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Altri autori (Persone)	TsukadaHaruo <1961->
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Nota di bibliografia	Includes bibliographical references (p. 207-211) and index.
Nota di contenuto	Preface; Contents; 1. The theory of Bernoulli and allied polynomials; 2. The theory of the gamma and related functions; 3. The theory of the Hurwitz-Lerch zeta-functions; 4. The theory of Bernoulli polynomials via zeta-functions; 5. The theory of the gamma and related functions via zeta-functions; 6. The theory of Bessel functions and the Epstein zeta-functions; 7. Fourier series and Fourier transforms; 8. Around Dirichlet's L-functions; Appendix A Complex functions; Appendix B Summation formulas and convergence theorems; Bibliography; Index
Sommario/riassunto	This is a unique book for studying special functions through zeta-functions. Many important formulas of special functions scattered throughout the literature are located in their proper positions and readers get enlightened access to them in this book. The areas covered include: Bernoulli polynomials, the gamma function (the beta and the digamma function), the zeta-functions (the Hurwitz, the Lerch, and the Epstein zeta-function), Bessel functions, an introduction to Fourier analysis, finite Fourier series, Dirichlet L-functions, the rudiments of complex functions and summation formulas. The F