**Advanced Functional Materials (2024－2025)**

1. [Mesoporous Ti3C2-Loaded Iron Phthalocyanine (FePc) Electrocatalyst for Efficient Oxygen Reduction Reaction under Alkaline Conditions](https://kns.cnki.net/kcms2/article/abstract?v=FqAfUZ3F7bYXHzl2i2weguXjaofvRe25BxzoBHORyi2HRtnLfEGybayyssY2EsItmRLEJsXq-UsgXjJLbsHSy3-2mob-2q4VES-GQwAoPSoeIj_Rs0hHGfDbC-Jbh9rvp0trFnjJHuz_vKywLmIn9vmzmCssxmPUrhUBl73O2QWXEd7j6Hvz0Q==&uniplatform=NZKPT&language=CHS)

Citation: WANG X, HUI M M, YANG S Y, et al. Mesoporous Ti3C2-loaded iron phthalocyanine (FePc) electrocatalyst for efficient oxygen reduction reaction under alkaline conditions[J]． *Journal of Donghua University* (*English Edition*), 2025, 42(3): 219-229.

### [Design and Synthesis of Molybdenum Red Cluster {Mo49} by Building Block-Directed Assembly for Proton Conduction](https://kns.cnki.net/kcms2/article/abstract?v=FqAfUZ3F7bakAdSlgHi9E56fc6ii1IWOR9cjFZRN1Xu0n3LZZCrK_siGadV62cGTDbQqCANdKGNQ2t0qsNC1TlPFEHjd7z0wdy2XJon06ea0jHICyvY_2mJdSl_M6_O0KH0RcCjcQ8p97RMtfJrKha9BHa_T3w0mPxlk8y-9qn4-oICEFnJBDg==&uniplatform=NZKPT&language=CHS)

Citation: ZHANG D D, CHEN Z Y, TANG R Q, et al. Design and synthesis of molybdenum red cluster {Mo49} by building block-directed assembly for proton conduction[J]. *Journal of Donghua University* (*English Edition*), 2025, 42(3): 230-241.

### [Enhanced Reliability and Stability of Vanadium Oxide-Based RRAM by Constructing VO*x*TiO2n++ Si p-i-n Structure](https://kns.cnki.net/kcms2/article/abstract?v=FqAfUZ3F7bZMY9G1ShLCOt_yBHKTEwyrOtMQ5uB0ItADpyW7nBd_6pjLQ7EBvv-m9XbOeGEjf0OxYlwn7HFbXUD5m2zSp18SJnIZlt8mZQ_38sJyiGwxeVwp2SRtjtBqCpnP5yjK8LgVCbdGJe5xBmuVT-Os2xR_cizUpFsByrvf-mDrLgFI6A==&uniplatform=NZKPT&language=CHS)

Citation: WANG Z，ZHOU X，ASAD K，et al. Enhanced reliability and stability of vanadium oxide-based RRAM by constructing VO*x*TiO2n++ Si p-i-n structure[J]. *Journal of Donghua University* (*English Edition*), 2025, 42(3): 242-250.

### [Mechanochromism of a Perylene Diimide Derivative-Doped Styrene-Butadiene-Styrene Block Copolymer](https://kns.cnki.net/kcms2/article/abstract?v=FqAfUZ3F7bbfoyvOrzCtxXW_vC-A2l-nGcM1Zxnp2BcZYwjU2xz37CzgNGMrxSCz90I_S_y1LWWjRmNpw66Csp7SwoceU8IZEa_pBsusYhTOA1GnOsobjQeLpWfxewpSy85VI5ufg_ClBSZzddbuJRmy50F-iTEvaVUVlYfJxgvELf_J1U-9-A==&uniplatform=NZKPT&language=CHS)

Citation: MUHAMMAD A, CHEN J, LIAO Z G, et al. Mechanochromism of a perylene diimide derivative-doped styrene-butadiene-styrene block copolymer [J]. *Journal of Donghua University* (*English Edition*), 2025, 42(3): 251-258.

### [Effect of Thermo-Oxidative Aging on Flexural Behavior of Quasi-Isotropic Carbon Fiber Reinforced Composite Laminates](https://kns.cnki.net/kcms2/article/abstract?v=FqAfUZ3F7bZRHymiYBBedOo4RDyNsEmR-hLa0m5yNGS2A6Ir6jHXXw2jpY37HW9OcbNgL8Oa1vlm8byiRo7hIcXMeWIKTG0XxpYGuEGJ8L5SX9Si2q1_5OEQKg6B681gGKKZW5--2MVO829NPLkwsETGMYp7dyrJKnrawAd5IuxMqJi8QF9w7A==&uniplatform=NZKPT&language=CHS)

Citation: SHAKYA P, GU B H. Effect of thermo-oxidative aging on flexural behavior of quasi-isotropic carbon fiber reinforced composite laminates[J]. *Journal of Donghua University* (*English Edition*), 2025, 42(3): 259-272.

