



# 引文数据库

### 图书馆 2022年 10月25日







概念	<ul> <li>· 文献</li> <li>· 可获得的文献资源有哪些</li> <li>· 院外如何访问</li> </ul>
Web of Science	<ul> <li>基本检索及高级检索</li> <li>被引参考文献检索</li> <li>地址检索和作者检索</li> </ul>
JCR	<ul> <li>•影响因子</li> <li>•Q分区</li> <li>•影响因子利弊</li> </ul>







文献

#### 记录有知识的载体 国标 文献著录总则 GB3792.1-83 图书、期刊、报纸、会议录、专利等 音频、视频、甲骨、竹简、绢帛等载体

文献的外部特征

题名、著者、刊名、书名等

文献的内部特征

主题词、分类号、特征词等







#### • 文献增长与老化

指数增长, 普赖斯(D. Price)曲线, 以年代为横坐标, 以文献量 为纵坐标, 把各不同年代的文献量在坐标系中逐点描绘出来, 通过平滑 方法所得出的一条曲线。它近似地表征了科学文献随时间增长的规律, 即科学文献量的增长与时间成指数函数关系绘制出文献的指数增长曲线 文献半衰期

文献的"半衰期",是指某学科(专业)现时尚在利用的全部 文献中较新的一半是在多长一段时间内发表的。这与该学科一半文献失 效所经历的时间大体相当。被新的理论、方法、技术所替代或纠偏。 例:数字化根尖手术导板的体外研究、基于人工智能的牙菌斑识别系统的建立

洛特卡定律 著者与其发表论文数量分布规律
 研究生和导师 1篇60%, 2篇的60%\*1/4, 3篇的60%\*1/9







• 布拉德福定律

文献集中和分散定律, 核心期刊。

文献在期刊中的分布是有规律的,少量期刊集中了大量某 学科文献,而其他期刊则很少出现该学科文献。 他将期刊按刊 载学科论文的数量排序,划分出对学科最有贡献的核心区和随后 的若干区。

> 核心期刊 经典文献







#### • 2020 中文核心期刊要目总览 口腔核心刊 5种:

中华口腔医学杂志(学会)

华西口腔医学杂志(川大)

实用口腔医学杂志(四军医)

口腔医学研究(武大)

上海口腔医学杂志(上交大)

• 2021 SCIE中 DENTISTRY, ORAL SURGERY & MEDICINE 92种









图 1 学科引文年代分布情况(2000-2014年)

朱世琴,蒋辛未,基于 CSSCI 的人文社科期刊文献老化风险率研究.情报学报 2017, 36(10): 1031-1037





 $\equiv$ 、Web of Science

基本检索、高级检索
被引用文献检索
地址检索、作者检索





# $\Box$ , Web of Science

Clarivate						简体中文	🏭 产品
Web of Science <sup>™</sup>	检索	标记结果列表	历史	跟踪服务		繁體中文	注册
	a.					English	
						日本語	
				你去好学习中容		한국어	
				探索跨学科内容 来自最值得您信赖的全球引文数据库		Português	
						Español	
						Русский	
选择	释数据库: <b>所</b>	<b>有数据库</b> × 合集:	All ~			عربی	
ŧ	之献 被 题 添加行	引参考文献 + 添加日期范围	× sa 高级检;	lmon NEAR/5 virus		×	
					X 清除 检察	*	







#### 探索跨学科内容 来自最值得您信赖的全球引文数据库

#### 选择数据库: 所有数据库 ^ 合集: All >

	所有数据库	<b>新方数提告</b> (1000 五个)
文献 被	Web of Science 核心合集	所有数据库 (1900-至今) 通过一组通用的检索字段来检索所有订阅的资源,从而
	BIOSIS Previews	获得最为全面的检索结果。
-> BZ	中国科学引文数据库™	
主题	Data Citation Index	Web of Science 核心合集 (1900-至今)
+添加行	Derwent Innovations Index	检索自然科学、社会科学、艺术和人文领域世界一流的 学术期刊、书籍和会议录,并浏览完整的引文网络。
	KCI-Korean Journal Database	•所有出版物的参考文献均完全标引且可检索。
	MEDLINE®	<ul> <li>检索所有作者和作者的所有附属机构。</li> <li>使用引文跟踪,对引用活动进行跟踪。</li> </ul>
	Russian Science Citation Index	•借助引文报告,以图形方式了解引用活动和趋势。
	SciELO Citation Index	• 使用分析检索结果,确定研究趋势和出版物模式。



. Web of Science

### 基本文献检索,建议选择"所有数据库"

**字段标识**: TS=主题 TI=标题 AU=作者 AI=作者标识符 GP=[团体作者] ED=编者

AB=摘要 AK=作者关键词 KP=Keyword Plus<sup>®</sup> SO=[出版物/来源出版物名称] DO=DOI DOP=出版日期

地址 PY=出版年 AD=地址 SU=研究方向 IS=ISSN/ISBN PMID=PubMed ID

### 查SCI, 建议选择 "web of science核心合集"

字段标识: TS=主题 TI=标题 AB=摘要 AU=作者 AI=作者标识符 AK=作者标识符 GP=[团体作者] ED=编者 KP=Keyword Plus<sup>®</sup> SO=[出版物标题] DO=DOI PY=出版年



FD=基金资助详情 FT=基金资助信息 SU=研究方向 WC=Web of Science 类别 IS= ISSN/ISBN UT=入藏号 PMID=PubMed ID DOP=出版日期 PUBL=出版商 ALL=所有字段 FPY=最终出版年



