**Artificial Intelligence on Fashion and Textiles (2024－2025)**

1. [A Real-Time Detection Method for Fashion Necklines Based on Deep Learning](https://kns.cnki.net/kcms2/article/abstract?v=9oehDy4zW5bpo45bfMT3EjB0cVcSD0DHVfaEQVnR5Lm6t0-2wM12gCJhNDaKvsifUYrAOOUcotT5sW-KqLrPRun_oRB8ftKuL8UQR4EreJEBAx1NbeZnXuC-Ne8PALKcg3kpoLDm6-UFzMJOULXkbcUN_xPxizW5LKnDcruR0y7nPHE-qSt-jA==&uniplatform=NZKPT&language=CHS)

Citation: CHEN C X, JIANG L X. A real-time detection method for fashion necklines based on deep learning[J]. *Journal of Donghua University* (*English Edition*), 2025, 42(3): 301-314.

1. [Region-Aware Fashion Contrastive Learning for Unified Attribute Recognition and Composed Retrieval](https://kns.cnki.net/kcms2/article/abstract?v=9oehDy4zW5YysPeaLHOhHgbg43p3hPVMIWP_x89xntfUHXRh7ZsV4a_d0k8dyqzCZQdmLUpQzWr1wZsMFBYsA5C8mra3NaCjX2fb_xKZPRZkfgpDrNfC0M5QAEHiZ1Q8tAHPLV0PmIaBxirZhucKXxkrzmZGv6TebPyPPYMAKGDexL7IZFHo9g==&uniplatform=NZKPT&language=CHS)

Citation: WANG K P, ZHAO M B. Region-aware fashion contrastive learning for unified attribute recognition and composed retrieval[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(4): 405-415.

1. [Improvement of High-Speed Detection Algorithm for Nonwoven Material Defects Based on Machine Vision](https://kns.cnki.net/kcms2/article/abstract?v=9oehDy4zW5ZEcOoEYkL8YBTcnVtWDllqq5nti282j2tHJyta5uEty52LE2930XTEivavz_OgZ1hBNFVjpnXC2LHl3TYEQwPm969biCF45sLHwBzRWb0xK0nAZUPJsAWMx2vHv9bjVQSZ1IgmJzhhjD32GaY2dKH1_vn47Pq2M4xsOg8G2K3W7A==&uniplatform=NZKPT&language=CHS)

Citation: LI C Z, WEI K H, ZHAO Y B, et al. Improvement of high-speed detection algorithm for nonwoven material defects based on machine vision[J]. *Journal of Donghua University* (English Edition), 2024, 41(4): 416-427.

1. [Fabric Image Retrieval Based on Fine-Grained Features](https://kns.cnki.net/kcms2/article/abstract?v=9oehDy4zW5bm_eZfBQwxk-XvfEy7uhFwywHwBNr7P1wWmgrgplNR6ZsLnzyMgkkmEJNlqtOYSxiRchTTZj93x44zTCixplYt8eMuZCcRZzuWnbwlSHJ1azEgG6FDs3eJXyFIJYsSR9kAOFdQ2AYiVKPCp6qcYtyJzAZxu1KyM_jBB87LUqh3Pw==&uniplatform=NZKPT&language=CHS)

Citation: LUO X, XIA D M, TAO R, et al. Fabric image retrieval based on fine-grained features [J]. *Journal of Donghua University* (*English Edition*), 2024, 41(2): 115-129.

1. [Highly Sensitive Strain Sensor with Aligned Fibrous Base and Patterned Biphasic Metal Sensing Layer](https://kns.cnki.net/kcms2/article/abstract?v=9oehDy4zW5YFAuStih6rc2E1eElyDEXwTjrpW5PN53rn7JuLTD_khwe-KFH02__rA3hjGEhnEEecPHpWTk_eIPGmhPxfGgKg5xvxEGJIDXs5m9d70V6hLgcG1KqD8Ev14VirYGx3du3R4tH-_Z23nB9fhH6D6bzNcax51Me9DYZOQF7Po3KIeg==&uniplatform=NZKPT&language=CHS)

Citation: LIU L, HUI P X, LIU F, et al. Highly sensitive strain sensor with aligned fibrous base and patterned biphasic metal sensing layer[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(1): 1-7.

1. [Design of Sleeveless Tight-Fitting Sensing Clothing Based on ANSYS Workbench](https://kns.cnki.net/kcms2/article/abstract?v=9oehDy4zW5abX_NL6UFK46PE3VKh63IcGg-6awDaYNvc18DaW8LIAZTxAc4AVDK4QnXDsL9Ro2yTHxSWQojdQAn_9XmvHWi8aeeRgNDtFTnWpZuIxNz4R_WAc0kcfrOdhb0NIIy8ZPIR3OET9f5g6JRIP1XPZj-SQX8BbuTPm8ZhFwEv9391iA==&uniplatform=NZKPT&language=CHS)

Citation: BAI Y F, ZHENG L, DING H, et al. Design of sleeveless tight-fitting sensing clothing based on ANSYS Workbench[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(1): 8-14.

1. [Monitoring Muscle Fatigue Based on Characteristics of Muscle Thickness Measured by Fabric Strain Sensors](https://kns.cnki.net/kcms2/article/abstract?v=9oehDy4zW5bsuSPTn0hbjeQfOFlnQskhOhykkdfYH2Qec2RRBgRClZC_2T7qF4dGAB5RmRoaXrmTYyBN5xmpCHgXPXU0Zzv2QVAJSddZQ8FO8Cj62LyONnTs_gWq_Oyqlg5ZT3fyZKkKf78OagmXtN3k7DCDaC3o-6ONGzbHFRomeyzXVRjR-Q==&uniplatform=NZKPT&language=CHS)

Citation: WANG C L, WANG X. Monitoring muscle fatigue based on characteristics of muscle thickness measured by fabric strain sensors[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(1): 15-20.

1. [Sales Forecasting of New Clothing Products Based on Hierarchical Multi-Modal Attention Recurrent Neural Network](https://kns.cnki.net/kcms2/article/abstract?v=9oehDy4zW5ZKvWFkt2WtgQRcgF89p0jPbAmsRv8F9bKyQwv6EXZN2A1QQJb8q8dNjS5ZI_LGiimSgxHe5W05lC79vjYi-ySVdYxuxk7dBh7vLmT9CcS0e44zlTLF7FYAR0VMgTIWTzV21JiPoaAsnLc7D7xCOGHmwMX-_vyaQpq2k-yoSXjGjw==&uniplatform=NZKPT&language=CHS)

Citation: SHI W D, DU J S, LI D C C. Sales forecasting of new clothing products based on hierarchical multi-modal attention recurrent neural network[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(1): 21-27.

1. [Original Feature Preserving Virtual Try-on Network Based on Receptive Field Block](https://kns.cnki.net/kcms2/article/abstract?v=9oehDy4zW5ZcsOdYxwGelMyWUpAOjF55GbNwnKw-zqVaoB1NhClLoiqQP_0PBtLv8k9diX7rsZnk130ou2gIaUNMvUspxSEOMQ0KrQoVfeAuh2pAEzM9IduWzN7M6VafX4CiRsb1tFFNBT7Cv-LkX3CLf_9YolI9v9dKZM3xmA0jT3nXbLR63g==&uniplatform=NZKPT&language=CHS)

Citation: WANG Z Y, TAO R, LU H L. Original feature preserving virtual try-on network based on receptive field block[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(1): 28-36.