1.	Record Nr.	UNINA9910792491103321
	Titolo	Asphaltenes [[electronic resource]] : Fundamentals and Applications / / edited by Maite Subirana, Eric Y. Sheu
	Pubbl/distr/stampa	New York, NY : , : Springer US : , : Imprint : Springer, , 1995
	ISBN	1-4757-9293-X
	Edizione	[1st ed. 1995.]
	Descrizione fisica	1 online resource (XII, 246 p.)
	Disciplina	660
	Soggetti	Chemical engineering Inorganic chemistry Organic chemistry Polymers Materials science Industrial Chemistry/Chemical Engineering Inorganic Chemistry Organic Chemistry Polymer Sciences Characterization and Evaluation of Materials
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
	Nota di contenuto	I. Colloidal Properties of Asphaltenes in Organic Solvents -- II. Sulfur and Nitrogen Molecular Structures in Asphaltenes and Related Materials Quantified by XANES Spectroscopy -- III. Solubility and Phase Behavior of Asphaltenes in Hydrocarbon Media -- IV. A Unified View of the Colloidal Nature of Asphaltenes -- V. The Effects of Asphaltenes on the Chemical and Physical Characteristics of Asphalt -- VI. Asphalt Emulsion for Environmental Coating and Encapsulation -- VII. Potential of Ultrasonic Generators for Use in Oil Wells and Heavy Crude Oil/Bitumen Transportation Facilities -- VIII. New Methods of Petroleum Sludge Disposal and Utilization.
	Sommario/riassunto	Asphaltenes have traditionally been viewed as being extremely complex, thus very hard to characterize. In addition, certain fundamental properties of asphaltenes have pre- viously been

inaccessible to study by traditional macroscopic methods, further limiting understanding of asphaltenes. These limitations inhibited development of descriptions regarding the microscopic structure and solution dynamics of asphaltenes. However, a variety of more recent studies have implied that asphaltenes share many chemical properties with the smaller, more tractable components of crude oils. Recent measurements have indicated that asphaltene molecular weights are not as !arge as previously thought, perhaps in the range of 600 to I 000 amu. In addition, new experimental methods applied to asphaltene chemical structures have been quite revealing, yielding a broad understanding. Conse- quently, the ability to relate chemical structure with physical and chemical properties can be developed and extended to the understanding of important commercial properties of asphal-tenes. This book treats significant new developments in the fundamentals and applications of asphaltenes. In the first section ofthe book, new experimental methods are described that characterize asphaltene structures from the molecular to colloidallength scale. The colloidal properties are understandable in terms of asphaltene chemical structures, especially with regard to the heteroatom impact on bonding. However, quantitative measurements of the of asphaltene self-association still need to be determined. In the second section of enthalpy this book, the fundamental understanding of asphaltenes is related riirectly to asphaltene utilization.

2.	Record Nr.	UNINA9910826507103321
	Titolo	Multiple affordances of language corpora for data-driven learning / / edited by Agnieszka Lenko-Szymanska, University of Warsaw, Alex Boulton, ATILF-CNRS / University of Lorraine
	Pubbl/distr/stampa	Amsterdam, Netherlands ; ; Philadelphia, Pennsylvania : , : John Benjamins Publishing Company, , 2015 ©2015
	ISBN	90-272-6871-1
	Descrizione fisica	1 online resource (320 p.)
	Collana	Studies in Corpus Linguistics (SCL), , 1388-0373 ; ; Volume 69
	Disciplina	420/.285
	Soggetti	English language - Study and teaching - Data processing
		English language - Discourse analysis - Data processing
		Computational linguistics
		English language - Study and teaching - Foreign speakers - Research
		Corpora (Linguistics)
	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 indexes.
	Nota di contenuto	Multiple Affordances of Language Corpora for Data-driven Learning; Editorial page; Title page; LCC data; Table of contents; Table of contents; Editors' acknowledgements; Introduction; References; Data-driven learning and language learning theories; 1. Introduction; 2. Language learning theories and learning style; 3. The noticing hypothesis and DDL; 4. Constructivist learning and DDL; 5. Vygotskyan sociocultural theories and DDL; 6. Learning styles and DDL; 7. Conclusion; Acknowledgements; References; Teaching and language corpora; 1. Introduction; 2. Beginnings; 3. What's happened? 3.1 1975-1985: From manual to computer analysis3.2 1986-1990; 3.3 1991-2000; 3.4 2001-2014; 4. Corpus applications in language teaching: The current situation; 5. Who's using language corpora in 2012: Findings from a survey; 5.1 Respondents; 5.2 Who is using corpora in language teaching, and in what contexts?; 5.3 What tools and resources are they using?; 5.4 Favourite resources; 6. What are the benefits?; 7. Conclusion and future directions?; References; Part I.

Corpora for language learning; Learning phraseology from speech corpora; 1. Why spoken phraseology matters
2. Constructing a speech corpus for acquiring spoken phraseology3. Analysing a speech corpus: Some examples; 3.1 Starting from a list; 3.2 Starting from a listening experience; 3.3 One thing leads to another; 4. Implications: The role of the learner; References; Stealing a march on collocation; 1. Introduction and overview; 2. The Sketch Engine; 3. A constrained definition of collocation and its affordances; 4. Collocation Plus (C+); 5. Observing and using Topic Trails in full text; 6. Conclusion; References; Appendix 1: Text examples cited; Appendix 2: Corpora cited
A corpus and grammatical browsing system for remedial EFL learners1. Appropriate level, needs-driven corpora for the EFL classroom; 2. Developing the Grammatical Pattern Profiling System (GPPS); 2.1 Using LWP-GRC as a model for the GPPS; 2.2 GPPS functionality; 2.3 Selection of grammatical categories; 2.4 Creation of search expressions and patterns; 3. Developing the Sentence Corpus of Remedial English (SCoRE); 3.1 Defining target population proficiency levels; 3.2 Sourcing potential corpus data; 3.3 Defining sentence length; 3.4 Defining the number of sentences
3.5 Using the source corpus as a model for SCoRE3.6 Translation; 4. Pedagogical applications: Using SCoRE and the GPPS; 5. Limitations of SCoRE and the GPPS; 6. Conclusion; Acknowledgements; References; Part II. Corpora for skills development; Same task, different corpus; 1. Introduction; 2. Background to the course; 2.1 Course programme; 2.2 Course procedure; 3. Data; 3.1 Participants; 3.2 Corpus and worksheet data; 4. Corpus tools in the 'same task, different corpus' approach; 4.1 The Concordance tool; 4.2 The Word List tool; 4.3 The Collocates tool; 4.4 The Concordance Plot tool
5. Evaluation of the course

Sommario/riassunto	Data-driven learning typically involves the use of dedicated concordancers to explore linguistic corpora, which may require significant training if the technology is not to be an obstacle for teacher and learner alike. One possibility is to begin not with corpus or concordancer, but to find parallels with what 'ordinary' users already do. This paper compares the web to a corpus, regular search engines to concordancers, and the techniques used in web searches to data-driven learning. It also examines previous studies which exploit web searches in ways not incompatible with a DDL approach.