**南京邮电大学导师介绍（国际学生）**

**NJUPT Supervisor Introduction（International Students）**

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| **姓名****Name** | **王瑾****Wang Jin** | **性别****Gender** | **Male** |
| **电话号码****Mobile Phone** | **18066063676** | **邮箱****E-mail** | **jinwang@njupt.edu.cn** |
| **研究方向****Research Direction** | **Optical communication system and devices; Organic and inorganic nano-photonic materials and devices** |
| **主要研究成果****Main Research Results** | **Research focus**:* Basic research, design, development and preparation of organic and inorganic nano-photonic materials and devices;
* Metal-organic framework and anisotropic polymer optical waveguide materials for sensing and photoelectric applications;
* Hybrid integrated photonic devices and technologies based on polymer materials for the next generation optical networks

**Research projects** funded by the National Natural Science Foundation of China, the Natural Science Foundation of Jiangsu Province, the European Union, the Ministry of Science and Education of the German Government and other institutions**Publications:** More than 100 academic papers (50 SCI articles), including 72 first or corresponding authored publications; **Journal publications in recent three years**:[1]. S. Liu, J. Wang, L. Wang, X. Wang, X. Zhou, **J. Wang\***, “Polarized and blue-shifted fluorescent MEH-PPV@MOF synthesized via direct chain-introduction”, Polymer Testing, 111, 107609, July 2022.[2]. L. Wang, S. Wei, X. Wang, Y. Lu, X. Zhou, **J. Wang**\*, “Experimental investigation of optical anisotropy of polymethyl methacrylate aligned by metal–organic framework via in situ polymerization and direct chain-introduction”, Journal of Applied Polymer Science, 139(26), e52471, July 2022. [3]. S. Hu, Y. Xu, Y. Dai, Y., Y. Lu, **J. Wang**\*, “White light-emission based on dye@ZIF-8 crystals encapsulating yellow and blue dyes,” Molecular Crystals and Liquid Crystals, 02.2022. [4]. **J. Wang**\*, Y. Dai, Y. Yu, M. Zhou, Y. Lu, X. Zhou, “Alignment controllable synthesis of MOF films: from Cu(OH)2 nanowire array to highly oriented Cu-MOF film,” Journal of Solid State Chemistry, vol. 306, 122800, Feb. 2022. [5]. **J. Wang**\*, H. Hu, X. Liu, M. Zhou, Y. Lu, X. Zhou, “Feasible polarised white-light emission based on conjugate plane structured yellow/blue dye molecules encapsulated in metal-organic frameworks,” Chemical Communications, vol. 57(76), 9736-9739, Sep. 2021, [6]. **J. Wang**, J. J. Wang, X. Xu, N. N. Ning, Q. F. Liu, Y.Q. Lu, “Dual-polarization operating hybrid plasmonic 2×2 multimode interferometer with mode converter for SOI platform,” J. Modern Optics, vol. 67(20), 1534-1544, Jan. 2021[7]. X. Liu, H. Hu, Y. Liu, Z. Huang, Y. Lu, X. Zhou, **J. Wang**\*, “Experimental investigation on fluorescence polarization properties of isomerical MOF⊃RhB crystals,” Journal of Solid State Chemistry, vol. 284, 121179, Apr. 2020.[8]. Y. Lu, J. Xu, **J. Wang**\*, J. Zheng, “High Sensitivity Plasmonic Metal-Dielectric-Metal Device With Two Side-Coupled Fano Cavities,” Photonic Sensors, vol. 9, pp.205-212, Sep. 2019.[9]. **J. Wang**, N. Ning, Z. Wang, G. Li, J. Xu, Y. Lu, “Compact general interference hybrid-plasmonic multimode interferometers used for optical hybrid,” App. Optics, vol.58, no.19, 5320-5327, July 2019 ( highlighted as an Editor's Pick)[10]. **J. Wang**, Y. Zhang, F. Ye, X. Liu, X. Wang, X. Zhou, Y. Lu, “Enhancement of the orientation of the rigid polymer blocks by incorporating rod-coil block copolymer chain into metal-organic frameworks,” Polymer International, vol. 68(4), pp 772-778, Apr. 2019. (Cover page)[11]. **J. Wang**, Y. Zhang, Y. Yu, F. Ye, Z. Feng, Z. Huang, X. Liu, X. Zhou, “Spectrally Flat White Light Emission Based on Red-Yellow-Green-Blue Dye-Loaded Metal-Organic Frameworks,” Optical materials, 89, pp. 209-213, Mar. 2019 [12]. Y. Lu, M. Xu, J. Xu, Y. Chen, J. Xu, **J. Wang**\*, “Efficient Unidirectional Light Propagation Realized via Asymmetrically Exciting and Transmitting Tamm Plasmon-Polaritons in a Metal-Dielectric-Metal Waveguide,” Optics Communications, vol. 430(1), pp. 428–433, Jan. 2019. [13]. B. Huang, S. Huang, Y. Ding, Y. Sun, Y. Zhao, J. Dong, **J. Wang**\*, “Transistor outline type packaged multi-junction GaAs laser power converter with high output electric power after maximum power point tracking circuit,” J. Optical Technology, vol. 86(1), pp. 75-80, Jan. 2019. |
| **个人简介****Personal Profile** | **Member of IEEE and Optica; Senior member of China Optical Engineering Society and China Optical Society****Education:*** 2003-10 ~ 2008-06, PhD, Electronics and Information Engineering, University of Karlsruhe, Germany,
* 2001-04 ~ 2003-08, Master degree, Electronics and Information Engineering, University of Karlsruhe, Germany
* 1989-09 to 1993-07, Bachelor degree, Information and Electronic Engineering, Zhejiang University, China

**Post doctoral experience:**2008-06 ~ 2010-05, Fraunhofer Institute of Communication, Germany**Academic and work experience**:* Since 2012-01, Professor, College of Telecommunications & Information Engineering, Nanjing University of Posts and Telecommunications
* 2010-06 ~ 2011-12, Researcher fellow, Photonic Devices Department, Fraunhofer Institute of Communication, Germany
* 1993-08 ~ 2001-03, Engineer, Technical Development Department, Shanghai Bell Alcatel Co., Ltd.
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