文献清单：”X射线”方向 Quantum Beam Science

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量子束包含了广泛的粒子和辐射源，包括同步辐射、x射线、伽马射线、中子束、电子、激光、介子、正电子、离子等。本清单选取了Quantum Beam Science期刊部分X射线方向的文章，涵盖材料科学/文化遗产与艺术/医疗与AI技术方向，希望能帮助各位读者拓展研究思路，欢迎分享阅读。

材料科学方向：

1. Diffracted X-Ray Tracking for Analysis of Heterogeneity of Hydrogels

基于衍射X射线追踪技术的水凝胶非均匀性分析

https://www.mdpi.com/2412-382X/9/2/19

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Sekiguchi, H.; Shinohara, T.; Akiba, I. Diffracted X-Ray Tracking for Analysis of Heterogeneity of Hydrogels. Quantum Beam Sci. 2025, 9, 19.

2. Residual Stresses of Small-Bore Butt-Welded Piping Measured by Quantum Beam Hybrid Method

采用量子束混合法测量小口径对焊管道的残余应力

https://www.mdpi.com/2412-382X/9/2/15

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Suzuki, K.; Miura, Y.; Toyokawa, H.; Shiro, A.; Shobu, T.; Morooka, S.; Shibayama, Y. Residual Stresses of Small-Bore Butt-Welded Piping Measured by Quantum Beam Hybrid Method. Quantum Beam Sci. 2025, 9,

15.

3. Investigation of Mn2+-Doped Stearic-Acid Through XRD, Raman, and FT-IR, and Thermal Studies

掺锰硬脂酸的XRD、拉曼、FT-IR及热学性能研究

https://www.mdpi.com/2412-382X/9/1/8

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Rocha, R.M.; de Souza Junior, M.V.; Silva, L.F.L.; Freire, P.T.C.; Pinheiro, G.S.; Paschoal, W., Jr.; de Sousa, F.F.; Moreira, S.G.C. Investigation of Mn2+-Doped Stearic-Acid Through XRD, Raman, and FT-IR, and Thermal Studies. Quantum Beam Sci. 2025, 9, 8.

4. Lithium-Ion Batteries under the X-ray Lens: Resolving Challenges and Propelling Advancements

X射线镜头下的锂离子电池：挑战解析与发展推动

https://www.mdpi.com/2412-382X/8/2/10

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Samimi, M.; Saadabadi, M.; Hosseinlaghab, H. Lithium-Ion Batteries under the X-ray Lens: Resolving Challenges and Propelling Advancements. Quantum Beam Sci. 2024, 8, 10.

文化遗产与艺术方向：

1. Development of a Macro X-ray Fluorescence (MA-XRF) Scanner System for In Situ Analysis of Paintings That Operates in a Static or Dynamic Method

用于绘画原位分析的宏观X射线荧光扫描仪系统开发——兼有静态与动态模式

https://www.mdpi.com/2412-382X/8/4/26

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Freitas, R.P.d.; Oliveira, M.A.d.; Oliveira, M.B.d.; Pimenta, A.R.; Felix, V.d.S.; Pereira, M.O.; Gon ç alves, E.A.S.; Grechi, J.V.L.; Silva, F.L.e.; Carvalho, C.d.S.; et al. Development of a Macro X-ray Fluorescence (MA-XRF) Scanner System for In Situ Analysis of Paintings That Operates in a Static or Dynamic Method. Quantum Beam Sci. 2024, 8, 26.

2. Multi-Technique Characterization of Cartonnage and Linen Samples of an Egyptian Mummy from the Roman Period

罗马时期埃及木乃伊棺椁与亚麻布样本的多技术表征

https://www.mdpi.com/2412-382X/8/3/22

MDPI and ACS Style

Sanches, F.; Franzi, I.; Cavalcante, J.; Borges, R.; de Paula, A.; Machado, A.; Nardes, R.; Santos, R.; Gama Filho, H.; Freitas, R.; et al. Multi-Technique Characterization of Cartonnage and Linen Samples of an Egyptian Mummy from the Roman Period. Quantum Beam Sci. 2024, 8, 22.

医疗与AI技术方向：

1. Estimating Lung Volume Capacity from X-ray Images Using Deep Learning

基于深度学习的X射线图像肺容积估算

https://www.mdpi.com/2412-382X/8/2/11

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Ghimire, S.; Subedi, S. Estimating Lung Volume Capacity from X-ray Images Using Deep Learning. Quantum Beam Sci. 2024, 8, 11.

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