

1.	Record Nr.	UNIBAS000024934
	Autore	Kruer, William L.
	Titolo	The physics of laser plasma interactions / William L. Kruer
	Pubbl/distr/stampa	Boulder (CO) : Westview Press, c2003
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	Soggetti	Fisica del plasma Plasma (gas ionizzato)
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	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910983364403321
	Autore	Liu Tianyuan
	Titolo	Industrial Intelligence: Methods and Applications / / by Tianyuan Liu, Jinsong Bao, Yu Zheng, Yuqian Lu
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	Descrizione fisica	1 online resource (498 pages)
	Collana	Springer Series in Advanced Manufacturing, , 2196-1735
	Altri autori (Persone)	BaoJinsong ZhengYu LuYuqian
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Nota di contenuto	Chapter 1. Industrial Intelligence Overview -- Chapter 2. Basics of Industrial Intelligence -- Chapter 3. Feature Identification and Optimization of Structural Design -- Chapter 4. Structural Analysis of Design Documents -- Chapter 5. Intelligent Design of Assembly Process -- Chapter 6. Intelligent Detection of Industrial Defect Images -- Chapter 7. Manual Work Behavior Detection and Monitoring -- Chapter 8. Human-Machine Collaboration in Manufacturing Process -- Chapter 9. Intelligent Management and Control of Production Operations -- Chapter 10. Equipment Fault Diagnosis and Preventive Maintenance -- Chapter 11. Equipment fault diagnosis and preventive digital twins and industrial intelligence -- Chapter 12. Equipment Fault Diagnosis and Preventive AI+AR-assisted Manufacturing.
Sommario/riassunto	This book explains the AI algorithms, techniques, and application methods used in manufacturing, and how they contribute to the advancement of industrial intelligence. Industrial artificial intelligence (IAI) is rapidly evolving alongside the development of smart manufacturing, which cannot be achieved without intelligence at its core. IAI enables intelligent and resilient manufacturing systems, making them fault-tolerant, on-demand, and self-organizing. It also provides on-demand manufacturing services to end users by optimally coordinating distributed manufacturing resources, augmented by AI methodologies. This book will be of interest to researchers and professionals in the manufacturing industry.