1.	Record Nr.	UNINA9910456138803321
	Autore	Temperley David
	Titolo	Music and probability / / David Temperley
	Pubbl/distr/stampa	Cambridge, Massachusetts : , : MIT Press, , c2007 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2010]
	ISBN	0-262-29397-8 1-4294-5537-3 1-282-09680-X 9786612096808 0-262-25707-6
	Descrizione fisica	xi, 244 p. : ill., music
	Disciplina	781.2
	Soggetti	Musical perception - Mathematical models Music and probability Electronic books.
	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 (p. [225]-235) and indexes.
	Nota di contenuto	Probabilistic foundations and background -- Melody I : the rhythm model -- Melody II : the pitch model -- Melody III : expectation and error detection -- A polyphonic key-finding model -- Applications of the polyphonic key-finding model -- Bayesian models of other aspects of music -- Style and composition -- Communicative pressure.
	Sommario/riassunto	In Music and Probability, David Temperley explores issues in music perception and cognition from a probabilistic perspective. The application of probabilistic ideas to music has been pursued only sporadically over the past four decades, but the time is ripe, Temperley argues, for a reconsideration of how probabilities shape music perception and even music itself. Recent advances in the application of probability theory to other domains of cognitive modeling, coupled with new evidence and theoretical insights about the working of the musical mind, have laid the groundwork for more fruitful investigations. Temperley proposes computational models for two basic cognitive processes, the perception of key and the perception of meter,

using techniques of Bayesian probabilistic modeling. Drawing on his own research and surveying recent work by others, Temperley explores a range of further issues in music and probability, including transcription, phrase perception, pattern perception, harmony, improvisation, and musical styles.Music and Probability--the first full-length book to explore the application of probabilistic techniques to musical issues--includes a concise survey of probability theory, with simple examples and a discussion of its application in other domains. Temperley relies most heavily on a Bayesian approach, which not only allows him to model the perception of meter and tonality but also sheds light on such perceptual processes as error detection, expectation, and pitch identification. Bayesian techniques also provide insights into such subtle and advanced issues as musical ambiguity, tension, and "grammaticality," and lead to interesting and novel predictions about compositional practice and differences between musical styles.

2.	Record Nr.	UNINA9910139934903321
	Titolo	Creative education
	Pubbl/distr/stampa	Irvine, Calif., : Scientific Research Pub
	ISSN	2151-4771
	Disciplina	370
	Soggetti	Creative teaching
		Creative thinking
		Educational innovations
		Enseignement creatif
		Enseignement - Innovations
		Education
		Periodicals.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Periodico
	Note generali	Refereed/Peer-reviewed