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数据库概况

• 1997年,美国科学情报研究所开发研制

(Institute for Scientific Information, ISI ),汤森路透科技 集团 (Thomson Reuters)的产品♥Clarivate<sup>™</sup> 科睿唯安<sup>™</sup>

- 对被引参考文献、作者、 作者所属机构信息进行加工、索引,揭示 科技文献之间的内在逻辑与联系,反映文献之间引用与被引用的关系。
- 与EI(工程索引)、ISTP(科技会议录索引)被称为世界著名的三大科 技文献检索系统。
- Firefox 20(推荐使用:是目前工作最稳定的浏览器) 下载网址:<u>http://www.firefox.com.cn/</u>
  - Google Chrome 26 (完全支持)

下载网址: <u>https://www.google.com/intl/zh-CN/chrome/browser/</u>







- Science Citation Index Expanded 2001-present (SCI, 科学引 文索引)
- Social Sciences Citation Index 2001-present (SSCI, 社会科 学引文索引)
- Conference Proceedings Citation Index 2003-Present (会议论 文引文索引)
- Arts & Humanities Citation Index 1975-Present(艺术与人文引 文索引)
- 以及另外四个子数据库







例1: 在用光固化机质量控制指南 在用/光/固化机/质量/控制/指南 分析题目、提取检索词 字面组配 OR 概念组配

光固化机 哪种?
质量控制 哪个或几个指标?
指南 有没有主题词?
在用



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基本检索及高级检索

### 编写检索式 (检索词 + 运算符 +检索字段) 截词符

符号	说明	示例	示例
*	零个或多个字符	gene*	gene, genetics, generation
\$	零或一个字符	Colo\$r	Color, colour
?	只代表一个字符	en?oblast	entoblast, endoblast







符号	说明	示例
AND	检索包含所有关键词的数据	(A ) B)
OR	检索数据中至少含有一个所给关键词, 用于检索同义词或者不同的表达方式	<u> В</u>
NOT	排除含有某一特定关键词的数据	<b>~ B</b>
66 ))	精确短语检索(半角)	"light cure unit"
NEAR/x	所连接的 2 个词之间词语数量小于等于 x, 默认15	radiant NEAR/1 exitance
SAME	只在 <mark>地址</mark> 字段中进行检索,要求两个词 在同一地址字段(WEB OF SCIENCE)	Peking univ* SAME stom*







✓ NEAR/x
✓ SAME
✓ NOT
✓ AND
✓ OR
使用括号可以改写算符运算优先级

通过编辑检索史,可进入高级检索式,做多个检索式的逻辑组配



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#### WEB OF SCIENCE 核心合集



CF=会议 AD=地址 OG=[所属机构] OO=组织 SG=下属组织 SA=街道地址 CI=城市 PS=省/州 CU=国家/地区 ZP=邮编(邮政编码) FO=基金资助机构 FG=授权号 FD=基金资助详情 FT=基金资助信息 SU=研究方向 WC=Web of Science 类别 IS= ISSN/ISBN UT=入藏号 PMID=PubMed ID DOP=出版日期 PUBL=出版商 ALL=所有字段 FPY=最终出版年

#### TS=主题, topic, 非 MeSH Terms





### ◆ 检索字段

#### PUBMED 数据库

#### Affiliation [ad]

All Fields [all]

Article Identifier [aid]

Author [au]

Author Identifier [auid]

Book [book]

Comment Correction Type Completion Date [dcom] Conflict of Interest Statement [cois] Corporate Author [cn] Create Date [crdt] EC/RN Number [rn] Editor [ed] Entry Date [edat] Filter [filter] [sb] First Author Name [1au]

Full Author Name [fau]

#### Full Investigator Name [fir]

Grant Number [gr] Investigator [ir]

ISBN [isbn]

Issue [ip]

Journal [ta] Language [la]

Last Author Name [lastau] Location ID [lid] MeSH Date [mhda] MeSH Major Topic [majr] MeSH Subheadings [sh] MeSH Terms [mh] Modification Date [lr] NLM Unique ID [jid]

Other Term [ot]

Owner

Pagination [pg] Personal Name as Subject [ps] Pharmacological Action [pa] Place of Publication [pl] PMCID and MID PMID [pmid]

Publication Date [dp]

Publication Type [pt] Publisher [pubn] Secondary Source ID [si] Subset [sb]

Supplementary Concept [nm]

Text Words [tw]

Title [ti]

Title/Abstract [tiab]

Transliterated Title [tt]

Volume [vi]

### 基本检索及高级检索

Web of Science



- Web of Science

基本检索及高级检索



#### 例1: 在用光固化机质量控制指南

• 光固化机

石英钨卤素灯光固化机,发光二极管(LED)光固化机 光固化灯 powered polymerization activators (ISO标准) light cure unit (通用) Light Curing Unit (浏览文献见到的) Light Curing Units (浏览文献见到的) Visible Light Curing Devices (另一种) light curing machine (浏览文献见到的) Curing Lights, Dental(固化灯,牙科)主题词 (MESH)





### 例1: 在用光固化机质量控制指南

- 辐照度 OR 辐射度 radiant exitance, irradiance
- 温度 temperature
- 指南

clinical protocol, guideline, consensus





# Z. Web of Science



		文献		研究人员
	选择数据	調车: 所有数据库 > 合集: All		
	文献	被引参考文献	我们试一下"基	基本检索"
	主题	~	示例: oil spill* mediterranean "powered polymerization	activators" X
Θ	OR ~	主题~	花例: oil spill* mediterranean "light cur* unit*"	×
Θ	OR ~	主题~	示例: oil spill* mediterranean "light cur* machine"	×
Θ	OR ~	主题~	元例: oil spill* mediterranean "Light Cur* Device*	×
Θ	OR ~	主题 ~	元例: oil spill* mediterranean "Curi*Light*"	×
	十添加行	行 十添加日期范围	高级检索	×清除 检索