### [Triboelectric Nanogenerators Based on Polyimide Membranes Doped with Barium Titanate Nanoparticles and Multi-Walled Carbon Nanotubes](https://kns.cnki.net/kcms2/article/abstract?v=qQX4xeHgc6sUCgJAua1VLU9xShKU9tMAKLAPnbrDxnGH5VXPwfnG-x_sR3_seUEVKiAUK_-xH8iLvmjjCN3Ijhui49FfVqhRCHiaNM5_FxfnU6F5qIDeqvpMQwjHVTFwqWTTpfr7wIwSBy87-Bmry3j4OcpX0bl9R-3_Vp87__UynSg1Rmr94g==&uniplatform=NZKPT&language=CHS)

Citation: LIU J J, AFZAL S U, WANG K B, et al. Triboelectric nanogenerators based on polyimide membranes doped with barium titanate nanoparticles and multi-walled carbon nanotubes[J]. *Journal of Donghua University* (*English Edition*), 2025, 42(2): 107-115.

### [Improving Tensile Properties of Flexible Conductive Polyacrylonitrile @Carbon Nanotube Nanofiber Membrane by Cellulose Nanocrystal](https://kns.cnki.net/kcms2/article/abstract?v=qQX4xeHgc6vpLJyffAWHCagCphyVHNHNUf8znyIId4FwwssIYPlWnWsR2ful3_w04jF8wWNf5Z5ha-AVdfJbityPUC5DRBCcYO0416sbEhvaMpPtWB4j-5PetpMVm4Es_fHzkvlu1JHIau4j88WMRVD-Vo1Ck4lYgb14HpsXz0ZjGzwx2GgDjA==&uniplatform=NZKPT&language=CHS)

Citation: ZHANG C H, WANG L Y, WANG H W, et al. Improving tensile properties of flexible conductive polyacrylonitrile@carbon nanotube nanofiber membrane by cellulose nanocrystal[J]. *Journal of Donghua University* (*English Edition*), 2025, 42(2): 116-123.

### [Effect of Heat Treatment on Molecular Mass and Thermal Properties of Thermotropic Liquid Crystal Polyesters](https://kns.cnki.net/kcms2/article/abstract?v=qQX4xeHgc6uo1iQ-dB0_hzZ2u7JJ1FqcGxEaSwrYgJzdP9wLFMCSkgJkhu2uQkc02Vy27J_XzTWT-nnA8qu1OFYoCf2JHmoKPTogcLOgBifrNprgAzjkiXkmLwrGSdZwbSldXmUlxrWDQnHhRqOyZ3I-i0dKkP1HmgfNYYmjJxD3hLyXy-tGEQ==&uniplatform=NZKPT&language=CHS)

Citation: DONG S H, CHEN Y F, WAN H, et al. Effect of heat treatment on molecular mass and thermal properties of thermotropic liquid crystal polyesters[J]. *Journal of Donghua University* (*English Edition*), 2025, 42(2): 124-135.

### [Piezo-Photocatalytic Technology Based on Bismuth Ferrite (Bi\_2Fe\_4O9 for Degradation of Reactive Dye KN-R](https://kns.cnki.net/kcms2/article/abstract?v=qQX4xeHgc6tD2ZFeK-z1GSQslSTG01fxQIoQIueKW07Pmk0ZFPh3SZ7NBtDTv3_NrjofsXZAASTmmCvpCJs0lwXFiaZOET4YtL3S3nCVinCcFWFSeNASo1_BaXdnDXlkMAHc1BzMXoF2cWr3dMTI0I1nTB3BumS_6pGaP-PfU3qWYg4pMEP3bQ==&uniplatform=NZKPT&language=CHS)

Citation: ZHU F S, HU C Y, LIU B J. Piezo-photocatalytic technology based on bismuth ferrite (Bi2Fe4O9) for degradation of reactive dye KN-R[J]. *Journal of Donghua University* (*English Edition*), 2025, 42(1): 1-11.

