1. Record Nr. UNINA9910784627203321

Autore	Squires E. James
Titolo	Applied animal endocrinology [[electronic resource] /] / E. James Squires
Pubbl/distr/stampa	Wallingford, Oxon ; ; Cambridge, Mass., : CABI Pub., c2003
ISBN	1-281-90481-3 9786611904814 0-85199-842-9
Descrizione fisica	1 online resource (252 p.)
Disciplina	636.089/64
Soggetti	Veterinary endocrinology Livestock - Reproduction
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	Preface; Dedication; Acknowledgements; Abbreviations; 1 Hormone and Receptor Structure and Function; 2 Endocrine Methodologies; 3 Manipulation of Growth and Carcass Composition; 4 Endocrine Effects on Animal Products; 5 Endocrine Manipulation of Reproduction; 6 Effects on Animal Behaviour, Health and Welfare; Index
Sommario/riassunto	The purpose of this book is to explain the role of hormones in improving or monitoring the production, performance, reproduction, behaviour and health of animals. The focus is primarily on commercially important farm animal species.

2. Record Nr. UNINA9910298459203321

Autore	Reichel Denise
Titolo	Temperature Measurement during Millisecond Annealing : Ripple Pyrometry for Flash Lamp Annealers / / by Denise Reichel
Pubbl/distr/stampa	Wiesbaden : , : Springer Fachmedien Wiesbaden : , : Imprint : Springer, , 2015
ISBN	3-658-11388-X
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (128 p.)
Collana	MatWerk, , 2522-0756
Disciplina	530
Soggetti	Solid state physics Thermodynamics Engineering—Materials Solid State Physics Materials Engineering
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	Introduction and motivation.- Fundamentals of flash lamp annealing of shallow Boron-doped Silicon.- Fundamentals of surface temperature measurements during flash lamp annealing -- Concept of ripple pyrometry during flash lamp annealing -- Ripple pyrometry for flash lamp annealing.- Experiments – ripple pyrometry during flash lamp annealing.- Closing discussion and outlook.
Sommario/riassunto	Denise Reichel studies the delicate subject of temperature measurement during lamp-based annealing of semiconductors, in particular during flash lamp annealing. The approach of background-correction using amplitude-modulated light to obtain the sample reflectivity is reinvented from rapid thermal annealing to apply to millisecond annealing. The author presents a new method independent of the lamp operation to obtain this amplitude modulation and derives a formula to describe the process. Further, she investigates the variables of the formula in depth to validate the method’s suitability for background-corrected temperature measurement. The experimental results finally proof its power for elevated temperatures. Contents Fundamentals of flash lamp annealing of shallow Boron-doped Silicon

Fundamentals of surface temperature measurements during flash lamp annealing Concept of ripple pyrometry during flash lamp annealing Ripple pyrometry for flash lamp annealing – Experiments Target Groups ·Researchers and students from the fields of materials sciences and physics ·Practitioners from microelectronics and photovoltaics industry About the Author Dr. Denise Reichel currently works in technical sales and consulting for temperature measurement needs and as a lecturer for thermodynamics and heat and mass transfer. .