第一组检索词:光固化机





# ☐、Web of Science



Q "powered polymer	<b>ization activators" (</b> 主题) or	"light cur* unit*" (主题) or " Light Cur* Device*" (主题) or "light cur* machine" (主题) or "Curing Light*" (主题) 分析检索结果 引文报告	<b>▲创建跟踪服</b>
出版物	您可能也想要		
青炼检索结果		□ 0/4,371 添加到标记结果列表 导出 ~ 排序方式: <b>相关性 ▼ 〈</b>	1 / 88
在结果中检索	٩		/ 88
快速过滤 ]	1 64 635	<ul> <li>Light-curing unit (devices)</li> <li>Hadole, PG and Daokar, SS Jul-sep 2019   INTERNATIONAL JOURNAL OF ORTHODONTIC REHABILITATION 10 (3), pp.121-133</li> <li>Bonding is the most published and researched procedure in orthodontics. Since its inception in 1954 by Buonocore, bonding material and technique have undergone major innovations and upgrading. Self-cured bonding materials were truly replaced with light cure ones, which provide an added advantage of controlled curing time and ease of operation. The light cure bonding material needs a specific li 显示更多</li> </ul>	26 参考文献
		LINK 查看全文 ***     ●     PKUL 查看全文 ***     ●     PKUL      查看全文 ***     ●     PKUL     ●     PKUL     ●     PKUL     ●     PKUL     ●     ●     ●     PKUL     ●     ●     PKUL     ●     PKUL     ●     ●     PKUL     ●     ●     PKUL     ●     ●     ●     ●     PKUL     ●	相关记录 ?
出版年 ] 2022 ] 2021 ] 2020 ] 2019 ] 2018 注部查看 >	<ul> <li>75</li> <li>362</li> <li>320</li> <li>301</li> <li>295</li> </ul>	<ul> <li>Comparison of hardness of three temporary filling materials cured by two light-curing devices. Bodrumlu, E; Kocak, M M; (); Kocak, S 2014 Jan-feb   Minerva stomatologica 63 (1-2), pp.1-6</li> <li>AIM: Polymerization ability of light-curing devices can affect the light-cured material hardness. The purpose of the present study was to evaluate and compare the hardness of three temporary filling materials that had been light-cured by either a light emitting diode (LED) or a halogen light-curing unit. METHODS: The temporary filling materials, First Fill, Voco Clip and Bioplic, were pla 显示更多</li> </ul>	0 参考文献
之献类型 ] 论文 ] Patent ] Other ] Abstract	2,187 2,014 907 135	<ul> <li>Effect of different light-curing devices and aging procedures on composite knoop microhardness.</li> <li>Voltarelli, Fernanda Regina; dos Santos-Daroz, Claudia Batitucci; (); Marchi, Giselle Maria 2009 Oct-dec   Brazilian oral research 23 (4), pp.473-9</li> <li>The aim of this study was to evaluate the effect of light-curing devices (Halogen/HAL, Light Emitting Diodes/LED, Argon Laser/LAS and Plasma Arc/PAC) and aging procedures (Mechanical Cycling/MC, Thermal Cycling/TC, Storage/S, MC+TC and MC+TC+S) on the micro-hardness of bottom/B and top/T surfaces of 2-mm-high composite resin cylinders. The Knoop microhardness test (25 g, 20 s) on both B and T w 显示更多</li> </ul>	9 被引频次 25 参考文献
Abstract     Clinical Trial	135	2-mm-high composite resin cylinders. The Knoop microhardness test (25 g, 20 s) on both B and T w … 显示更多	相关记录





文南	Ϊ	研究人员
选择数据库:所有数据库 > 合	集: All ~	
文献 被引参考文献		
主题	マリン 一 示例: oil spill* mediterranean	×
⊖ OR ~ 主题	∽ 「示例: oil spill" mediterranean	×
+添加行 +添加日期范围	高级检索	×清除检索

