1. Record Nr. UNINA9910346767903321

Autore	Zhang Jianghua
Titolo	Influence of Emitter Surface Roughness and Emission Inhomogeneity on Efficiency and Stability of High Power Fusion Gyrotrons
Pubbl/distr/stampa	KIT Scientific Publishing, 2016
ISBN	1000058566
Descrizione fisica	1 online resource (XV, 197 p. p.)
Collana	Karlsruher Forschungsberichte aus dem Institut für Hochleistungsimpuls- und Mikrowellentechnik
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The increasing demand for powerful, reliable, and efficient gyrotron oscillators for Electron Cyclotron Resonance Heating (ECRH) in fusion plasma experiments requires a close look at the various factors in gyrotrons that determine gyrotron performance. In this frame, the influence of emitter surface roughness, emission inhomogeneity, and secondary electron generation on gyrotron operation is presented, with focus on Low Frequency Oscillations (LFOs) and Electron Beam Halo (EBH) generation.

2.

Record Nr.	UNINA9910647770903321
Autore	Mani Shalini
Titolo	Animal Cell Culture: Principles and Practice / / by Shalini Mani, Manisha Singh, Anil Kumar
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-19485-3
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (332 pages)
Collana	Techniques in Life Science and Biomedicine for the Non-Expert, , 2367-1122
Disciplina	660.6 571.638078
Soggetti	Cytology - Technique Microbiology - Technique Biotechnology Cytology Biology - Technique Experimental immunology Cytological Techniques Microbiology Techniques Cell Biology Immunological Techniques Cultiu cel·lular Cèl·lules mare Manuals de laboratori Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1. Overview to animal cell culture -- 2. Cell culture laboratory -- 3. Good lab practices and bio-safety measures -- 4. Managing sterility in the lab -- 5. Media and buffer preparation for cell culture -- 6. Properties of cultured cells and selection of culture media -- 7. Selection and maintenance of cultured cells -- 8. Inoculation and passaging of adherent cells -- 9. Counting of cells -- 10.

Cryopreservation of cell lines -- 11. Resuscitation of frozen cell line -- 12. Isolation and culturing of cells from different tissues -- 13. Differentiation, transformation and immortalization of cells -- 14. Co-culture techniques -- 15. 3d cell culture techniques -- 16. Stem cell culture techniques -- 17. Identification and removal of biological contamination in the media and cell suspensions -- 18. Analysis of cell growth kinetics in suspension and adherent types cell line -- 19. Applications of animal cell culture based assays -- 20. Ethical issues in animal cell culture -- 21. Common troubleshooting methods in cell culture techniques.

Sommario/riassunto

This introductory guide provides novice researchers and lab students with a thorough step-by-step approach to standard animal cell culture techniques. Coverage includes lab safety and best practices, sterility management, preparation, ethical considerations, and troubleshooting for common pain points. This is an up-to-date, indispensable handbook for early-career researchers and students, as well as established scientists in biotechnology, cell and developmental biology, pharmaceutical toxicology, cytogenetics, and more. .