文献清单：”骨生物材料”方向Journal of Functional Biomaterials (JFB)

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Journal of Functional Biomaterials (JFB, ISSN 2079-4983) 是一本国际性的跨学科开放性获取期刊。JFB期刊发表有关生物医学材料应用的原创性研究文章和评论文章。期刊的重点关注生物材料的物理化学特性及其在组织中的相互作用，以及生物材料在医学设备和生理环境中的制备、性能和应用等相关研究。我们诚挚邀请您一同探索JFB期刊骨生物材料方向发表的高质量文章。我们相信，这一合集将成为该领域研究者的重要资源。期刊所有文章均为开放获取，您可以免费且无限制地阅读全部出版内容。

1、英文标题: Functional Scaffolds for Bone Tissue Regeneration: A Comprehensive Review of Materials, Methods, and Future Directions

中文标题：用于骨组织再生的功能性支架：材料、方法和未来方向的综合综述

文章链接: http://www.mdpi.com/2079-4983/15/10/280

MDPI引用格式: Todd, E.A.; Mirsky, N.A.; Silva, B.L.G.; Shinde, A.R.; Arakelians, A.R.L.; Nayak, V.V.; Marcantonio, R.A.C.; Gupta, N.; Witek, L.; Coelho, P.G. Functional Scaffolds for Bone Tissue Regeneration: A Comprehensive Review of Materials, Methods, and Future Directions. J. Funct. Biomater. 2024, 15, 280.

2、英文标题: Advanced Ti – Nb – Ta Alloys for Bone Implants with Improved Functionality

中文标题：用于骨植入物的具有改进的功能的先进Ti-Nb-Ta合金

文章链接: http://www.mdpi.com/2079-4983/15/2/46

MDPI引用格式: Sass, J.-O.; Sellin, M.-L.; Kauertz, E.; Johannsen, J.; Weinmann, M.; Stenzel, M.; Frank, M.; Vogel, D.; Bader, R.; Jonitz-Heincke, A. Advanced Ti – Nb – Ta Alloys for Bone Implants with

Improved Functionality.J. Funct. Biomater.2024, 15, 46.

3、英文标题: Nanoparticles in Bone Regeneration: A Narrative Review of Current Advances and Future Directions in Tissue Engineering

中文标题：纳米颗粒在骨再生中的应用：组织工程领域当前进展与未来方向的综述

文章链接: http://www.mdpi.com/2079-4983/15/9/241

MDPI引用格式: Farjaminejad, S.; Farjaminejad, R.; Garcia-Godoy, F. Nanoparticles in Bone Regeneration: A Narrative Review of Current Advances and Future Directions in Tissue Engineering.J. Funct. Biomater.2024, 15, 241.

4、英文标题: Alginate-Sr/Mg Containing Bioactive Glass Scaffolds: The Characterization of a New 3D Composite for Bone Tissue Engineering

中文标题：含藻酸盐-
锶/镁的生物活性玻璃支架：一种用于骨组织工程的新型三维复合材料的表征

文章链接: http://www.mdpi.com/2079-4983/15/7/183

MDPI引用格式: Guagnini, B.; Medagli, B.; Zumbo, B.; Cannillo, V.; Turco, G.; Porrelli, D.; Bellucci, D. Alginate-Sr/Mg Containing Bioactive Glass Scaffolds: The Characterization of a New 3D Composite for Bone Tissue Engineering.J. Funct. Biomater.2024, 15, 183.

5、英文标题: Polycaprolactone in Bone Tissue Engineering: A Comprehensive Review of Innovations in Scaffold Fabrication and Surface Modifications

中文标题：聚己内酯在骨组织工程中的应用：支架制备和表面改性创新技术的综合综述

文章链接: http://www.mdpi.com/2079-4983/15/9/243

MDPI引用格式: Liang, H.-Y.; Lee, W.-K.; Hsu, J.-T.; Shih, J.-Y.; Ma, T.-L.; Vo, T.T.T.; Lee, C.-W.; Cheng, M.-T.; Lee, I.-T. Polycaprolactone in Bone Tissue Engineering: A Comprehensive Review of Innovations in Scaffold Fabrication and Surface Modifications.J. Funct. Biomater.2024, 15, 243.

