1. Record Nr. UNINA9910367755003321

Autore	Lisi Luciana
Titolo	Catalysts Deactivation, Poisoning and Regeneration / Luciana Lisi, Stefano Cimino
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2019 Basel, Switzerland : , : MDPI, , 2019
ISBN	9783039215478 3039215477
Descrizione fisica	1 electronic resource (254 p.)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Catalyst lifetime represents one of the most crucial economic aspects in industrial catalytic processes, due to costly shutdowns, catalyst replacements, and proper disposal of spent materials. Not surprisingly, there is considerable motivation to understand and treat catalyst deactivation, poisoning, and regeneration, which causes this research topic to continue to grow. The complexity of catalyst poisoning obviously increases along with the increasing use of biomass/waste-derived/residual feedstocks and with requirements for cleaner and novel sustainable processes. This book collects 15 research papers providing insights into several scientific and technical aspects of catalyst poisoning and deactivation, proposing more tolerant catalyst formulations, and exploring possible regeneration strategies.

2. Record Nr. UNINA9910956822003321

Autore	Wilson Elizabeth A.
Titolo	Affect and Artificial Intelligence
Pubbl/distr/stampa	Seattle, WA, USA, : University of Washington Press, 2010 University of Washington Press
ISBN	9780295800004 0295800003
Edizione	[1st ed.]
Descrizione fisica	1 online resource (197 p.)
Collana	In vivo : the cultural mediations of biomedical science Affect and artificial intelligence
Classificazione	ST 300
Disciplina	006.3
Soggetti	COMPUTERS History Artificial intelligence - Psychological aspects Information technology Affect (Psychology) Emotions Engineering & Applied Sciences Computer Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Intro -- Contents -- Preface -- Acknowledgments -- Introduction: The Machine Has No Fear -- 1. The Positive Affects of Alan Turing -- 2. Shaming AI: Helplessness, Confusion, and Error -- 3. Artificial Psychotherapy -- 4. Walter Pitts and the Inhibition of Affect -- Notes -- Appendixes -- References -- Index.
Sommario/riassunto	In 1950, Alan Turing, the British mathematician, cryptographer, and computer pioneer, looked to the future: now that the conceptual and technical parameters for electronic brains had been established, what kind of intelligence could be built? Should machine intelligence mimic the abstract thinking of a chess player or should it be more like the developing mind of a child? Should an intelligent agent only think, or should it also learn, feel, and grow? Affect and Artificial Intelligence is the first in-depth analysis of affect and intersubjectivity in the

computational sciences. Elizabeth Wilson makes use of archival and unpublished material from the early years of AI (1945-70) until the present to show that early researchers were more engaged with questions of emotion than many commentators have assumed. She documents how affectivity was managed in the canonical works of Walter Pitts in the 1940s and Turing in the 1950s, in projects from the 1960s that injected artificial agents into psychotherapeutic encounters, in chess-playing machines from the 1940s to the present, and in the Kismet (sociable robotics) project at MIT in the 1990s.