia	Includes bibliographical references at the end of each chapters and indexes.
Nota di contenuto	Manufacturing Automation Technology and System II; Guest Editorial; Table of Contents; Chapter I: Machining Technologies and Materials Engineering; Experimental Effect of Cryogenic MQL Cutting 304 Stainless Steel; Static Stiffness Optimization of Large Ram Based on Equivalent Elastic Modulus; Experimental Study on Laser Impact Welding of Dissimilar Metals; A Study of Multiple Laser Shock Micro-Adjustment Using Numerical Simulation; Simulation Study of Material Deformation in Monocrystal Silicon Nano-Machining A Strategy for On-Line Monitoring the Crosslinking Degree of 3D Printing Hydrogel Fiber Based on Dual-Threshold Enhancement Method Clonal Selection Algorithm Based Optimization of Heating Channels for Variotherm Injection Mold; Research on the Formation of Dimensional Chain for Thread Hob of Double-Roller Machine Rolling Thread by Axial Feed; Application and Developing Trends of Mechanical Tiling Technology in the Laser Fusion Device; Research on Vibration Characteristics of Hardened Steel Precision Machining Process Effects of Cutting Speed on the Wear Properties of TiAlN PVD Coated Tool for Cutting P20 Mold Steel Effect of Cutting Speed on Wear Property of TiAlN PVD Coated Tools in High-Speed Milling of AISI P20 Mold Steel; Study on the Strain Hardening Exponent N under the Ultrasonic Action and Establishment of Constitutive Equation; Effect of Injection Parameters on Warpage and Sink Index of High-Gloss

Injection Parts; The Geometry Errors Analysis of Laser Cutting Head; Research on the NC Woodworking Curve Band Saw CAM; Research of Blades of Complex Surface Construction Based on Laser Rapid Prototyping
Development Status and Trends of Mass Finishing Processes Technical Study of Laminated Template Electroforming in Fabrication of Metal Parts; Research on Factors of High Strength Steel TRB Hot Stamping; Research on Ceramics Crack Propagation under the Ultrasonic Vibration Grinding Based on the Nonlocal Theory; Study on the Grind-Hardening of the Loader Clevis Pin; Research on Removal Mechanism and Surface Features of Al2O3 Engineering Ceramics in Ultrasonic Lapping; Model-Based Design and Implementation of an Ultrasonic Elliptical Vibration Cutting Device
On the Size Effects in Micro/Meso Upsetting of Brass H62 at Elevated TemperaturesResearch on the Hot Stamping of Invar Based on Flexible Mould; Acoustic Emission Signal Acquisition and Analysis on Tool Wear; Chapter II: Mechanical Engineering and Engineering Design; Tacho Plate's Technological Procedure Compilation and the Fixture's Digital Design; Analysis of Bearing Mechanics Characteristic of Wind Turbine; Torsional Vibration of Precise Cable Drive System; Research on Production Control Mode of Manufacturing System Based on Neuroendocrine Hormonal Regulation
Research on the Composite Control Scheme for the Stabilized Loop of Inertial Stabilized Platform

Sommario/riassunto

This special issue of Key Engineering Materials journal is to communicate the latest progress and research of new theory, technology, method, equipment in materials processing and manufacturing automation technology field, and to grasp the forefront technological and research trends worldwide, which will drive international communication and cooperation of production, education and research in this field. The major topics covered by the special issue include Experience and Paper of Education in Special Machining Technology, Process Monitoring and Quality Control of Manufacturing Systems, Indus