1. Record Nr. UNINA9910698463703321

Autore	Austin David
Titolo	Pharmaceutical R&D and the evolving market for prescription drugs [[electronic resource]]
Pubbl/distr/stampa	[Washington, D.C.] : , : Congressional Budget Office, , [2009]
Descrizione fisica	1 online resource (8 pages) : illustrations
Collana	Economic and budget issue brief
Altri autori (Persone)	BakerColin
Soggetti	Drugs - Research - United States Pharmacy - Research - United States Pharmaceutical industry - United States Pharmaceutical policy - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Feb. 24, 2010) "October 26, 2009."
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2. Record Nr. UNINA9911019979503321

Autore	El Hami Abdelkhalak
Titolo	Methods and Applications of Artificial Intelligence : Dynamic Response, Learning, Random Forest, Linear Regression, Interoperability, Additive Manufacturing and Mechatronics
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2025 ©2025
ISBN	9781394351800 1394351801 9781394351817 139435181X 9781394351794 1394351798
Edizione	[1st ed.]
Descrizione fisica	1 online resource (253 pages)
Collana	ISTE Invoiced Series
Disciplina	006.3
Soggetti	COMPUTERS / Artificial Intelligence / General TECHNOLOGY & ENGINEERING / Mechanical
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Artificial Intelligence (AI) is currently one of the most talked-about technologies, both among scientists and in public media. Several factors have contributed to its development in recent years. The first is access to vast quantities of data, such as in the industrial field, the advent of Industry 4.0, which promotes automation and data sharing in several technologies. Another factor is the continuous improvement in computing power thanks to the development of ever more powerful processors and the optimization of algorithms. With these two limitations removed, the focus of most AI developments is on the quality of predictions. The integration of AI into the industrial domain represents an exciting new frontier for innovation. Just as AI has transformed many other sectors, its application to mechanical technologies enables significant improvements in design,

manufacturing and quality control processes: from computer-aided design (CAD) to printing parameter optimization, defect detection and real-time monitoring. This type of technology requires computer systems, data with management systems and advanced algorithms which can be used by AIs. In mechanical engineering, AI offers many possibilities in mechanical construction, predictive maintenance, plant monitoring, robotics, additive manufacturing, materials, vibration, etc. Methods and Applications of Artificial Intelligence is dedicated to the methods and applications of AI in mechanical engineering. Each chapter clearly sets out the techniques used and developed and accompanies them with illustrative examples. The book is aimed at students but is also a valuable resource for practicing engineers and research lecturers.