### [Enhancing Piezoelectric Output via Constrained Phase Separation on Single Nanofibers:Harnessing Endogenous Triboelectricity](https://kns.cnki.net/kcms2/article/abstract?v=qQX4xeHgc6vziRFaWfzwSyOd-8qNrSrkV_yt8fVVXY0tr4PY-tWeqFIWXkW3hfyYBgFcYFpxEMblMc7fi1v3UHbGBrk4Z-mHG_fdFSmPP0Fbhftjh3lQ-i9ueySk9Q1X2fAMgVFZzsjTc91gGs8WDppoXxLFe_YnHUCdXMwmivHG3CFZDgI5ZQ==&uniplatform=NZKPT&language=CHS)

Citation: YU D M, LIU L F, YU J Y, et al. Enhancing piezoelectric output via constrained phase separation on single nanofibers: harnessing endogenous triboelectricity[J]. *Journal of Donghua University* (*English Edition*), 2025, 42(1): 12-19.

### [Porous Ti\_3C\_2Txfor Efficient Electrocatalytic Hydrogen Evolution Reaction](https://kns.cnki.net/kcms2/article/abstract?v=qQX4xeHgc6vmGXpBOaI0kNMQ4n_rVxje7ES9akYU2atXSzddrzVi06_yF7EWEGXCwoGnNuFe5afvJIv4xQJi_8RLdtCvt6ewMK5TWMvUXttcLhyNLL0wVMlGgEvnPZVzYj-9X4S4CBDkSJZ-SfoHkWPZnfDeb8rwXvu1h_7zowByVhv3h8KZsg==&uniplatform=NZKPT&language=CHS)

Citation: LIU Y, HUI M M, BU F X, et al. Porous Ti3C2T*x* for efficient electrocatalytic hydrogen evolution reaction[J]. *Journal of Donghua University* (*English Edition*), 2025, 42(1): 20-28.

### [Preparation and Properties of Self-Crimping Polyamide-Based Side-by-Side Bicomponent Elastic Fibers](https://kns.cnki.net/kcms2/article/abstract?v=qQX4xeHgc6umAzecfVX6cNooFh2WBh74wG_DGCKEebnLmttweS_hRpEtrxrz6ZS8buJv4xO8hK7GjEEfhL4IlcjOAEFSsgHMa9ugMWtKbRuOlfP0nXlFeWsqT3aRY_sa3HhXKJ9d-_SsdnEt2nMtKOZzHsx1h-mWUGgt5rZZqPXcDoYWLrOb5A==&uniplatform=NZKPT&language=CHS&anchor=citnet)

Citation: WU Y H, LANG J R, ZHANG S M, et al. Preparation and properties of self-crimping polyamide-based side-by-side bicomponent elastic fibers[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(6): 569-581.

### [Cellulose-Based Nanofibers Electrospun from Cuprammonium Solutions: Preparation, Mechanical and Antibacterial Properties](https://kns.cnki.net/kcms2/article/abstract?v=qQX4xeHgc6tUf5QOJ4qwZjyi9yKzwtUFG_LuD_Il8cuQJ2DfTowjIvGrfw1WeZKBoHQHyk1yZdejrklvx06iH0XBURYga_YTm_JJxhvwNzqUh5jN4q25aVLkhR9PXejxrOBvPRiq3ibe82dseMMAVXk6W3YnDIcSixpbEOcfyebvSyDLq28AZg==&uniplatform=NZKPT&language=CHS)

Citation: DANISH I, ZHAO R H, MUHAMMAD I S, et al. Cellulose-based nanofibers electrospun from cuprammonium solutions: preparation, mechanical and antibacterial properties[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(6): 582-594.

### [Impact Behavior Analysis and Failure Mode Comparison of Glass Fiber (GF) /Polydicyclopentadiene (PDCPD) Thermosetting Composite for Automobile Bottom Protection Plate](https://kns.cnki.net/kcms2/article/abstract?v=qQX4xeHgc6uPknbVWtZzi9ST7juMC6xahYtMCSPLDUULOTQ_7Jd1isQ58QKs7ZpWcS40ix_jMK574UqFV0XKoeSS0lYXSjfFFo9Fc56EijaZi5o9M1hKSJHu5_1HQsv6AwnZooMX_17F2CEsPwbGVub_SNVyNbFnIF63QTWSvQ6JEPTITSFcxQ==&uniplatform=NZKPT&language=CHS)

Citation: MEI Z H, PEI Z L, CHENG L L, et al. Impact behavior analysis and failure mode comparison of glass fiber (GF)/polydicyclopentadiene (PDCPD) thermosetting composite for automobile bottom protection plate[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(6):5 95-606.