#### 第二组检索词:辐射度或辐照度



基本检索及高级检索

Web of Scienc	28 检索 标记线	吉果列表 历史 跟踪服务 登述	录 ~ 注册
检索 <b>〉</b> radiant (主题) O	R irradiance (主题) 的结果		
106,784 条来自	所有数据库的结果:		
Q radiant (主题) or irra	adiance (主题)	<b>分析检索结果</b> 引文报告	▲创建跟踪服务
◎ 复制检索式链接			
出版物	您可能也想要		
精炼检索结果		□ 0/106,784 添加到标记结果列表 导出 > 排序方式: <b>相关性 &gt; 〈</b>	1 / 2,000 >
在结果中检索	٩		
		1 The light-curing unit: An essential piece of dental equipment	6
快速过滤		<ul> <li>Price, RB; Ferracane, JL; (); Sullivan, B</li> <li>Dec 2020   Jul 2020 (在线发表)   INTERNATIONAL DENTAL JOURNAL 70 (6), pp.407-417</li> </ul>	被引频次
🗌 🏆 高被引论文	250	Introduction This article describes the features that should be considered when describing, purchasing and using a light-curing unit (LCU). Methods The	85
□ 🌢 热点论文	4	International System of Units (S.I.) terms of radiant power or radiant flux (mW), spectral radiant power (mW/nm), radiant exitance or tip irradiance (mW/cm(2)), and the irradiance received at the surface (also in mW/cm(2)) are used to describe t	参考文献
<ul> <li>□ ● 综述论文</li> <li>□ ● 开放获取</li> </ul>	1,941 19,353		
	13,353	○ LINK 出版商处的免费全文 ***	相关记录②
出版年	v	2 THE 3-PARAMETER MODEL OF THE SUBMARINE LIGHT-FIELD - RADIANT ENERGY-ABSORPTION AND TRAPPING IN	10
2022		NEPHELOID LAYERS RECALCULATED STAVN, RH	被引频次
2022	1,032	Feb 15 1987   JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS 92 (C2) , pp.1934-1936	4
2020	5,523		参考文献
2019	5,504	LNK 出版商处的全文 ***	相关记录
2018	5,315	Sur Frienderster	THACIDA
全部查看 >			ų
文献类型	~	<ul> <li>3 The Influence of Distance on Radiant Exposure and Degree of Conversion Using Different Light-Emitting-Diode Curing Units</li> <li>White Distance of Distance on Radiant</li> </ul>	9 被引频次
□ 论文	66.067	<u>Al-Zain, AO; Eckert, GJ</u> and <u>Platt, JA</u> May-jun 2019   <u>OPERATIVE DENTISTRY</u> 44 (3) , pp.E133-E144	50
Patent	31,963	Objectives: To investigate the influence of curing distance on the degree of conversion (DC) of a resin-based composite (RBC) when similar radiant exposure	参考文献







#### 第三组检索词:温度



基本检索及高级检索

#### 例1: 在用光固化机质量控制指南

Clarivate						简体	中文 🔪 🛄 产品
Web of Scienc	:e <sup>™</sup> 检索 标	记结果列表 历史	跟踪服务			3	證录 ↓ 注册
检索、检索结果			检索历史	と			
9,669,312条来	自所有数据库的结果	<b>果</b> :					
Q temperature (主题)					分析检索约	計算 引文报告	▲创建跟踪服务
∞ 复制检索式链接							
出版物	您可能也想要						
精炼检索结果		0/9,669,312	加到标记结果列表	●田 ~		相关性~  く	1 / 2,000 >
在结果中检索	٩						
快速过滤		1 Temperatu Menzel, Mana		h zero-heat-flux technology in n	eurosurgical patients		
□ 🍷 高被引论文	16,515			NITORING AND COMPUTING 33 (5) , pp.92	7-929		15
	389						参考文献
	120,557						
🗌 👌 开放获取	1,068,224		版商处的全文 ***				相关记录
🗌 🛢 相关数据	51,073						
			ON OF SURFACE, E	ESOPHAGEAL, AND CLOACAL TE	MPERATURES IN DIFFER	ENT REPTILE	
出版年	~	SPECIES	ry, SM; (); Nevarez, JG				
85.00				<u>LDLIFE MEDICINE</u> 50 (2) , pp.308-314			25 参考文献
2022 2021	1,863			mpare surface, esophageal, and cloacal t	-		多专义队
2021	420,066 631,859			peratures and in alligators at one ambier nimals twice, with exception of the alliga		-	



#### 例1: 在用光固化机质量控制指南

基本检索及高级检索

	<b>沛</b> 文		研	铳人员
译数据库: <b>所有数据</b> 属	₣			
佥索词添加到检索式预	<b>近</b> 党			
题	~	terranean		AND ~ 添加到检索
多选项 ▲				检索帮助
索式预览			布尔运算符:AND 字段标识:	D, OR, NOT Examples
0 AND #0			<ul> <li>TS=主题</li> <li>TI=标题</li> <li>AU=[作者]</li> <li>AI=(作者标识符)</li> <li>GP=[团体作者]</li> </ul>	] ○ SO=[出版物/来源 ○ IS= ISSN/ISBN
┣ 添加日期范围		×清除	○ ED=编者 检索 ~	出版物名称] ○ PMID=PubMed ○ DO=DOI
<sup>①</sup> 会话检索式				
	金索构建新检索式。			
根据您在此会话中的机				
■ 2/3 组配检察		【截图(Alt + A)】		■ 清餘历史
■ 2/3 组配检索		or <b>"light cur* unit*"</b> (主题) or <b>" Lig</b>	ht 4,371 添加	<ul> <li>■ 清除历史</li> <li>□到检索式 ×</li> <li>C→ </li> </ul>
■ 2/3 组配检索	冠式 ~ ed polymerization activators'' (主题) (	or <b>"light cur* unit*"</b> (主题) or <b>" Lig</b>	4,371	



#### 例1: 在用光固化机质量控制指南

基本检索及高级检索

#### **③**会话检索式

根据您在此会话中的检索构建新检索式。

0/7	组配检索式 ~ 100000000000000000000000000000000000						
7	#3 AND #2 AND #1	89	添加到检索式 >	G	1		
6	#4 OR #5	1,035	添加到检索式 >	Θ	1	<b></b>	
5	#3 AND #2	772	添加到检索式 ~	Θ	1	<b></b>	
4	#3 AND #1	352	添加到检索式 >	Θ	1	٠	
3	"powered polymerization activators" (主题) or "light cur* unit*" (主题) or " Light Cur* Device*" (主题) or "light cur* machine" (主题) or "Curing Light*" (主题)	4,371	添加到检索式 >	Θ	1	٠	
□ 2	temperature (主题)	9,714,742	添加到检索式 ~	Θ	1		
□ 1	radiant (主题) or irradiance (主题)	106,790	添加到检索式 >	Ð	1		



