

2025年民航学院博士国家奖学金材料及加分统计表												
序号	学号	姓名	论文及其他科研成果				获奖及荣誉		素质能力拓展			总分
			论文	科研项目	专利及其他	总分	获奖情况	总分（上限15分）	任职	学术卡	总分（上限10分）	
1	BX2207306	周良	1. Liang Zhou , Huawei Wang. MST-GAT: A multi-perspective spatial-temporal graph attention network for multi-sensor equipment remaining useful life prediction [J]. Information Fusion , 2024, 110, 102462. (SCI一区) (40) 2. Liang Zhou , Huawei Wang, Shanshan Xu. Aero-engine prognosis strategy based on multi-scale feature fusion and multi-task parallel learning [J]. Reliability Engineering and System Safety , 2023, 234, 109182. (SCI一区) (40) 3. Liang Zhou , Huawei Wang. An adaptive multi-scale feature fusion and adaptive mixture-of-experts multi-task model for industrial equipment health status assessment and remaining useful life prediction [J]. Reliability Engineering and System Safety , 2024, 248, 110190.(SCI一区) (40) 4. Liang Zhou , Huawei Wang, Shanshan Xu. An adaptive multi-scale spatial-temporal graph attention ensemble network with physical guidance for remaining useful life prediction of multi-sensor equipment [J]. Reliability Engineering and System Safety , 2025, 262, 111152. (SCI一区) (40) 5. Liang Zhou , Huawei Wang. Multi-task model of adaptive multi-scale feature fusion and adaptive mixture-of-experts for equipment remaining useful life prediction and fault diagnosis [J]. Expert Systems With Applications , 2025, 272, 126807. (SCI一区) (40) 6. Liang Zhou , Huawei Wang, Shanshan Xu. Joint learning strategy of multi-scale multi-task convolutional neural network for aero-engine prognosis [J]. Applied Soft Computing , 2024, 160, 111726. (SCI二区) (28) 7. Liang Zhou , Huawei Wang, Shanshan Xu. Aero-engine gas path system health assessment based on depth digital twin [J]. Engineering Failure Analysis , 2022, 142, 106790. (SCI二区) (28) 8. Liang Zhou , Huawei Wang. Multihorizons transfer strategy for continuous online prediction of time-series data in complex systems [J]. International Journal of Intelligent Systems , 2022, 37, 7706-7735. (SCI三区) (12) 9. 周良 , 王华伟, 许珊珊, 王清薇, 王颖. 基于滑油磨粒聚类分析的航空发动机故障诊断 [J]. 航空发动机 , 2024, 50(06), 113-119. (核心) (2)			270	1. 全国二等奖 , 周良 、张雯璇、任龙禧, 2025年第十五届MathorCup数学应用挑战赛, 中国优选法统筹法与经济数学研究会, 2025年6月 (国家级, 排名第一) (8)	8	1. 实验室负责人、2023.9-2025.9; (2)	2	280	
2	BX2207003	范浩田	1. Haotian Fan ,Hongfa Yu*, Haiyan Ma*, Haoxia Ma,Xiaoqing Chen,Yu Xu, Meng Zhang,Qian Du, Development of New Method for Concrete Carbon Emission Evaluation: The Anti-freezing Durability-Oriented Carbon Emission Indicator (CEI) System and its application in design of low carbon HPC with high durability, [J] Journal of Cleaner Production (SCI一区) (40) 2. Haotian Fan , Hongfa Yu*, Haiyan Ma*, Dynamic increase factor(DIF) of concrete with SHPB tests: Reviewand systematic analysis[J] Journal of Building Engineering ,2023,79; 检索号: https://doi.org/10.1016/j.jobe.2023.107666 (SCI二区) (28) 3. Haotian Fan , Hongfa Yu*, Haiyan Ma, Xiaoqing Chen, Qian Du, Yang Zhao, Wang Weidong, Li Yue, Development of a Carbon Emission Evaluation Method for Pavement Concrete Considering Service Life in Cold Regions and the Design of Low-Carbon Self-Deicing Pavement Concrete[J] Sustainable Materials and Technologies .