### [Ti3C2 MXene and Ni2+ Enhanced Peroxymonosulfate Activation for Dyeing Wastewater Degradation](https://kns.cnki.net/kcms2/article/abstract?v=qQX4xeHgc6tWAURj5VO9jhyDBvi6Dm-IO8QHhuGFC-2TqNcExbvSDbrhqENK10-qxKvODI808K188g6FbQo7IUgZCRp-Bo2jVfI91ZWhe5UpENGW1K62J3gGg1wMomj2vgmC1Glsu-VTAukGxiN8nebSJJxs4DYFWDqHo5IZygRj1sWwHp-vuw==&uniplatform=NZKPT&language=CHS)

Citation: ZHANG X Q, HAN B, XU J, et al. Ti3C2 MXene and Ni2+ enhanced peroxymonosulfate activation for dyeing wastewater degradation[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(6): 607-615.

### [Flax/Polylactic Acid (PLA) Core/Sheath Structural Composite Yarn Fabricated by Spindle Braiding Technique](https://kns.cnki.net/kcms2/article/abstract?v=FqAfUZ3F7bYvxr74mu9i94CVhehRpFWlzgi3gOj2XILk6T1-533KMFiSjN6oJCTSc48s_cwzMR7lHSK5AM0BLlsQ8KBgTk0XdZ4JmrCZ2I5U3b8KvL1j0X0vFjA2ZjyquDGznyAPAm28C8Im9xCuiKCead6gj8TB5X1pfWRVysnyRkTkhmOdaQ==&uniplatform=NZKPT&language=CHS)

Citation: ISLAM M A, WANG R J, CHEN W, et al. Flax/polylactic acid (PLA) core/sheath structural composite yarn fabricated by spindle braiding technique[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(5): 451-460.

### [Preparation and Properties of Regenerated Cellulose/Amylopectin Blend Fibers from 1-Butyl-3-Methylimidazolium Chloride with Controlled Biodegradation](https://kns.cnki.net/kcms2/article/abstract?v=FqAfUZ3F7bam-zhfYkP0z2ujBwvFKOBrcFIh84nBFtf9ih7YT-kx1d7dPmNbuBOZPOAoQY5zlnN8j78unmYWLq7wz8zjheAdHE78l0y4kLgVJXsy49DIg2ym1uGPksfzo7uXOI6t4KGepkWoagjU745jzZM452mz6NGAiG_FZxPVa7A3uHnf6Q==&uniplatform=NZKPT&language=CHS)

Citation: KUMI A K, FAN R L, ZHANG Y, et al. Preparation and properties of regenerated cellulose / amylopectin blend fibers from 1-butyl-3-methylimidazolium chloride with controlled biodegradation[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(5): 461-473.

### [Design and Fabrication of Flexible Thermoelectric String-Based Fabrics](https://kns.cnki.net/kcms2/article/abstract?v=FqAfUZ3F7bZpwAeeKw3OSWeqhFbjY003qnR0NmrP-DJfbjxC7iH3V2shNQpBSS_wNZrL4Ekl93xqD6XuYbEZv3ES-NIz4k09AyXTKrO6llw3b6dDrloS4qI0EeFvRnMGOAx11RCnLrRs7RarXN-Tb5_mUi97n7VXFb_d5wZ-yAqnyjm17kDarw==&uniplatform=NZKPT&language=CHS)

Citation: AHMAAD H U D, DU M Z, HAN X, et al. Design and fabrication of flexible thermoelectric string-based fabrics[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(5): 474-481.

### [Review on Development and Application of Fabric Electrodes in Electrocardiogram Monitoring Garments](https://kns.cnki.net/kcms2/article/abstract?v=FqAfUZ3F7bYbH_npOMIQ2OFv-FcgSvoflYXXA6OGSiFyq4NNjlAikp172EhyWvgDXOgPTPefblLLpFLYWLAs4Iu8svLFUbTDbz5x1aScTqxftKGk-T_PeGEhMH_xKsmHnJdnWf5jp8JHdA2C9R-YfOiO9cT5Shqd57SzGlhCb-pFs6CRtuTKfg==&uniplatform=NZKPT&language=CHS)

### Citation: XIE Y T, ZAKARIA N. Review on development and application of fabric electrodes in electrocardiogram monitoring garments[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(5): 482-491.

