1. Record Nr. UNISA996267048603316

Titolo	JACC : Basic to translational science
Pubbl/distr/stampa	[New York] : , : Elsevier on behalf of the American College of Cardiology Foundation, , [2016]-
Descrizione fisica	1 online resource
Disciplina	610.72
Soggetti	Clinical medicine - Research Medicine, Experimental Translational Research, Biomedical Periodical
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed
Nota di contenuto	Introducing JACC: Basic to Translational Science: Why Now? -- Kinetics and Signal Activation Properties of Circulating Factor(s) From Healthy Volunteers Undergoing Remote Ischemic Pre-Conditioning -- Cardiosphere-Derived Cells Reverse Heart Failure With Preserved Ejection Fraction in Rats by Decreasing Fibrosis and Inflammation -- Extracellular Matrix Hydrogel Promotes Tissue Remodeling, Arteriogenesis, and Perfusion in a Rat Hindlimb Ischemia Model -- Telomerase Inhibition by Everolimus Suppresses Smooth Muscle Cell Proliferation and Neointima Formation Through Epigenetic Gene Silencing -- The Role of the L-Type Ca2+ Channel in Altered Metabolic Activity in a Murine Model of Hypertrophic CardiomyopathyCell Therapy for Heart Failure With Preserved Ejection Fraction -- Better Blood Flow Delivered: Extracellular Matrix-Derived Hydrogels for the Induction of Arteriogenesis in Peripheral Artery Disease? -- Point-of-Care Technologies for Precision Cardiovascular Care and Clinical Research: National Heart, Lung, and Blood Institute Working Group -- Broadview Ventures: Investing in the Future of Cardiovascular Technology.

2. Record Nr. UNINA9910869181103321

Autore	Vallverdu Jordi
Titolo	Causality for Artificial Intelligence : From a Philosophical Perspective / / by Jordi Vallverdú
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819731879 9789819731862
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (110 pages)
Disciplina	006.3
Soggetti	Artificial intelligence Science - Philosophy Machine learning Cognitive neuroscience Computers - History Artificial Intelligence Philosophy of Science Machine Learning Cognitive Neuroscience Statistical Learning History of Computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Ground Zone: Definitions and Concepts about Causality -- Chapter 2. Causality and Artificial Intelligence -- Chapter 3. How Causality Works in non-Human Minds -- Chapter 4. Do Humans Think Causally, and How? Chapter 5. Pitfalls and Triumphs of Causal AI -- Chapter 6. Generative AI and Causality -- Chapter 7. Counterfactual Thinking for Machines -- Chapter 8. Defining and Debating Algorithmic Causality -- Chapter 9. Open Paradoxes: Retrocausality -- Chapter 10. My Kingdom for a Causal Algorithm.
Sommario/riassunto	How can we teach machine learning to identify causal patterns in data? This book explores the very notion of “causality”, identifying from a naturalistic and evolutionary perspective how living systems deal with

causal relationships. At the same time, using this knowledge to identify the best ways to apply such biological models in machine learning scenarios. One of the more fundamental challenges for AI experts is to design machines that can understand the world, identifying the basic rules that govern reality. Statistics are powerful and fundamental for this process, but they are only one of the necessary tools. Counterfactual thinking is the other part of the necessary process that will help machines to become intelligent. This book explains the paths that can lead to algorithmic causality. It is essential reading for those who are not afraid of thinking at the interface of various academic disciplines or fields (AI, machine learning, philosophy, neuroscience, anthropology, psychology, computer sciences), and who are interested in the analysis of causal thinking and the ways in which cognitive systems (natural or artificial) can act in order to understand their environment. Professor Vallverdú is currently working on biomimetic cognitive architectures and multicognitive systems. His research has explored two main areas: epistemology and cognition. Since his early Ph.D. research on epistemic controversies, he has analyzed several aspects of computational epistemology. His latest research has focused on the causal challenges of machine learning techniques, particularly deep learning. One of his most promising advances is statistics meets causal graph reasoning (via Directed Acyclic Graphs), which still has several conceptual paths that need to be explored and identified. Counterfactual reasoning is a fundamental part of these open debates, which are under the analysis of Prof. Vallverdú. His current research is supported as part of the following projects: GEHUCT and ICREA Acadèmia.