#### 例1: 在用光固化机质量控制指南

#### 基本检索及高级检索

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快速过滤		Effects of irradiance, wavelength, and thermal emission of different light curing units on the Knoop and vickers hardness of a composite resin	24 被引频次
🗌 🍷 高被引论文	1	Torno, V; Soares, P; (); Vieira, S Apr 2008 JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS 85B (1), pp.166-171	25
🗌 🖹 综述论文	8	The aim of this study was to evaluate the effects of irradiance, light emission wavelength, and heating of different light curing units on the Knoop and	参考文献
🔲 👌 开放获取	27	Vickers hardness of a hybrid composite resin. The specimens were irradiated during 40 s with ten different light curing units, LEDs, and halogen lights. The spectral emission of each light curing unit was assessed by a spectrometer, the irradia	
		◎ UNK 出版商处的全文 ***	相关记录 ②
出版年	~		
2021	9		
2020	5	<ul> <li>Effect of high-irradiance light curing on exposure times and pulpal temperature of adequately polymerized composite</li> <li>Slack, WE; Yancey, EM; (); Yandewalle, K</li> </ul>	
2019	7	Dec 2020   DENTAL MATERIALS JOURNAL 39 (6) , pp.976-983	33
2018	9	This study investigated the effect of high-irradiance light-curing on exposure time and pulpal temperature of adequately-cured composite. Composite placed in a molar preparation was cured using high-irradiance light-curing units (Flashmax P3, Valo, S.P.E.C. 3 LED, Cybird XD) and tested for hardness	参考文献
2017	9	occlusal-gingivally. The first group had exposure times set according to manufacturer settings (r 显示更多	
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		□ 3 Developing LED Light Curing Unit prototype by Combined Pulse Width Modulation : Ouput Beam Irradiance	1
□ 论文 □ Other	87 39	Sodri, A; Handoyo, T and Indrani, D	被引频次
	8	3rd International Conference on Instrumentation, Communications, Information Technology, and Biomedical Engineering (ICICI-BME) 2013   PROCEEDINGS OF 2013 3RD INTERNATIONAL CONFERENCE ON INSTRUMENTATION, COMMUNICATIONS, INFORMATION TECHNOLOGY, AND	23







例1

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检索式只为教学演示之用,实际应用中要进一步优化改进完善。







例2: 人脂肪间充质干细胞促进骨生成

Human adipose-derived stem cells hASCs

Tissue-engineered bone bone tissue enginnered





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			1 Metallothionein overexpression human adipose derived stromal/stem cells (hASCs) construction method involves	
	快速过滤		capturing, purifying and amplifying hASCs; and carrying out MT gene Construction using adeno-associated virus vector CN103693467-A; CN103693467-B	
		38	发明人: <u>CAO N; HUANG W;</u> []; <u>LUO C</u>	
	<ul> <li>□ 🌢 熱点论文</li> <li>□ 🔓 综述论文</li> </ul>	1 931	专利权人:SHENZHEN YINGUAN BIOLOGICAL TECHNOLOGY Derwent 主入藏号:	
		4,115	2014-K04368	
	出版年	~		
	2022	183	Pre-processing human adipose-derived mesenchymal stem cells by collecting, culturing and subculturing human adipose derived mesenchymal stem cells and irradiating human adipose-derived mesenchymal stem cells with low	
	2021	954	<ul> <li>adipose derived mesenchymal stem cells and irradiating human adipose-derived mesenchymal stem cells with low energy laser</li> </ul>	
	2020	999	CN106801035-A	
	2019	947	发明人 : <u>ZHAO C; YIN K; (); WANG S</u> 专利权人 : INST BASIC MEDICAL SCI CHINESE ACAD MEDI	
	2018	942	Derwent 主入謚号:	
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			□ 1 TISSUE ENGINEERING	8,340	
	快速过滤		LANGER.R and <u>VACANTI, JP</u> May 14 1993   <u>SCIENCE</u> 260 (5110) , pp.920-926	被引频次	
	🗌 🍷 高被引论文	436	The loss or failure of an organ or tissue is one of the most frequent, devastating, and costly problems in human health care. A new field, tissue engineering,	129	
	□ 🌢 热点论文	5	applies the principles of biology and engineering to the development of functional substitutes for damaged tissue. This article discusses the foundations	参考文献	
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		24,338	◎ LINK 出版简处的全文 ***	相关记录 ⑦	
	出版年	~	2 Multilineage cells from human adipose tissue: Implications for cell-based therapies	6,251	
			Zuk, PA; Zhu, M; (); Hedrick, MH	被引频次	
	2023	1	Apr 2001 TISSUE ENGINEERING 7 (2), pp.211-228	92	
	2022 2021	940 5,243	Future cell-based therapies such as tissue engineering will benefit from a source of autologous pluripotent stem cells. For mesodermal tissue engineering, one such source of cells is the bone marrow stroma. The bone marrow compartment contains several cell populations, including mesenchymal stem cells	参考文献	
	2021	6,024	(MSCs) that are capable of differentiating into adipogenic, osteogenic, chondrogenic, and myog 显示更多		
	2019	5,889	2010 □ 100 □	相关记录	
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			3 Porosity of 3D biomaterial scaffolds and osteogenesis	4,293	
	文献类型	Ý	Karageorgiou, V and Kaplan, D     Soc 2005 RICHATERIAL 26 (73), pp 5474 5403	被引频次	
	□ 论文	67,779	Sep 2005 BIOMATERIALS 26 (27), pp.5474-5491	131	39
	Other	31,216	Porosity and pore size of biomaterial scaffolds play a critical role in bone formation in vitro and in vivo. This review explores the state of knowledge regarding the relationship between porosity and pore size of biomaterials used for bone regeneration. The effect of these morphological features on	参考文献	