1. [Recent Advances in Transition Metal-Based Catalysts for Electrocatalytic Nitrate Reduction Reaction](https://kns.cnki.net/kcms2/article/abstract?v=9oehDy4zW5aKHSgA4ZM7sfbAopiKJ2LNyVRAnbHXDy7YaCU_RgM5AplaXt0V-6ECqFNQwdi9Uk5x-5gdqYCbulMR8Y4OPAljKfdomVim1cJJ1N_TfSAARdJMhClQZyExixhruM1cUnBFWd318OlWmscMUMryGqSZyT9pVBJDI_CKHM89QWR-bw==&uniplatform=NZKPT&language=CHS)

Citation: LUO H X, CHEN J, YANG J P. Recent advances in transition metal-based catalysts for electrocatalytic nitrate reduction reaction[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(4): 333-348.

### [Mesoporous Carbon Nanofibers Loaded with Ordered PtFe Alloy Nanoparticles for Electrocatalytic Nitrate Reduction to Ammonia](https://kns.cnki.net/kcms2/article/abstract?v=acR2UJ02YhT1e85t5fvPZLxOB2JN6kxEF3F_0PCyE1YJmiaU8vrWUic_Sl1iw6SIrUgqWj8OPwNuI6Ao5nWcDem5JBYB2QoWwXJkg2H3QRx2fbwpJeVnenynJIoZF2b4W0EDKGJsGowrTaAygvjJY6xnhc6lRkEfxIaO432W1Xxs_Q7znspCrtLJP_L1PRT6&uniplatform=NZKPT&language=CHS)

Citation: XIE M, LUO W, QIU P P. Mesoporous carbon nanofibers loaded with ordered PtFe alloy nanoparticles for electrocatalytic nitrate reduction to ammonia[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(4): 365-376.

### [Morphology Control of TiO2Nanotubes towards High-Efficient Electrodes for Supercapacitor](https://kns.cnki.net/kcms2/article/abstract?v=acR2UJ02YhTAlsLc8CL43pWX4qyC3sEeM02IvJfZfcsZHdIixgCiq4e86xo5FLQicAvmvWZlKmYZEM-k_-XSt3zHLFK6G_sNLVk0ojkRATxiZ_v6d2mXazObH4tcFH4KOQXseWUOrMt3Yl1Ng8UuLqBm_wCug5yCgZuMdeKqvPmQCDI4ZRTlZllBABk2Rmju&uniplatform=NZKPT&language=CHS)

Citation: WANG J, CHEN G B, WANG C R, et al. Morphology control of TiO2 nanotubes towards high-efficient electrodes for supercapacitor[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(4): 377-387.

### [Suppressing Leakage Currents and Improving Performance of Indoor Organic Photovoltaic Devices](https://kns.cnki.net/kcms2/article/abstract?v=acR2UJ02YhTBid2WGTvY3gWQ25JmQ0fdmTz5HGmEhegd7EoyrgLt6F4euvdvi6mHq9BqnTxbzjQe5RxaV6Xmfu7N-DYr_hZRTbuTV4B9L5I3-pw4VM9gFiWVdkO7nviTBfelEwZx1QBneiD0aVWSJdpwxR3H0KghpnQMqUwLrHdywQTx41bLF5R_KCHIwUKs&uniplatform=NZKPT&language=CHS)

Citation: WANG X, GAO J X, LI Z, et al. Suppressing leakage currents and improving performance of indoor organic photovoltaic devices[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(4): 388-397.

### [Ballistic Penetration Damage of Hybrid Thermoplastic Composites Reinforced with Kevlar and UHMWPE Fabrics](https://kns.cnki.net/kcms2/article/abstract?v=acR2UJ02YhQTmG7KnPOt7BO3q6tboW9rBsYVwTscJM7-7wDS-i8ZY5Xmgu5mhDwcb1CcNhUcZwSsZv1BQtLv-yVs-m7JayPYvVGE1xpKEx7q4WeljW5MFC_hVQzMqUXzFBIQrSOsq46YyYx6zfeX9ilcdoMM4195DIDuylbFf65B_quCI7KYI2bwECYCRyX0&uniplatform=NZKPT&language=CHS)

Citation: LI Z Y, XUE Y S, SUN B Z, et al. Ballistic penetration damage of hybrid thermoplastic composites reinforced with Kevlar and UHMWPE fabrics [J]. *Journal of Donghua University* (*English Edition*), 2024, 41(4): 398-404.

