

KAIBEI'S UNIQUE LONG-ACTING ANTIBACTERIAL AND ANTIVIRAL CORE TECHNOLOGY (NATIONAL INVENTION PATENT NUMBER: 202210587524.X)

Unique product form and a variety of scenarios terminal products antibacterial and antiviral materials preparation process.

KAIBEI'S R&D AND BUSINESS PARTNERS

KaibeI has established scientific research and business cooperation relationships with research institutions, medical and health organizations, well-known enterprises, and is continuously iterating new antibacterial technologies and developing new antibacterial products.

<p>Scientific research institutions</p> <p>HZAU, SAAS, CZU, NUS etc.</p>	<p>Professional institution</p> <p>Hubei CDC, Jiangsu CDC, Suzhou CDC, Huashan Hospital etc.</p>	<p>Strategic cooperation</p> <p>Shanghai Mitsubishi Elevator, Roche, Anjie Technology, I'M Corporation, Yangtze New Materials, Otsuka, Top Group, Kingclean etc.</p>
---	---	---

KAIBEI'S HONORS

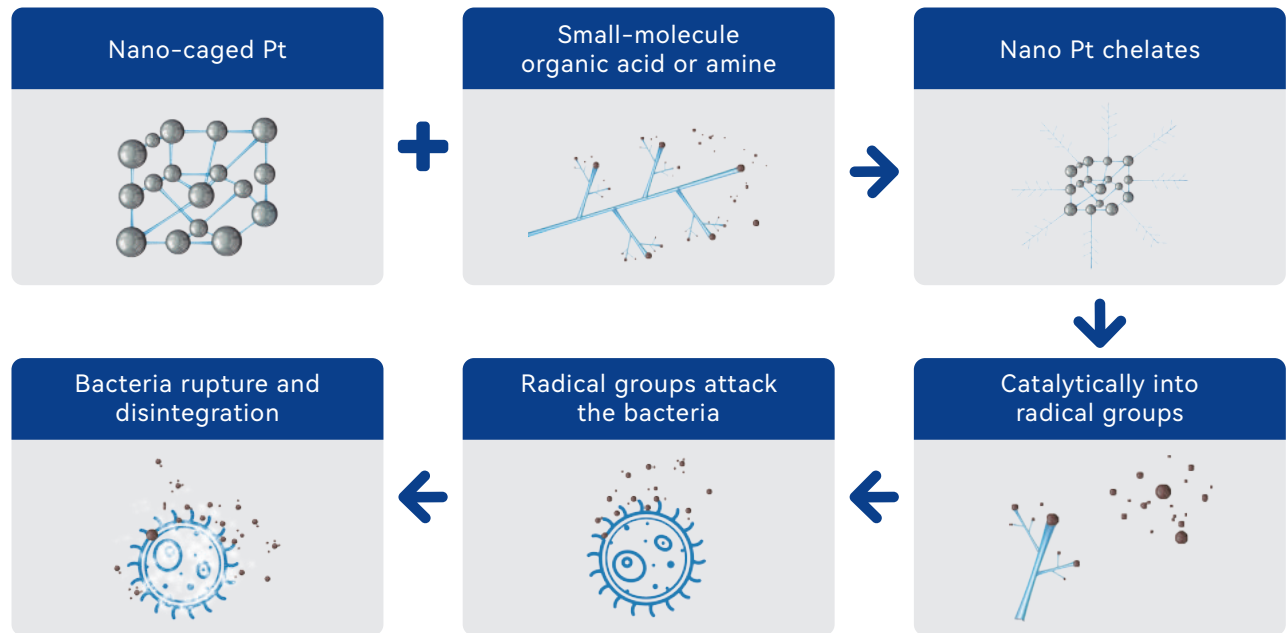
- Suzhou Industrial Park Science and Technology Leading Talent Enterpri.
- Small and Medium-sized Technological Enterprises in Jiangsu Province.
- Postgraduate Workstation of Huazhong Agricultural University.
- Industry-University-Research Cooperation Base&Postgraduate Workstation of Changzhou University.
- NUSRI - KaibeI Joint Laboratory on Nano-antibacterial Materials.
- Member of the Disinfection and Infection Control Professional Committee of the China Health Inspection Association.
- Director Unit of Chinese Industry Association for Antimicrobial Materials &Products(CIAA).
- Director Unit of Jiangsu Indoor Environmental Purification Industry Association.



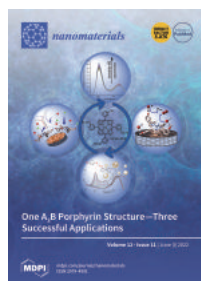
KAIBEI NANO Pt ANTIBACTERIAL PRINCIPLE

Scientific research has shown that the mechanism of antibacterial and bactericidal action of nano Pt can be summarized into four aspects: **damaging bacterial cell membranes, promoting the formation of reactive oxygen species, inducing DNA damage, and catalyzing reactions.** This demonstrates its strong effectiveness in terms of antibacterial and bacteriostatic effects.