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基本检索及高级检索

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出版年 2021 2020 2019	92 148 166	2 Study of osteogenic difference cellulose Zang, SS; Zhuo, Q; (); Yang, G Apr 15 2014   CARBOHYDRATE PROVIDENCE		derived stem cells (HASCs) on bacte	erial 14 被引频次 45



○ A https://www.webofscience.com/wos/alld

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基本检索及高级检索

### 例2: 人脂肪间充质干细胞促进骨生成

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3	Immunophenotype of <mark>human adipose-derived cells</mark> : Temporal changes in stromal-associated and <mark>stem</mark> cell-associated markers	902 被引频次
	<u>Mitchell JB; McIntosh, K; (); Gimble JM</u> Feb 2006   <u>STEM CELLS</u> 24 (2) , pp.376-385 Adipose <mark>tissue</mark> represents an abundant and accessible source of multipotent adult <mark>stem cells</mark> and is used by many investigators for tissue engineering	62 参考文献
	applications; however, not all laboratories use <mark>cells</mark> at equivalent stages of isolation and passage. We have compared the immunophenotype of freshly isolated <mark>human adipose tissue-derived</mark> stromal vascular fraction (SVF) <mark>cells</mark> relative to serial-pass 显示更多	
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Cell Biology	1,498
Anatomy Morphology	941

	isolated human adipose tissue-derived stromal vascular fraction (SVF) cells relative to serial-pass 显示更多	
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□ 4 ∂	Adipose-derived stem cells: Isolation, expansion and differentiation Bunnell. BA: Flaat. M; (): Ripoll.C	<b>732</b> 被引频次
U	Jun 2008   METHODS 45 (2), pp.115-120	33
	adipose-derived stem cells (ASCs) biopsy differentiation expansion isolation lipoaspirate mesenchymal stem cells (MSCs)	33 参考文献
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5	Chondrogenic differentiation of adipose-derived adult stem cells in agarose, alginate, and gelatin scaffolds <u>Awad, Ha Wickham, MG: L. Suillak, F.</u> <u>La Jack How Wickham, MG: L. Suillak, F.</u>	633 被引频次
	Jul 2004 <u>BIOMATERIALS</u> 25 (16), pp.3211-3222 The differentiation and growth of adult <u>stem cells</u> within <u>engineered tissue</u> constructs are hypothesized to be influenced by cell-biomaterial int this study, we compared the chondrogenic differentiation of <u>human</u> adipose- <u>derived</u> adult <u>stem</u> (hADAS) <u>cells</u> seeded in alginate and agarose h and porous gelatin scaffolds (Surgifoam), as well as the functional properties of <u>tissue</u> e 显示现意	wdrogels,参考又献

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2018	188			lose (BC) has been proposed as a biomaterial applied in biomedical scope due to its good biocomp	atibility.	参考文献
2017	144		Recent reports	showed that human adipose-derived stem cells (HASCs) have become a new choice to be used as	seeding cells	
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Other	783	3	<u> </u>	rived stem cells	Jushig	する。
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Abstract	59			lored the feasibility of constructing a <mark>tissue engineered</mark> muscle layer in the oesophagus using oesop ix (OAM) scaffolds and <mark>human</mark> aortic smooth muscle <mark>cells</mark> (hASMCs) or <mark>human adipose-derived stem</mark>		
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	快速过滤	The effect of carbon nanotubes on osteogenic functions of adipose-derived mesenchymal stem cells in vitro and bone formation in vivo compared with that of nano-hydroxyapatite and the possible mechanism	19 被引频次	
		a Du.ZP; Feng,XX; (); Li,XM	66	
		<ul> <li>Feb 2021   BIOACTIVE MATERIALS 6 (2), pp.333-345</li> <li>It has been well recognized that the development and use of artificial materials with high osteogenic ability is one of the most promising means to replace</li> </ul>	参考文献	
	□	2 bone grafting that has exhibited various negative effects. The biomimetic features and unique physiochemical properties of nanomaterials play importan roles in stimulating cellular functions and guiding tissue regeneration. But efficacy deg … 显示更多		
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	2021	1 2 Stem cells: their source, potency and use in regenerative therapies with focus on adipose-derived stem cells - a review	149	
	2018	1 🝷 Bacakova, L; Zarubova, J; (); Molitor, M	被引频次	
	2016	1         Jul-aug 2018   BIOTECHNOLOGY ADVANCES 36 (4), pp.1111-1126           1         Stem cells can be defined as units of biological organization that are responsible for the development and the regeneration of organ and tissue systems.	202	
	2015	1 Seem tens can be derine as since of motograd organization that are responsible for the development and the regeneration of organ and discus systems. They are able to renew their populations and to differentiate into multiple cell lineages. Therefore, these cells have great potential in advanced tissue engineering and cell therapies. When seeded on synthetic or nature-derived scaffolds in vi 	参考文献	
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		<ul> <li>I Osteogenesis of Adipose-Derived Stem Cells</li> <li>65</li> </ul>	
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	🔲 🍷 高被引论文	2 Uncert tractment applies for skeletal repair including improbilization ciril fixation allocated materials and being grafts have similar at limitations 1118	
		89 Bone tissue engineering offers a promising method for the repair of bone deficieny caused by fractures, bone loss and tumors. The use of adipose derived アランス (アーク・マンス)	
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		10 Microsoftumal stom cells (MSCc) are a major component of unique forms of figure engineering. MSCs have cells renewal and multidifferential estantial	
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		simply harvested and differentiated into several cell lineages, such as chondrocytes, adipocytes, o 显示更多	
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	文献类型	Y Mechanoresponsive musculoskeletal tissue differentiation of adipose-derived stem cells	
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	□ 论文 1	BB d Apr 22 2016 BIOMEDICAL ENGINEERING ONLINE 15 166	
	Other	Musculoskeletal tissues are constantly under mechanical strains within their microenvironment. Yet, little is understood about the effect of in vivo 参考文献 mechanical milieu strains on cell development and function. Thus, this review article outlines the in vivo mechanical environment of bone, muscle,	
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	Use of uralenol in e.g. preparing culture medium to promote osteogenic differentiation of human adipose-derived mesenchymal stem cells in vitro and culture human adipose tissue-derived stem cells in vitro to promote their differentiation CN112592891-A 发明人: <u>GUOS</u> 专利权人: NANJING GAISIFU PHARM TECHNOLOGY CO LTD Derwent 主入識号: 2021-360263	
2	Study of osteogenic differentiation of human adipose-derived stem cells (HASCs) on bacterial cellulose Zang, SS; Zhuo, Q; (); Yang, G Apr 15 2014   CARBOHYDRATE POLYMERS 104, pp.158-165 Bacterial cellulose (BC) has been proposed as a biomaterial applied in biomedical scope due to its good biocompatibility. Recent reports showed that human adipose-derived stem cells (HASCs) have become a new choice to be used as seeding cells in tissue engineering. The objective of this study is to explore the potential of using BC and HASCs as scaffold and seeding cells in bone tissue engineer 显示更多	14 被引颜次 45 参考文献 相关记录