### [Aurum-Mesh Transfer of Large-Scale Monolayer Graphene Patterns](https://kns.cnki.net/kcms2/article/abstract?v=acR2UJ02YhT7f-haL51UFyt6DbjxevQclyzPPQYMbVpDs4P7RMTmn7_C_-HxDQzHvIQ5wCIpKCAhrINYfogTHoQTjI8DTnNr5mfHNmCMWVBwlbhhThZF80q8r4h7uit67g3MgpKB4x_EEXSZDHAUoB-Idmv34u_10bFI2SgUgnNf5TXjrf31bQcQcoTpqWN2&uniplatform=NZKPT&language=CHS)

Citation: Li C, JIANG M. Aurum-mesh transfer of large-scale monolayer graphene patterns[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(3): 241-248.

### [Modification of Graphite Carbon Nitride by Nitrogen-Doping and in situ Loading CoSe*x*as Co-Catalyst by Light-Assisted Synthesis for Enhanced Photocatalytic Hydrogen Production](https://kns.cnki.net/kcms2/article/abstract?v=acR2UJ02YhRX9tVx4ynzMbbetY2wAwwtrx-BShj-SVZMO610rVtWA-CesfJVj-NbRkIALXv9HDr-NEDz2fB1eCNxruz8OyPq3mivczeUiYwminf90R6vmSVU-SE3BK2eDjUwUZ5-tlBBe9NDN7vS7JWTZrwiwVmXZogL4AUUz5Ki50ZEf9kqoT-yAx1i32pE&uniplatform=NZKPT&language=CHS)

Citation: LIU S W, XI C J, ZHANG L P, et al. Modification of graphite carbon nitride by nitrogen-doping and in situ loading CoSe*x* as co-catalyst by light-assisted synthesis for enhanced photocatalytic hydrogen production[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(3): 249-256.

### [Synthesis and Characterization of Polyborosilazane for Silicoboron-Carbonitride Ceramic](https://kns.cnki.net/kcms2/article/abstract?v=acR2UJ02YhS6lJy_kisXBS_h05_iPLLxjznAHQiTzSaC5AotBDPFvW8fkwJdC33F8ryoNBdJmojZvScxCwQ2GIWVc1dXaoxhse8V2SV3HfetMTueim-EGpnrW-zg2bX33rVh0mZBy26u9ebi1PzHb05o0W7nX0LdTPrUAYj_bW95LkDx_ZmwzeDZiPBZ4Tn-&uniplatform=NZKPT&language=CHS)

Citation: MALIK H, SHEN J, TANG Z C, et al. Synthesis and characterization of polyborosilazane for silicoboron-carbonitride ceramic[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(3): 257-262.

### [Surface Doping and Humidity Sensing of MoS2 Field-Effect Transistor by Oxygen Plasma Treatment](https://kns.cnki.net/kcms2/article/abstract?v=acR2UJ02YhQcm9qxcwUQctFOMlJpCE7LDWglWjzKOwBkKJD4AfUyQZkGGm8TCL03NkDdBH7TCCV_qG_yd3WTlzbYvsDuMKP6fnWb9i6vsik5Gq6U5dF-NRGH4JJ2kO0Tiihz8tqq39fq58nNm9rL8D09_KSrVAJtKD-QUTZ33yvUkP1ncA5dVqqu-EEiBj_v&uniplatform=NZKPT&language=CHS)

Citation: JIANG H Y, WU J Y, WEN Z Y, et al. Surface doping and humidity sensing of MoS2 field-effect transistor by oxygen plasma treatment[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(2): 130-136.

### [Visible Light-Activated Phosphorescence Systems Co-Assembled by Phenanthroline-Based Molecules with Polyvinyl Alcohol](https://kns.cnki.net/kcms2/article/abstract?v=acR2UJ02YhTRcqjR_Fu4GfCmE0lHYA5qgN1j-4O6pzXaxJ_aESohOgjlqzhjsW8SH6YROWeJ3GWBKcyULzK5uA52AGv57g7d75h6KVS5FpxgHZH_6TcX4p3JqMgT-ExMyp5MDqaogZ8ZX-sk-Pvy6PQ8A_EABmT5TClnGJCqExh_dGD7QQ6ADGkujfUNEaTt&uniplatform=NZKPT&language=CHS)

Citation: ZHANG T G, LIU D L, WU H W. Visible light-activated phosphorescence systems co-assembled by phenanthroline-based molecules with polyvinyl alcohol[J]. *Journal of Donghua University* (*English Edition*), 2024, 41(2): 137-145.