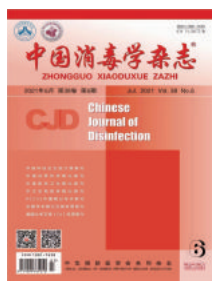
—From the article "Study on the Antibacterial Activity and Mechanism of a nano Pt Antibacterial Agent" by Kaibei, published in the **Chinese Journal of Disinfection** in June 2021 (Issue 6).



LIST OF ACADEMIC ARTICLES BY KAIBEI



Nanomaterials



Chinese Journal of Disinfection



New Technology & New Products of China



China Strategic Emerging Industry

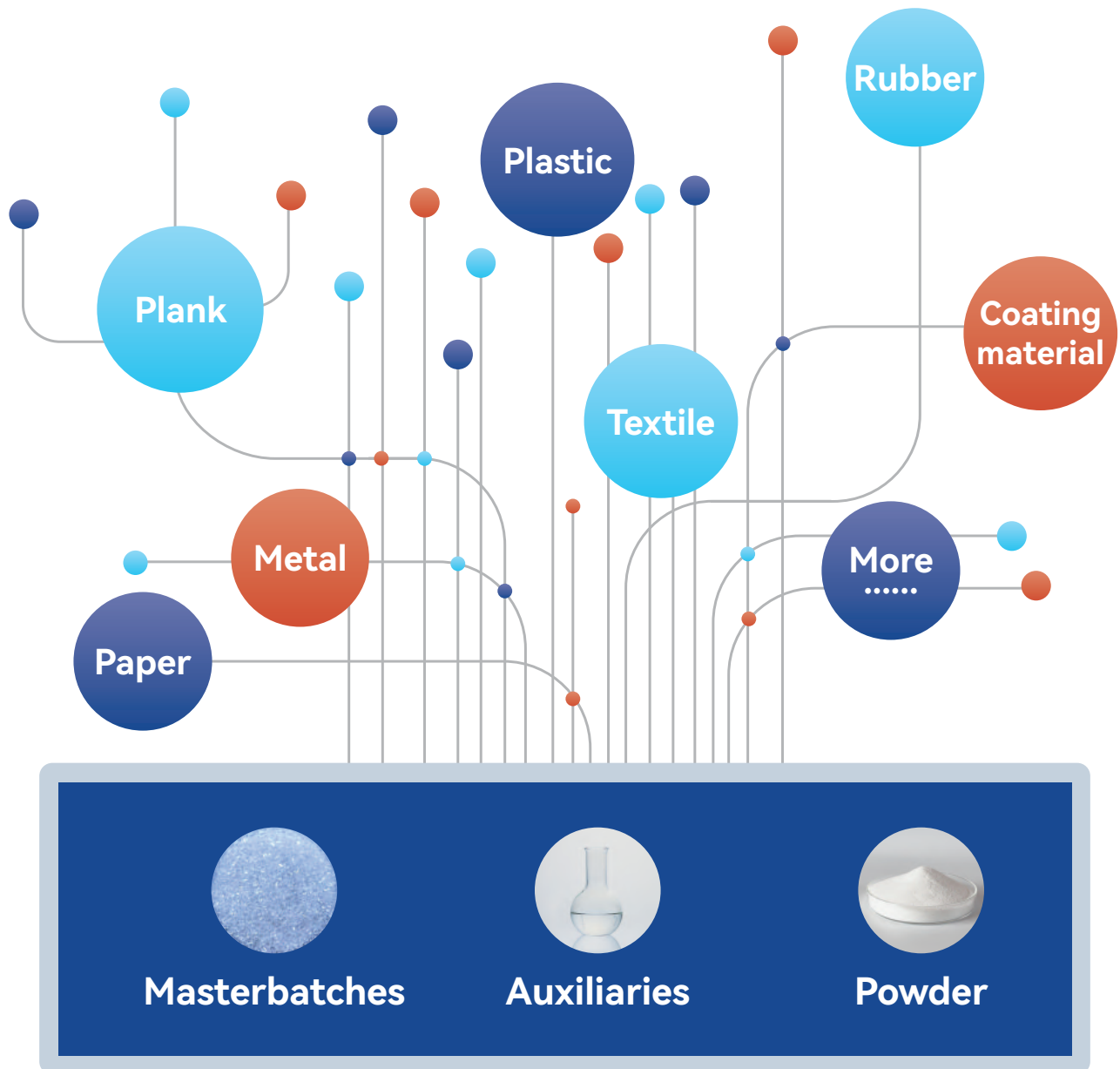


Journal of China Emergency Management Science



Medicine And Health

FORM AND APPLICATION OF KAIBEI NANO Pt ANTIBACTERIAL ADDITIVES



Various forms of additives

KAIBEI'S ORIGINAL ANTIBACTERIAL MATERIAL CHARACTERISTICS AND ADVANTAGES

“ The preparation process for Kaibei's Nano-caged Pt and Nano Pt chelates is an innovative technology, and no similar reports have been found.

——From: Jiangsu Consulting Center For Science and Technology Novelty Search

”

