1.	Record Nr.	UNINA9910461722303321
	Autore	O'Donnell Timothy J. <1977->
	Titolo	Productivity and reuse in language : a theory of linguistic computation and storage / / Timothy J. O'Donnell
	Pubbl/distr/stampa	Cambridge, Massachusetts ; ; London, England : , : The MIT Press, , 2015 ©2015
	ISBN	0-262-32681-7 0-262-32680-9
	Descrizione fisica	1 online resource (350 p.)
	Disciplina	410.1/51
	Soggetti	Psycholinguistics - Mathematical models Memory Language and languages Cognitive grammar Recognition Psycholinguistics Electronic books.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Contents; Preface; Acknowledgments; I MODEL BACKGROUND AND DEVELOPMENT; 1 Introduction; 2 The Framework; 3 Formalization of the Models and Inference; II EMPIRICAL APPLICATIONS; 4 The English Past Tense: Abstraction and Competition; 5 The English Past Tense: Simulations; 6 English Derivational Morphology: Productivity, Processing, and Ordering; 7 English Derivational Morphology: Simulations; 8 Conclusion; A Past-Tense Inflectional Classes; B Derivational Suffixes; Bibliography; Index
	Sommario/riassunto	"Language allows us to express and comprehend an unbounded number of thoughts. This fundamental and much-celebrated property is made possible by a division of labor between a large inventory of stored items (e.g., affixes, words, idioms) and a computational system that productively combines these stored units on the fly to create a potentially unlimited array of new expressions. A language learner

must discover a language's productive, reusable units and determine which computational processes can give rise to new expressions. But how does the learner differentiate between the reusable, generalizable units (for example, the affix -ness, as in coolness, orderliness, cheapness) and apparent units that do not actually generalize in practice (for example, -th, as in warmth but not coolth)? In this book, Timothy O'Donnell proposes a formal computational model, Fragment Grammars, to answer these questions. This model treats productivity and reuse as the target of inference in a probabilistic framework, asking how an optimal agent can make use of the distribution of forms in the linguistic input to learn the distribution of productive word-formation processes and reusable units in a given language"--MIT CogNet.

2. Record Nr.	UNINA9910349518303321
Autore	Ciardelli Francesco
Titolo	Polymers from Fossil and Renewable Resources : Scientific and Technological Comparison of Plastic Properties / / by Francesco Ciardelli, Monica Bertoldo, Simona Bronco, Elisa Passaglia
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-319-94434-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (216 pages)
Disciplina	668.9
Soggetti	Biomaterials
	Polymers
	Renewable energy resources
	Polymer Sciences
	Renewable and Green Energy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Basic Concepts for Plastic Response -- Material Plasticity -- Measurable Fundamental Entities -- Processing Features -- Molecular Structure Requirements -- Oil Derived Macromolecules -- Renewable

Macromolecules -- Structure/ to Fundamental Properties -- Preparation of Macromolecules for Plastics -- From Oil to Macromolecules -- Polymerization Processes -- Processing to Materials -- The Obtainment of Bioplastics -- Biopolymers from Natural Sources -- Monomers from Nature -- Products Preparation -- Hybrid Materials and Systems -- Chemical Modification of Molecular Structure -- Blends and Composites -- Functional Materials -- Environmental Impact -- Materials from Oil and Nature -- Production Processes -- Consumer Use -- Disposal, Recycling, Biodegradation -- Response of Society and Market -- Availability of starting materials -- Ultimate Properties for Application -- Evaluation and Future.

Sommario/riassunto	The book describes the development and commercialization of materials with viscoelastic properties, placing particular emphasis on the scientific and technological differences between plastics and bioplastics. The authors explain how to handle each of the two types of materials and determine the comparative environmental impact of the material life-cycle. The practical values of the overlapping aspects of the two types of materials from technical properties to eco-compatibility are also discussed.