1. Record Nr. UNINA9910830376403321

Titolo	Applications of flow cytometry in stem cell research and tissue regeneration [[electronic resource] /] / edited by Awtar Krishan, H. Krishnamurthy, Satish Totey
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Blackwell, c2010
ISBN	1-118-14806-1 1-280-87979-3 9786613721105 0-470-63111-2 0-470-63507-X
Descrizione fisica	1 online resource (312 p.)
Altri autori (Persone)	KrishanAwtar KrishnamurthyH ToteySatish
Disciplina	616.07/582 616.07582
Soggetti	Flow cytometry Stem cells
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	(Publisher-supplied data) Chapter 1: Basics of Flow Cytometry Chapter 2: Practical Considerations for Flow Cytometric Sorting of Stem cells Chapter 3: Stem Cell Analysis and Sorting Using Side Population (SP) Chapter 4: Flow Cytometry in the Study of Proliferation and Apoptosis Chapter 5: Flow Cytometric Analysis of Drug Transport and Efflux in Stem Cells Chapter 6: Stem Cell Biology and Application Chapter 7: Identification and Isolation of Very Small Embryonic-Like Stem Cells (VSELs) from Murine and Human Specimens Chapter 8: Electronic Volume of Hematopoietic Stem Cells Chapter 9: Hematopoietic stem Cells ? Issues in Enumeration Chapter 10: Embryonic Stem Cells: Development and Characterization Chapter 11: Human Embryonic Stem cells: Long- term Culture and Cardiovascular Differentiation. Chapter 12: Mesenchymal Stromal Cells and Their Clinical Applications Chapter 13: Circulating Adult Stem Cells of Haematopoietic Origin for

	Vascular and Neural Regeneration Chapter 14: Flow Cytometric Characterization of Neural Progenitors Derived from Human Pluripotent Stem Cells Chapter 15: Limbal Stem Cells and Corneal Regeneration Chapter 16: Flow Cytometric Sorting of Spermatogonial Stem Cells Chapter 17: Breast Cancer Stem Cells Chapter 18: Stem Cell Marker Expression in Cells from Body Cavity Fluids.
Sommario/riassunto	"In most labs, training and resources are not available to teach methods of flow cytometry. Except for the original publications there are no books which talk about these sophisticated methods for stem cell analysis. There is need for a book which will review these procedures, discuss the science behind them, and show real examples to illustrate the usefulness of the methods. Besides using this book in work shops, it will be a valuable addition to any library or institution dealing in stem cell and tissue regeneration research."--Provided by publisher.

2.

Record Nr.	UNINA9910743681203321
Autore	Chen Hao
Titolo	Earth Observation Satellites : Task Planning and Scheduling / / by Hao Chen, Shuang Peng, Chun Du, Jun Li
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819935659 9819935652
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (xii, 189 pages) : illustrations (chiefly color)
Altri autori (Persone)	PengShuang DuChun LiJun
Disciplina	629.46
Soggetti	Astronomy Aerospace engineering Astronautics Measurement Measuring instruments Solid state physics Astronomy, Observations and Techniques Aerospace Technology and Astronautics Measurement Science and Instrumentation Electronic Devices
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Introduction -- 2. Problem description and analysis of EOS task scheduling -- 3. Model and method of ground centralized EOS task scheduling -- 4. EOS Task rescheduling for dynamic factors -- 5. Model and method of ground distributed EOS task scheduling -- 6. Model and method of EOS onboard autonomous task scheduling -- 7. Satellite task scheduling system -- 8. Summary and prospect.
Sommario/riassunto	This book highlights the practical models and algorithms of earth observation satellite (EOS) task scheduling. EOS task scheduling is a typical complex combinatorial optimization problem with NP-Hard computational complexity. It is a key technology in aerospace scheduling and has attracted global attention. Based on the actual needs of the EOS operation control center, the book summarizes and reviews the state of the art in this research and engineering field. In both deterministic scenarios and dynamic scenarios, the book elaborates on the typical models, algorithms, and systems in centralized, distributed, and onboard autonomous task scheduling. The book also makes an outlook on the promising technologies for EOS task planning and scheduling in the future. It is a valuable reference for professionals, researchers, and students in satellite-related technology. This book is a translation of an original Chinese edition. The translation was done with thehelp of artificial intelligence. A subsequent human revision was done primarily in terms of content, so that the book will read stylistically differently from a conventional translation.