6、英文标题: Strontium- and Copper-Doped Ceramic Granules in Bone Regeneration-Associated Cellular Processes

中文标题：锶铜掺杂陶瓷颗粒在骨再生相关细胞过程中的作用

文章链接: http://www.mdpi.com/2079-4983/15/11/352

MDPI引用格式: Safarova, Y.; Nessipbekova, A.; Syzdykova, A.; Olzhayev, F.; Umbayev, B.; Kassenova, A.; Fadeeva, I.V.; Askarova, S.; Rau, J.V. Strontium- and Copper-Doped Ceramic Granules in Bone Regeneration-Associated Cellular Processes.J. Funct. Biomater.2024, 15, 352.

7、英文标题: Application of Hydroxyapatite Composites in Bone Tissue Engineering: A Review

中文标题：羟基磷灰石复合材料在骨组织工程中的应用：综述

文章链接: http://www.mdpi.com/2079-4983/16/4/127

MDPI引用格式: Liu, W.; Cheong, N.; He, Z.; Zhang, T. Application of Hydroxyapatite Composites in Bone Tissue Engineering: A Review. J. Funct. Biomater. 2025, 16, 127.

8、英文标题: The Association of Nanostructured Carbonated Hydroxyapatite with Denatured Albumin and Platelet-Rich Fibrin: Impacts on Growth Factors Release and Osteoblast Behavior

中文标题：纳米结构碳酸羟基磷灰石与变性白蛋白和富血小板纤维蛋白的结合：对生长因子释放和成骨细胞行为的影响

文章链接: http://www.mdpi.com/2079-4983/15/1/18

MDPI引用格式: de Lima Barbosa, R.; Rodrigues Santiago Rocha, N.; Stellet Louren ç o, E.; de Souza Lima, V.H.; Mavropoulos, E.; Mello-Machado, R.C.; Spiegel, C.; Mour ã o, C.F.; Alves, G.G. The Association of Nanostructured Carbonated Hydroxyapatite with Denatured Albumin and Platelet-Rich Fibrin: Impacts on Growth Factors Release and Osteoblast Behavior.J. Funct. Biomater.2024, 15, 18.

9、英文标题: Towards Stem Cell Therapy for Critical-Sized Segmental Bone Defects: Current Trends and Challenges on the Path to Clinical Translation

中文标题：干细胞疗法在治疗临界尺寸节段性骨缺损中的应用：当前趋势与临床转化之路上的挑战

文章链接: https://www.mdpi.com/2079-4983/15/6/145

MDPI引用格式: Quek, J.; Vizetto-Duarte, C.; Teoh, S.H.; Choo, Y. Towards Stem Cell Therapy for Critical-Sized Segmental Bone Defects: Current Trends and Challenges on the Path to Clinical Translation.J. Funct. Biomater.2024, 15, 145.

10、英文标题: Generation of Pearl/Calcium Phosphate Composite Particles and Their Integration into Porous Chitosan Scaffolds for Bone Regeneration

中文标题：制备珍珠/磷酸钙复合颗粒并将其整合到多孔壳聚糖支架中用于骨再生

文章链接: http://www.mdpi.com/2079-4983/15/3/55

MDPI引用格式: Li, Z.; Ur Rehman, I.; Shepherd, R.; Douglas, T.E.L. Generation of Pearl/Calcium Phosphate Composite Particles and Their Integration into Porous Chitosan Scaffolds for Bone Regeneration.J. Funct. Biomater.2024, 15, 55.

11、英文标题: A Review of Past Research and Some Future Perspectives Regarding Titanium Alloys in

Biomedical Applications

中文标题：钛合金在生物医学应用中的既往研究回顾及未来展望

文章链接: http://www.mdpi.com/2079-4983/16/4/144

MDPI引用格式: Kacs ó , A.-B.; Peter, I. A Review of Past Research and Some Future Perspectives Regarding Titanium Alloys in Biomedical Applications. J. Funct. Biomater. 2025, 16, 144.

