
文献清单：【纳米纤维】MDPI Fibers

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文献清单：【纳米纤维】MDPI Fibers。期刊名：Fibers

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MDPI引用格式:

Ye, S.; Yasin, S.; Zhi, H.; Song, Y.; Gu, C.; Shi, J. High-Pressure Hydrogen Influence on Cellulose Nanofibers Filled Nitrile Rubber: Performance in Storage Applications. *Fibers* 2025, 13, 29.

2.英文标题: Nanofibres in Drug Delivery Applications

中文标题: 纳米纤维在药物递送中的应用研究

文章链接：<https://www.mdpi.com/2079-6439/11/2/21>

MDPI引用格式:

Farhaj, S.; Conway, B.R.; Ghorri, M.U. Nanofibres in Drug Delivery Applications. *Fibers* 2023, 11, 21.

3.英文标题: Developments of Core/Shell Chitosan-Based Nanofibers by Electrospinning Techniques: A Review

中文标题: 静电纺丝技术制备壳聚糖基核壳纳米纤维的研究进展综述

文章链接：<https://www.mdpi.com/2079-6439/12/3/26>

MDPI引用格式:

Taokaew, S.; Chuenkaek, T. Developments of Core/Shell Chitosan-Based Nanofibers by Electrospinning Techniques: A Review. *Fibers* 2024, 12, 26.

4.英文标题: Overcoming Challenges and Limitations Regarding the Atomic Force Microscopy Imaging and Mechanical Characterization of Nanofibers

中文标题: 纳米纤维原子力显微镜成像与力学表征的挑战与局限突破研究

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Kontomaris, S.V.; Stylianou, A.; Chliveros, G.; Malamou, A. Overcoming Challenges and Limitations Regarding the Atomic Force Microscopy Imaging and Mechanical Characterization of Nanofibers. *Fibers* 2023, 11, 83.

5.英文标题: Theoretical and Experimental Investigations of Oxygen Activation Effect of Carbon Nanofibers Interacting with Polypyrrole

中文标题: 碳纳米纤维与聚吡咯相互作用的氧活化效应：理论与实验研究

文章链接：<https://www.mdpi.com/2079-6439/12/1/4>

MDPI引用格式:

Xie, Y.; Wang, Y.; Wang, L.; Liang, J. Theoretical and Experimental Investigations of Oxygen Activation Effect of Carbon Nanofibers Interacting with Polypyrrole. *Fibers* 2024, 12, 4.

6.英文标题: Improving Recycled Paper Materials through the Incorporation of Hemp, Wood Virgin Cellulose Fibers, and Nanofibers

中文标题: 大麻纤维、原生木浆纤维与纳米纤维协同提升再生纸性能的研究

文章链接：<https://www.mdpi.com/2079-6439/11/12/101>

MDPI引用格式:

Filipova, I.; Andze, L.; Skute, M.; Zoldners, J.; Irbe, I.; Dabolina, I. Improving Recycled Paper Materials through the Incorporation of Hemp, Wood Virgin Cellulose Fibers, and Nanofibers. *Fibers* 2023, 11, 101.

7.英文标题: Multi-Scale Toughening of UHPC: Synergistic Effects of Carbon Microfibers and Nanotubes

中文标题: 超高性能混凝土的多尺度增韧 : 碳微纤维与碳纳米管的协同效应

文章链接 : <https://www.mdpi.com/2079-6439/13/4/49>

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Mart í nez, J.D.R.; R í os, J.D.; Cifuentes, H.; Leiva, C. Multi-Scale Toughening of UHPC: Synergistic Effects of Carbon Microfibers and Nanotubes. *Fibers* 2025, 13, 49.

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Penconek, A.; Kilarski, M.; Soczewka, A.; Wojasi ski, M.; Moskal, A. Production of Nanofibers by Blow Spinning from Polylactide Containing Propolis and Beeswax. *Fibers* 2024, 12, 8.

