1.	Record Nr.	UNINA9910783774403321
	Autore	De Bot Kees
	Titolo	Language and aging in multilingual contexts [[electronic resource] /] / Kees de Bot and Sinfree Makoni
	Pubbl/distr/stampa	Clevedon ; ; Buffalo, : Multilingual Matters Ltd., c2005
	ISBN	1-280-50165-0 9786610501656 1-85359-842-9
	Descrizione fisica	1 online resource (168 p.)
	Collana	Bilingual education and bilingualism ; ; 53
	Altri autori (Persone)	MakoniSinfree
	Disciplina	306.44/6
	Soggetti	Multilingualism Aging
	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	Introduction: language, aging and multilingualism -- Language and aging, a dynamic perspective -- Language and communication with the elderly -- Language use and language skills in the healthy and pathological aging -- Resources in language and aging -- Multilingualism, aging and dementia -- Bilingual aging in older African-Americans -- The effect of age and education on narrative complexity in older Chinese in the USA / Sinfree Makoni with Hwei-Bing-Lin & Robert Schrauf -- Language in an epidemiological study: the North Manhattan aging study in New York City -- Old and new perspectives on language and aging.
	Sommario/riassunto	In this book different aspects of language and aging are discussed. While language spoken by and language spoken with elderly people have been treated as different areas of research, it is argued here that from a dynamical system perspective the two are closely interrelated. In addition to overviews of research on language and aging, a number of projects on this topic in multilingual settings are presented.

2.

Record Nr.	UNINA9910807965303321
Autore	Kagan Yan K
Titolo	Earthquakes : models, statistics, testable forecasts / / Yan Y. Kagan
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Ltd, , 2014 ©2014
ISBN	1-118-63789-5 1-118-63791-7 1-118-63788-7
Edizione	[First edition.]
Descrizione fisica	1 online resource (307 p.)
Collana	Statistical Physics of Fracture and Breakdown
Classificazione	SCI032000
Disciplina	551.2201/12
Soggetti	Earthquake prediction Earthquake hazard analysis
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	Cover; Title Page; Copyright; Contents; Preface; Acknowledgments; List of Abbreviations; List of Mathematical Symbols; Part I Models; Chapter 1 Motivation: Earthquake science challenges; Chapter 2 Seismological background; 2.1 Earthquakes; 2.2 Earthquake catalogs; 2.3 Description of modern earthquake catalogs; 2.4 Earthquake temporal occurrence: quasi-periodic, Poisson, or clustered?; 2.5 Earthquake faults: one fault, several faults, or an infinite number of faults?; 2.6 Statistical and physical models of seismicity; 2.7 Laboratory and theoretical studies of fracture Chapter 3 Stochastic processes and earthquake occurrence models3.1 Earthquake clustering and branching processes; 3.2 Several problems and challenges; 3.3 Critical continuum-state branching model of earthquake rupture; 3.3.1 Time-magnitude simulation; 3.3.2 Space-focal mechanism simulation; Part II Statistics; Chapter 4 Statistical distributions of earthquake numbers: Consequence of branching process; 4.1 Theoretical considerations; 4.1.1 Generating function for the negative binomial distribution (NBD); 4.1.2 NBD distribution expressions; 4.1.3 Statistical parameter estimation 6.2 Seismic moment release in earthquakes and aftershocks6.2.1 Temporal distribution of aftershocks; 6.2.2 Southern California

earthquakes and their aftershocks; 6.2.3 Global shallow earthquakes; 6.2.4 Comparison of source-time functions and aftershock moment release; 6.3 Random shear stress and Omori's law; 6.4 Aftershock temporal distribution, theoretical analysis; 6.4.1 Levy distribution; 6.4.2 Inverse Gaussian distribution (IGD); 6.5 Temporal distribution of aftershocks: Observations; 6.5.1 Aftershock sequences; 6.5.2 Temporal distribution for earthquake pairs
6.6 Example: The New Madrid earthquake sequence of 1811-12

Sommario/riassunto	"The proposed book is the first comprehensive and methodologically rigorous analysis of earthquake occurrence. Models based on the theory of the stochastic multidimensional point processes are employed to approximate the earthquake occurrence pattern and evaluate its parameters. The Author shows that most of these parameters have universal values. These results help explain the classical earthquake distributions: Omori's law and the Gutenberg-Richter relation. The Author derives a new negative-binomial distribution for earthquake numbers, instead of the Poisson distribution, and then determines a fractal correlation dimension for spatial distributions of earthquake hypocenters. The book also investigates the disorientation of earthquake focal mechanisms and shows that it follows the rotational Cauchy distribution. These statistical and mathematical advances make it possible to produce quantitative forecasts of earthquake occurrence. In these forecasts earthquake rate in time, space, and focal mechanism orientation is evaluated"-- "Our purpose is to analyze the causes of recent failures in earthquake forecasting, as well as the difficulties in earthquake investigation"--