

1. Record Nr.	UNINA9910778339603321
Titolo	Educating for advanced foreign language capacities [[electronic resource] ] : constructs, curriculum, instruction, assessment / / Heidi Byrnes, Heather Weger-Guntharp, and Katherine A. Sprang, editors
Pubbl/distr/stampa	Washington, D.C., : Georgetown University Press, 2005
ISBN	1-58901-313-1 1-4356-2719-9
Descrizione fisica	1 online resource (219 p.)
Collana	Georgetown University Round Table on languages and linguistics series
Altri autori (Persone)	ByrnesHeidi Weger-GuntharpHeather SprangKatherine A
Disciplina	418/.0071/1
Soggetti	Language and languages - Study and teaching (Higher)
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.
Nota di contenuto	pt. 1. Cognitive approahces to advanced language learning -- pt. 2. Descriptive and instructional considerations in advanced learning -- pt. 3. The role of assessment in advanced learning.
Sommario/riassunto	Advanced language learning has only recently begun to capture the interest and attention of applied linguists and professionals in language education in the United States. In this breakthrough volume, experts in the field lay the groundwork for approaching the increasingly important role of advanced language learning in the larger context of multilingual societies, globalization, and security. This volume presents both general and theoretical insights and language-specific considerations in college classrooms spanning a range of languages, from the commonly taught languages of English, French,

2. Record Nr.	UNINA9910557495003321
Autore	Gentili Pier
Titolo	The Fuzziness in Molecular, Supramolecular, and Systems Chemistry
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 online resource (154 p.)
Soggetti	Biology, life sciences Research & information: general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Fuzzy Logic is a good model for the human ability to compute words. It is based on the theory of fuzzy set. A fuzzy set is different from a classical set because it breaks the Law of the Excluded Middle. In fact, an item may belong to a fuzzy set and its complement at the same time and with the same or different degree of membership. The degree of membership of an item in a fuzzy set can be any real number included between 0 and 1. This property enables us to deal with all those statements of which truths are a matter of degree. Fuzzy logic plays a relevant role in the field of Artificial Intelligence because it enables decision-making in complex situations, where there are many intertwined variables involved. Traditionally, fuzzy logic is implemented through software on a computer or, even better, through analog electronic circuits. Recently, the idea of using molecules and chemical reactions to process fuzzy logic has been promoted. In fact, the molecular word is fuzzy in its essence. The overlapping of quantum states, on the one hand, and the conformational heterogeneity of large molecules, on the other, enable context-specific functions to emerge in response to changing environmental conditions. Moreover, analog input-output relationships, involving not only electrical but also other physical and chemical variables can be exploited to build fuzzy logic systems. The development of "fuzzy chemical systems" is tracing a new</p>

path in the field of artificial intelligence. This new path shows that artificially intelligent systems can be implemented not only through software and electronic circuits but also through solutions of properly chosen chemical compounds. The design of chemical artificial intelligent systems and chemical robots promises to have a significant impact on science, medicine, economy, security, and wellbeing. Therefore, it is my great pleasure to announce a Special Issue of Molecules entitled "The Fuzziness in Molecular, Supramolecular, and Systems Chemistry." All researchers who experience the Fuzziness of the molecular world or use Fuzzy logic to understand Chemical Complex Systems will be interested in this book.

---