12、英文标题: Cu-MOF-Decorated 3D-Printed Scaffolds for Infection Control and Bone Regeneration

中文标题：用于感染控制和骨再生的铜金属有机框架（Cu-MOF）修饰的3D打印支架

文章链接: http://www.mdpi.com/2079-4983/16/3/83

MDPI引用格式: Zhu, T.; Ni, Q.; Wang, W.; Guo, D.; Li, Y.; Chen, T.; Zhao, D.; Ma, X.; Zhang, X. Cu-MOF-Decorated 3D-Printed Scaffolds for Infection Control and Bone Regeneration. J. Funct. Biomater. 2025, 16, 83.

13、英文标题: Three-Dimensional Printing Methods for Bioceramic-Based Scaffold Fabrication for Craniomaxillofacial Bone Tissue Engineering

中文标题：用于颅颌面骨组织工程的生物陶瓷支架三维打印制备方法

文章链接: http://www.mdpi.com/2079-4983/15/3/60

MDPI引用格式: Sheikh, Z.; Nayak, V.V.; Daood, U.; Kaur, A.; Moussa, H.; Canteenwala, A.; Michaud, P.-L.; de F á tima Balderrama, Í .; de Oliveira Sousa, E.; Tovar, N.; et al. Three-Dimensional Printing Methods for Bioceramic-Based Scaffold Fabrication for Craniomaxillofacial Bone Tissue Engineering.J. Funct. Biomater.2024, 15, 60.

14、英文标题: In Vitro and In Vivo Analysis of the Mg-Ca-Zn Biodegradable Alloys

中文标题：Mg-Ca-Zn 可生物降解合金的体外和体内分析

文章链接: http://www.mdpi.com/2079-4983/15/6/166

MDPI引用格式: Istrate, B.; Cojocaru, F.-D.; Henea, M.-E.; Balan, V.; ?indilar, E.-V.; Verestiuc, L.; Munteanu, C.; Solcan, C. In Vitro and In Vivo Analysis of the Mg-Ca-Zn Biodegradable Alloys.J. Funct. Biomater.2024, 15, 166.

JFB期刊电子会议

The 2nd International Online Conference on Functional Biomaterials (IOCFB 2026)

功能性生物材料作为现代医学与工程交叉融合的关键方向，正在为再生医学、药物递送、智能医疗器械等领域带来革命性突破。为了进一步推动该领域的国际交流与前沿探索，由MDPI Journal of Functional Biomaterials (JFB, ISSN 2079-4983, Impact Factor 5.2)
主办的第二届国际功能生物材料线上会议 (The 2nd International Online Conference on Functional Biomaterials IOCFB 2026) 将于2026年7月8日至10日在线举行。

会议网站：https://sciforum.net/event/IOCFB2026

注册链接：https://sciforum.net/event/IOCFB2026?section=#registration

会议主题

S1. 牙科生物材料

S2. 骨生物材料

S3. 抗菌生物材料及表面

S4. 组织工程与再生医学生物材料

S5. 药物递送生物材料与治疗

S6. 用于医疗保健的生物材料与植入式器械

S7. 生物制造和生物打印材料

S8. 响应性/智能生物材料

投稿指南

投稿通道：https://sciforum.net/user/submission/create/1511

摘要投稿截止日期：2026年2月27日

1.所有提交摘要需为全英文；

2.摘要应包括引言、方法、结果和结论部分，长度约为200-300字；

3.摘要须为原创研究成果，未曾在任何期刊或会议上发表，否则不予接受；

4.会议投稿统一在Sciforum平台进行，不接收电子邮件、纸质稿件形式的投稿。投稿后请自留底稿，一旦被本次会议接收，非特殊原因将不予撤稿。

展示形式

口头报告

1.所有被接收的摘要均有机会被遴选为口头报告，报告时长15分钟 (12分钟演讲 + 3分钟问答) ；

2.仅支持线上直播演讲，不接受预录视频。

海报展示

所有被接收的摘要均可提交海报，海报将在会议官网Poster Gallery永久展示，供全球参会者在线浏览、互动留言。

会议奖项

为致敬作者们杰出的学术成就，以及对本届会议的大力支持，本次会议设置最佳口头报告奖与最佳海报奖。

奖项数量共为6个，所有获奖者将由会议评委会评选得出。每位获奖者将获得一张获奖证书和200瑞士法郎的奖金。

如有任何疑问，请联系会务组：

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