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Descrizione fisica	1 online resource (xii, 506 pages) : digital, PDF file(s)
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Soggetti	Ticks as carriers of disease Ticks
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Systematics and evolution of ticks with a list of valid genus and species names / by S.C. Barker and A. Murrell -- The impact of tick ecology on pathogen transmission dynamics / by S.e. Randolph -- Tick salivary glands : the physiology of tick water-balance and their role in pathogen trafficking and transmission / by A.s. Bowman, A. Ball, and J.R. Sauer -- Tick saliva : from pharmacology and biochemistry to transcriptome analysis and functional genomics / by J.M. Anderson And J.G. Valenzuela -- Tick toxins : perspectives on paralysis and other forms of toxicoses caused by ticks / by B.J. Mans, R. Gothe, and A.W.H. Neitz -- Tick lectins and fibrinogen-related proteins / by L. Grubhoffer ... [et al.] -- Endocrinology of tick development and reproduction / by H.H. Rees -- Factors that determine sperm precedence in ticks, spiders, and insects : a comparative study / by W.R. Kaufman -- Tick immunobiology / by M. Brossard and S.K. Wikel -- Saliva-assisted transmission of tick-borne pathogens / by P.A. Nuttall and M. Labuda

-- Lyme borreliosis in Europe and North America / by J. Piesman and L. Gern, H.H. Rees --  
Viruses transmitted by ticks / by M. Labuda and P.A. Nuttall --  
Babesiosis of cattle / by R. Bock ... [et al.] -- Theileria : life cycle stages associated with the ixodid tick vector / by R. Bishop ... [et al.] --  
Characterization of the tick-pathogen-host interface of the tick-borne rickettsia anaplasma marginale / by K.M. Kocan, J. de la Fuente, and E. F. Blouin -- Emerging and emergent tick-borne infections / by S.R. Telford III and H.K. Goethert -- Analyzing and predicting the occurrence of ticks and tick-borne diseases using GIS / by M. Daniel, J. Kolar, and P. Zeman -- Acaricides for controlling ticks on cattle and the problem of acaricide-resistance / by J.E. George, J.M. Pound, and R.B. Davey -- Anti-tick vaccines / by P. Willadsen -- Anti-tick biological control agents : assessment and future perspectives / by M. Samish, H. Ginsberg, and I. Glazer -- Pheromones and other semiochemicals of ticks and their use in tick control / by D.E. Sonnenshine.

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Sommario/riassunto

Widespread and increasing resistance to most available acaricides threatens both global livestock industries and public health. This necessitates better understanding of ticks and the diseases they transmit in the development of new control strategies. Ticks: Biology, Disease and Control is written by an international collection of experts and covers in-depth information on aspects of the biology of the ticks themselves, various veterinary and medical tick-borne pathogens, and aspects of traditional and potential new control methods. A valuable resource for graduate students, academic researchers and professionals, the book covers the whole gamut of ticks and tick-borne diseases from microsatellites to satellite imagery and from exploiting tick saliva for therapeutic drugs to developing drugs to control tick populations. It encompasses the variety of interconnected fields impinging on the economically important and biologically fascinating phenomenon of ticks, the diseases they transmit and methods of their control.

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