9.英文标题: Nanomaterial-Enhanced Sizings: Design and Optimisation of a Pilot-Scale Fibre Sizing Line

中文标题: 纳米材料增强型浸润剂 : 中试规模纤维上浆生产线的设计与优化

文章链接 : <https://www.mdpi.com/2079-6439/12/2/16>

MDPI引用格式:

Semitekolos, D.; Papadopoulos, I.; Anagnou, S.; Dashtbozorg, B.; Li, X.; Dong, H.; Charitidis, C.A. Nanomaterial-Enhanced Sizings: Design and Optimisation of a Pilot-Scale Fibre Sizing Line. *Fibers* 2024, 12, 16.

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中文标题: 基于脂肪酶包埋技术的PCL溶液吹纺纳米纤维网可控水触发降解研究

文章链接 : <https://www.mdpi.com/2079-6439/11/6/49>

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Asaduzzaman, F.; Salmon, S. Controllable Water-Triggered Degradation of PCL Solution-Blown Nanofibrous Webs Made Possible by Lipase Enzyme Entrapment. *Fibers* 2023, 11, 49.

11.英文标题: Conversion of Animal-Derived Protein By-Products into a New Dual-Layer Nanofiber Biomaterial by Electrospinning Process

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文章链接 : <https://www.mdpi.com/2079-6439/11/10/87>

MDPI引用格式:

Gaidau, C.; Râpa, M.; Stefan, L.M.; Matei, E.; Berbecaru, A.C.; Predescu, C.; Mititelu-Tartau, L. Conversion of Animal-Derived Protein By-Products into a New Dual-Layer Nanofiber Biomaterial by Electrospinning Process. *Fibers* 2023, 11, 87.

12.英文标题: The Use of Nanofibers in Regenerative Endodontic Therapy—A Systematic Review

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文章链接 : <https://www.mdpi.com/2079-6439/12/5/42>

MDPI引用格式:

Candrea, S.; Muntean, A.; Babant, A.-M.; Boca, A.; Feurdean, C.N.; Bordea, I.R.; Bosca, A.B.; Ilea, A. The Use of Nanofibers in Regenerative Endodontic Therapy—A Systematic Review. *Fibers* 2024, 12, 42.

13.英文标题: Polyaniline-Coated Electrospun Polyacrylonitrile Nanofibers for Effective Short-Chain PFAS (GenX) Removal from Water

中文标题: 基于聚苯胺改性纳米纤维的短链PFAS捕获机制研究

文章链接 : <https://www.mdpi.com/2079-6439/13/4/42>

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Jahan, I.; Tani, E.A.; Patel, H.V.; Zhao, R.; Zhang, L. Polyaniline-Coated Electrospun Polyacrylonitrile Nanofibers for Effective Short-Chain PFAS (GenX) Removal from Water. *Fibers* 2025, 13, 42.

14.英文标题: Preparation of ZIF-67@PAN Nanofibers for CO₂ Capture: Effects of Solvent and Time on Particle Morphology

中文标题: ZIF-67@PAN纳米纤维的制备及其CO₂捕集性能研究 : 溶剂和时间对颗粒形貌的影响

文章链接 : <https://www.mdpi.com/2079-6439/13/5/50>

MDPI引用格式:

Melo, G.H.F.; Yau, T.; Liu, Y.; Sundararaj, U. Preparation of ZIF-67@PAN Nanofibers for CO₂ Capture: Effects of Solvent and Time on Particle Morphology. *Fibers* 2025, 13, 50.

15.英文标题: Influence of the PAN:PEO Ratio on the Morphology of Needleless Electrospun Nanofiber

Mats Before and After Carbonization

中文标题: PAN:PEO比例对无针静电纺纳米纤维毡形貌的影响研究——碳化前后的对比分析

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Mpofu, N.S.; Topuz, Y.; Stepula, E.; G ü th, U.; Grothe, T.; Storck, J.L.; Wortmann, M.; Mahltig, B.; Ehrmann, A. Influence of the PAN:PEO Ratio on the Morphology of Needleless Electrospun Nanofiber Mats Before and After Carbonization. *Fibers* 2024, 12, 97.

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