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🗌 👌 开放获取	33	Rocha, PM; Santo, VE; (); Mano, JE Sep 2011   JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS 26 (5), pp.493-507 Tissue engineering (TE) is an emerging field for the regeneration of damaged tissues. The combination of hydrogels with stem cells and growth factors (GFS) has become a promising approach to promote cartilage regeneration. In this study, cartageenan-based hydrogels were used to encapsulate both cells	50 参考文献
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2018		enhance <mark>bone</mark> regeneration: Nude mice calvarial defect in vivo study	被引频次
2017		Carvalho, PP; Leonor, IB; (); Gomes, ME Sep 2014 JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A 102 (9) , pp.3102-3111	57
全部查看 >		The repair of large bony defects remains challenging in the clinical setting. Human adipose-derived stromal/stem cells (hASCs) have been reported to differentiate along different cell lineages, including the osteogenic. The objective of the present study was to assess the bone regeneration potential of	参考文献
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	ldeal tissue eng Excel Ibiological microenvironment and a shape and stability providing framework. In this study we tried to com 해友符分隔文件 racellular matrix (ECM) with those of 3D printed polycaprolactone (PCL) scaffolds. In Part A, man adipose derived stem cells 显示更多		
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Regenerative Therapy 18 (2021) 161-167



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Weiyang Zuo<sup>a</sup>, Lingjia Yu<sup>a</sup>, Haiyan Zhang<sup>b</sup>, Qi Fei<sup>a,\*</sup>

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#### ARTICLE INFO

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Keywords:

### ABSTRACT

*Purpose:* To investigate the feasibility and the optimum condition of human adipose-derived stem cells cultured on the mineralized collagen material; and to further explore the mechanism of osteogenic differentiation of the human Adipose-derived stem cells stimulated by the mineralized collagen material. *Methods:* Primary human adipose-derived stem cells (HADSCs) were isolated from human adipose tissue using centrifugal stratification, which had been passed repeatedly to later generations and purified. Human adipose-derived stem cells were cultured on the bone graft material and the optimum concentration was explored by Alamar blue colorimetric method. The rest experiment was conducted ac-



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⊖ 7	Modulation of human multipotent and pluripotent stem cells using surface nanotopographies and surface-immobilised bioactive signals: A review <u>Wang, PY</u> ; <u>Thissen, H and Kingshott, P</u> Nov 2016   <u>ACTA BIOMATERIALIA 45</u> , pp.31-59	6	12	12	11	7	8	48	





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PERIODONTOLOGY 2000	0906-6713	1600-0757	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	6,873	7.589	Q1	2.11	7.24 %
JOURNAL OF PERIODONTOLOGY	0022-3492	1943-3670	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	20,398	6.993	Q1	2.31	5.44 %
International Journal of Oral Science	1674-2818	2049-3169	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	2,890	6.344	Q1	1.85	100.00 %
JOURNAL OF DENTAL RESEARCH	0022-0345	1544-0591	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	26,198	6.116	Q1	2.39	6.58 %
CLINICAL ORAL IMPLANTS RESEARCH	0905-7161	1600-0501	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	15,673	5.977	Q1	1.58	20.87 %
ORAL ONCOLOGY	1368-8375	1879-0593	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	13,860	5.337	Q1	1.43	8.97 %
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	JOURNAL OF PERIODONTOLOGY	0022-3492	1943-3670	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	20,398	6.993	Q1	2.31	5.44 %
	International Journal of Oral Science	1674-2818	2049-3169	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	2,890	6.344	Q1	1.85	100.00 %
	JOURNAL OF DENTAL RESEARCH	0022-0345	1544-0 <mark>5</mark> 91	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	26,198	6.116	Q1	2.39	6.58 %
	CLINICAL ORAL IMPLANTS RESEARCH	0905-7161	160 <mark>0-05</mark> 01	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	15,673	5.977	Q1	1.58	20.87 %
	ORAL ONCOLOGY	1368-8375	1879-0593	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	13,860	5.337	Q1	1.43	8.97 %
	DENTAL MATERIALS	0109-5641	1879-0097	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	17,990	5.304	Q1	1.61	2.53 %
	Journal of Evidence-Based Dental Practice	1532-3382	1532- <mark>3</mark> 390	DENTISTRY, ORAL SURGERY & MEDICINE - SCIE	899	5.267	Q1	0.90	4.41 %



