1. Record Nr. UNINA9910583034903321

Titolo	Cognitive approach to natural language processing / / edited by Bernadette Sharp, Florence Sedes, Wiesaw Lubaszewski
Pubbl/distr/stampa	London : , : ISTE Press, , 2017
Descrizione fisica	1 online resource (236 pages) : illustrations (some color)
Disciplina	410.285
Soggetti	Natural language processing (Computer science)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Delayed interpretation, shallow processing and constructions: the basis of the "interpret whenever possible" principle / Philippe Blache -- Can the human association norm evaluate machine-made association lists? / Michal Korzycki, Izabela Gatkowska, Wiesaw Lubaszewski -- How a word of a text selects the related words in a human association network / Wiesaw Lubaszewski, Izabela Gatkowska, Maciej Godny -- The reverse association task / Reinhard Rapp -- Hidden structure and function in the lexicon / Philippe Vincent-Lamarre, Melanie Lord, Alexandre Blondin-Masse, Odile Marcotte, Marcos Lopes, Stevan Harnad -- Transductive learning games for word sense disambiguation / Rocco Tripodi, Marcello Pelillo -- Use your mind and learn to write: the problem of producing coherent text / Michael Zock, Debela Tesfaye Gemechu -- Stylistic features based on sequential rule mining for authorship attribution / Mohamed Amine Boukhaled, Jean-Gabriel Ganascia -- A parallel, cognition-oriented fundamental frequency estimation algorithm / Ulrike Glavitsch -- Benchmarking n-grams, topic models and recurrent neural networks by cloze completions, EEGs and eye movements / Markus J. Hofmann, Chris Biemann, Steffen Remus.
Sommario/riassunto	"As natural language processing spans many different disciplines, it is sometimes difficult to understand the contributions and the challenges that each of them presents. This book explores the special relationship between natural language processing and cognitive science, and the contribution of computer science to these two fields. It is based on the

recent research papers submitted at the international workshops of Natural Language and Cognitive Science (NLPCS) which was launched in 2004 in an effort to bring together natural language researchers, computer scientists, and cognitive and linguistic scientists to collaborate together and advance research in natural language processing. The chapters cover areas related to language understanding, language generation, word association, word sense disambiguation, word predictability, text production and authorship attribution. This book will be relevant to students and researchers interested in the interdisciplinary nature of language processing.

2. Record Nr. UNINA9910557406703321

Autore	Matsakas Leonidas
Titolo	Biochemical and Thermochemical Conversion Processes of Lignicellulosic Biomass Fractionated Streams
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (244 p.)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Moving towards a sustainable and green economy requires the use of renewable resources for the production of fuels, chemicals, and materials. In such a scenario, the use of lignocellulosic biomass and waste streams plays an important role, as it consists of abundant renewable resources. The complex nature of lignocellulosic biomass dictates the use of a pretreatment process prior to any further processing. Traditional methods of biomass pretreatment fail to recover cellulose, hemicellulose, and lignin in clean streams. It has been recognized that the efficient use of all the main fractions of lignocellulosic biomass (cellulose, hemicellulose, and lignin) is an

important step towards a financially sustainable biomass biorefinery. In this context, switching from biomass pretreatment to biomass fractionation can offer a sustainable solution to recover relatively clean streams of cellulose, hemicellulose, and lignin. This Special issue aims at exploring the most advanced solutions in biomass and waste pretreatment and fractionation techniques, together with novel (thermo)chemical and biochemical processes for the conversion of fractionated cellulose, hemicellulose and lignin to bioenergy, bio-based chemicals, and biomaterials, including the application of such products (i.e., use of biochar for filtration and metallurgical processes), as well as recent developments in kinetic, thermodynamic, and numeric modeling of conversion processes. The scope of this Special Issue will also cover progress in advanced measuring methods and techniques used in the characterization of biomass, waste, and products.