

15

Name of Journal: *World Journal of Clinical Oncology*

ESPS Manuscript NO: 29964

Manuscript Type: Review

Three-dimensional bio-printing: A new frontier in oncology research

Nitin Charbe, Paul A McCarron and Murtaza M Tambuwala

Match Overview

1	Crossref 202 words Pati, Falguni, Jesper Gantelius, and Helene Andersson ... Svahn, "3D Bioprinting of Tissue/Organ Models", <i>Angew</i>	2%
2	Internet 191 words crawled on 05-Feb-2015 www.nature.com	2%
3	Internet 145 words crawled on 29-Sep-2016 www.ncbi.nlm.nih.gov	2%
4	Internet 128 words crawled on 01-May-2015 www.organovo.com	2%
5	Crossref 105 words Visk, DeeAnn, "Will Advances in Preclinical In Vitro Models ... s Lower the Costs of Drug Development?", <i>Applied In Vit</i>	1%
6	Crossref 57 words HogenEsch, Harm, and Alexander Yu Nikitin, "Challenge ... s in pre-clinical testing of anti-cancer drugs in cell cult. ...	1%

学术搜索

找到约 2,040 条结果 (用时0.15秒)

文章

我的图书馆

时间不限

2016以来

2015以来

2012以来

自定义范围...

按相关性排序

按日期排序

搜索所有网页

中文网页

简体中文网页

☒ 包括专利☐ 包含引用☒ 创建快讯

小提示: 只搜索中文(简体)结果, 可在 学术搜索设置 指定搜索语言

Three-dimensional cell culture matrices: state of the art

J Lee, MJ Cuddihy, NA Kotov - Tissue Engineering Part B: ..., 2008 - online.liebertpub.com

... TABLE 1. MATERIALS FOR THREE-DIMENSIONAL MATRIX BUILDING Synthetic Polymers ... advantages, there is no one standard or superior fabrication process, and new methods are ... In this section, we review current 3D matrix fabrication techniques from the viewpoint of ...

被引用次数: 554 相关文章 所有 10 个版本 引用 保存

Direct freeform fabrication of seeded hydrogels in arbitrary geometries

DL Cohen, E Malone, HOD Lipson... - Tissue ..., 2006 - online.liebertpub.com

... combining the strengths of injection molding tissue engineering with those of solid freeform fabrication (SFF), three-dimensional (3-D ... 3-D PRINTING OF LIVING IMPLANTS ... Khalil, S., Nam J., and Sun, W. Multi-nozzle deposition for construction of 3D biopolymer tissue scaffolds. ...

被引用次数: 230 相关文章 所有 11 个版本 引用 保存

Biocompatible inkjet printing technique for designed seeding of individual living cells

M Nakamura, A Kobayashi, F Takagi... - Tissue ..., 2005 - online.liebertpub.com

... 2015. 3D Bioprinting of Cartilage for Orthopedic Surgeons: Reading between the Lines. ... 2015.

Three-dimensional bio-printing. Science China Life Sciences 58, 411-419. ... Fluid dynamics of the droplet impact processes in cell printing. Microfluidics and Nanofluidics 18, 569-585. ...

被引用次数: 262 相关文章 所有 8 个版本 引用 保存

Modeling the tumor extracellular matrix: Tissue engineering tools repurposed toward new frontiers in cancer biology

BJ Gill, JL West - Journal of biomechanics, 2014 - Elsevier

... permitting the specific study of causal relationships between matrix factors and tumor phenotypes and potentially facilitating screening of new cancer therapeutic agents ... (C) 3D collagen gels fabricated into duct-like structures using microcontact printing techniques featured ...

Scholar

About 2,130 results (0.09 sec)

Articles

Case law

My library

Any time

Since 2016

Since 2015

Since 2012

Custom range...

Sort by relevance

Sort by date

☒ include patents

☒ include citations

Three-dimensional cell culture matrices: state of the art

J Lee, MJ Cuddihy, NA Kotov - Tissue Engineering Part B: ..., 2008 - online.liebertpub.com

... TABLE 1. MATERIALS FOR **THREE-DIMENSIONAL** MATRIX BUILDING Synthetic Polymers ... advantages, there is no one standard or superior fabrication process, and **new** methods are ... In this section, we review current **3D** matrix fabrication techniques from the viewpoint of ...

Cited by 564 Related articles All 10 versions Web of Science: 398 Cite Save

Direct freeform fabrication of seeded hydrogels in arbitrary geometries

DL Cohen, E Malone, HOD Lipson... - Tissue ..., 2006 - online.liebertpub.com

... combining the strengths of injection molding tissue engineering with those of solid freeform fabrication (SFF), **three-dimensional** (3-D ... **3-D PRINTING** OF LIVING IMPLANTS ... Khalil, S., Nam, J., and Sun, W. Multi-nozzle deposition for construction of **3D** biopolymer tissue scaffolds. ...

Cited by 233 Related articles All 11 versions Web of Science: 153 Cite Save

Biocompatible inkjet printing technique for designed seeding of individual living cells

M Nakamura, A Kobayashi, F Takagi... - Tissue ..., 2005 - online.liebertpub.com

... 2015. **3D Bioprinting** of Cartilage for Orthopedic Surgeons: Reading between the Lines. ... 2015. **Three-dimensional bio-printing**. Science China Life Sciences 58, 411-419. ... Fluid dynamics of the droplet impact processes in cell **printing**. Microfluidics and Nanofluidics 18, 569-585. ...

Cited by 268 Related articles All 8 versions Web of Science: 159 Cite Save

[全部](#)[图片](#)[新闻](#)[视频](#)[购物](#)[更多](#)[设置](#)[工具](#)

找到约 231,000 条结果 (用时 0.78 秒)

您是不是要找: **Three-dimensional bioprinting: A new frontier in oncology research**

Bioprinting: The new frontier in medicine that makes human tissue

www.cnbc.com/.../bioprinting-the-new-frontier-in-medicine-that-makes-hu... ▼ 翻译此页

2015年11月2日 - Since the group's founding in 2013 by Jon Schull, a **research** scientist at ... Now **3-D printing** is poised to usher in a **new frontier** in medicine, where ... in Spain implanted into a **cancer** patient a **3-D-printed** titanium sternum and ...

[PDF] **A short review on techniques for processes and process simulation o...**

<https://arxiv.org/pdf/1511.00320> ▼ 翻译此页

作者: A Bakhshinejad - 2015 - 相关文章

2015年11月1日 - The invention of **three-dimensional printers** has led to ma- ... deals with **printing bio-compatible** material that may be in- fused with live cells. ... Tissue Engineering is a young and fast growing **research** ... tures to maintain regeneration of the **new** tissue out of the cells. ... **Frontiers in oncology**, 3, 1, p. 87.

Organovo Using Bioprinting to Push Cancer Research into New ...

bioprintingworld.com/organovo-using-bioprinting-to-push-cancer-research-... ▼ 翻译此页

2013年11月12日 - The stable, liver specific functions observed in a **3D printed** liver are similar to ... Currently, **new** treatments take close to ten years of **study** in test tubes and Rising Media Launches the **Frontier** Tech Forum to Drive Business ...

Bioprinting World | Medical Applications of 3D Printing

bioprintingworld.com/ ▼ 翻译此页

2016年7月18日 - Learn about **3d printed** prosthetics, human organs, surgical therapy, and how **bioprinting**. **3D Bioprinter Produces Bone, Muscle, and Cartilage** A **new** method of **3D** ... a world-first