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	MATERIALS SCIENCE, MULTIDISCIPLINARY	Materials Science; Multidisciplinary	SCIE	336	151,197	6,125,275	3.322
	MATHEMATICS	Mathematics	SCIE	330	34,948	687,428	0.964
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	HISTORY	History & Archaeology	AHCI	288	7,564	84,116	n/a
	PHARMACOLOGY & PHARMACY	Biology & Biochemistry; Chemistry; Clinical Medicine	SCIE	276	56,577	2,298,195	3.448
	ENVIRONMENTAL SCIENCES	Biology & Biochemistry; Multidisciplinary	SCIE	274	106,255	3,549,739	3.071
	NEUROSCIENCES	Biology & Biochemistry; Clinical Medicine	SCIE	273	48,234	3,100,992	3.627



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	NATURE REVIEWS MOLECULAR CELL BIOLOGY	1471-0072	14 <mark>71-</mark> 0080	CELL BIOLOGY - SCIE	58,477	94.444	Q1	7.01	1.40 %
	NEW ENGLAND JOURNAL OF MEDICINE	0028-4793	1533-4406	MEDICINE, GENERAL & INTERNAL - SCIE	464,376	91.253	Q1	26.14	0.00 %
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	LANCET	0140-6736	1474-547X	MEDICINE, GENERAL & INTERNAL - SCIE	369,614	79.323	Q1	20.05	22.81 %
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	Nature Reviews Materials	2058-8437	2058-8437	Multiple 🖌	19,887	66.308	Q1	4.06	1.91 %
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Siegel, RL; Miller, KD; Jemal, A; Cancer Statistics, 2017 CA-A CANCER JOURNAL FOR CLINICIANS

Capocaccia, R; DeAngelis, R; Verdecchia, A; et al.

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### Cancer Statistics in China, 2015

作者: Chen, WQ (Chen, Wanqing) <sup>1</sup>; Zheng, RS (Zheng, Rongshou) <sup>1</sup>; Baade, PD (Baade, Peter D.) <sup>2</sup>; Zhang, SW (Zhang, Siwei) <sup>1</sup>; Zeng, HM (Zeng, Hongmei) <sup>1</sup>; Bray, F (Bray, Freddie) <sup>3</sup>; Jemal, A (Jemal, Ahmedin) <sup>4</sup>; Yu, XQ (Yu, Xue Qin) <sup>5</sup>, <sup>6</sup>; He, J (He, Jie) <sup>7</sup> 音看 Web of Science ResearcherID 和 ORCID (由 Clarivate 提供)

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卷: 66 期: 2 页: 115-132 DOI: 10.3322/caac.21338 出版时间: MAR-APR 2016 文献类型: Article

#### 摘要

With increasing incidence and mortality, cancer is the leading cause of death in China and is a major public health problem. Because of China's massive population (1.37 billion), previous national incidence and mortality estimates have been limited to small samples of the population using data from the 1990s or based on a specific year. With high-quality data from an additional number of population-based registries now available through the National Central Cancer Registry of China, the authors analyzed data from 72 local, population-based cancer registries (2009-2011), representing 6.5% of the population, to estimate the number of new cases and cancer deaths for 2015. Data from 22 registries were used for trend analyses (2000-2011). The results indicated that an estimated 4292,000 new cancer cases and 2814,000 cancer deaths would occur in China in 2015, with lung cancer being the most common incident cancer and the leading cause of cancer death. Stomach, esophageal, and liver cancers were also commonly diagnosed and were identified as leading causes of cancer death. Residents of rural areas had significantly higher age-standardized (Segi population) incidence and mortality rates for all cancers combined than urban residents (213.6 per 100,000 vs 191.5 per 100,000 vs 109.5 per 100,000 vs 109.5 per 100,000 for mortality, respectively). For all cancers combined, the incidence rates were stable during 2000 through 2011 for males (+0.2% per year; P=.1), whereas they increased significantly (+2.2% per year; P<.05) among females. In contrast, the mortality rates since 2006 have decreased significantly for both males (+1.4% per year; P<.05) and females (+1.1% per year; P<.05). Many of the estimated cancer cases and deaths can be prevented through reducing the prevalence of risk factors, while increasing the effectiveness of clinical care delivery, particularly for those living in rural areas and in disadvantaged populations. (C) 2016 American Cancer Society.

### 关键词

作者关键词: cancer; China; health disparities; incidence; mortality; survival; trends Keywords Plus: LUNG-CANCER; THYROID-CANCER; BREAST-CANCER; PROSTATE-CANCER; INTERNATIONAL EPIDEMIOLOGY; GEOGRAPHICAL-DISTRIBUTION; HUMAN-PAPILLOMAVIRUS; ATTRIBUTABLE CAUSES; CERVICAL-CANCER; TOBACCO CONTROL

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