(SCI二区) (28) 4. Haotian Fan ,Wangcheng Gu,Dongrui Zhou,Song Ge,Pengfeng Xiao,Ping Jiang,Zhongjie Fei*,Triple filtration robot (T-robot) based on functionally graded multilayer antiviral environment-friendly (F-MAX) system for pathogen purification in confined space[J] Sustainable Materials and Technologies , 检索号:https://doi.org/10.1016/j.susmat.2024.e01071(SCI二区) (28) 5. Haotian Fan , Hongfa Yu*, Haiyan Ma ,Xiaoqing Chen, Lingyu Lia, Qian Du, Meng zhang, Haoxia Ma, Chao Wu,Refinement and application of life cycle assessment (LCA) for concrete: Development of a carbon emission metric normalized by salt-freezing durability and its use in designing high-durability, low-carbon, high-performance concrete [J] Sustainable Materials and Technologies .(SCI二区) (28) 6.Haiyan Ma, Haotian Fan* , Hongfa Yu, Xinwen Peng, Effect of using grounded coral sand on hydration and strength development of portland cement paste: Experimental and GEMS modelling investigation[J] Journal of Building Engineering 检索号: https://doi.org/10.1016/j.jobe.2023.106001(SCI二区) (28) 7. Haotian Fan , Hongfa Yu, Yang Zhao, Haiyan Ma, Weridong Wang, Yue Li, Deicing performance of cement pavement concrete mixed with chlorine salt antifreeze material[J] Road Materials and Pavement Design ,2023检索号: https://doi.org/10.1080/14680629.2023.2219752 (SCI三区) (12)	1. 校博士学位论文创新与创优基金, 水泥基复合材料的全寿命周期碳排放评价方法与低碳化设计原理, (批准号: BCXJ24-17), 2023.05-2025.08 (校级, 结题) (3) 2.国家建设高水平公派研究生项目 (202406830100), 国家留学基金委, 2024.07 (国家级, 在研) (7)	1.余红发; 范浩田 ; 王南; 麻海燕; 陈晓青; 高宇宁; 李玲玉。一种岛礁水泥及其制备工艺和应用。 申请号: CN202310856658.1。 2023.11.07 (发明专利公开) (2)	204	1.国家级三等奖: 范浩田 宋姗姗 李玲玉 张敏皎 陈晓青 郭建博, “cleer杯”第一届中国研究生“双碳”创新与创意大赛, 中国学信与研究生教育学会; 获奖日期: 2022.12 (排名第一) (6) 2.国家级三等奖, 陈晓青, 李玲玉, 范浩田 , 冯淼, 薛超凡, 屠燕, 高宇宁, 余伟民, 郭建博, 谭永山(加粗)、江苏省第九届“互联网+”大学生创新创业大赛, 中国国际大学生创新大赛, 2023.12 (排名第三) (3.6) 3.国际级三等奖: 范浩田 , International Conference on Innovation in Low-CarborCement & Concrete Technology (LCCC2024), 学生汇报三等奖。2024.7.10 (排名第一) (9)	15			219	
3	BX2307306	周锦伦	1. Jinlun Zhou , Honghai Zhang, Yike Li, et al. Real-time 4D trajectory planning method for civil aircraft with high security in congested, stochastic, and dynamic airspace environment[J]. Expert Systems with Applications , 2024, 260, 125347. (SCI一区) (40) 2. Honghai Zhang, Jinlun Zhou , Zongbei Shi, et al. DDQNC-P: A framework for civil aircraft tactical synergetic trajectory planning under adverse weather conditions[J]. Chinese Journal of Aeronautics , 2024, 37(12): 434-457. (SCI一区) (40) 3. Jinlun Zhou , Honghai Zhang, Yiyao Liu, et al. Trustworthy flight guidance method for civil aircraft autonomous operation based on 4D trajectory—a case study of COMAC C919[J]. Aerospace Science and Technology , 2025, 167: 110641. (SCI一区) (40) 4. Jinlun Zhou , Honghai Zhang, Mingzhuang Hua, et al. P-DRL: a framework for multi-UAVs dynamic formation control under operational uncertainty and unknown environment, Drones , 2024, 8(9): 475. (SCI三区) (12) 5. 周锦伦 , 张洪海, 李雯清, 推进民航自主运行所需关键技术及其部署方案[J]. 航空学报 , 2025, 46(23): 331998. (重要核心) (6.4)	1.主持研究生创新实验竞赛项目《民机自主运行“感传算控”多功能集成芯片设计与研发》(校级, 结题) (3)	1.张洪海, 周锦伦 ,等. 一种航空器四维爬升航迹规划方法及系统. 专利号: CN202111248553.5. (2024年12月, 发明专利授权) (4) 2. 周锦伦 ,张洪海,等. 一种基于无人机协同编队的无源多点融合定位方法. 专利号: CN202310608046.0. (2025年8月, 发明专利授权) (4) 3. 周锦伦 ,张洪海,等. 一种基于四维航迹的可信引导指令生成方法. 专利号: CN202411635237.7. (发明专利公开) (2) 4. 周锦伦 ,张洪海,石宗北,等. 一种大规模航空器群无冲突自主航迹快速规划方法. 专利号: CN202311793099.0. (发明专利公开) (2) 5. 周锦伦 ,张洪海,等. 一种民机自主运行感传算控机载端计算支持模组. 专利号: CN202422045143.6. (2025年6月 实用新型专利授权) (3) 6.张洪海, 周锦伦 ,等. 空地信息协同的航班飞行计划协商规划软件. 软著登记号: 2024SR1130625. (软著授权) (3) 7. 周锦伦 ,张洪海,等. 民机自主运行机载端航迹空地协商规划与管理软件. 软著登记号: 2024SR1633255. (软著授权) (3) 8. 张洪海, 周锦伦 ,李一可,等. 一种气象规避区最小覆盖椭圆解析参数启发式求解方法. 专利号: CN202311782602.2. (发明专利公开) 9. 张洪海, 周锦伦 ,李一可,等. 一种基于双重深度Q学习的航空器实时协同航迹规划方法. 专利号: CN202311781068.3. (发明专利公开)	162.4	1.2023年11月获“‘华为杯’第二十届中国研究生数学建模竞赛” 二等奖 : (国家级, 排名第一) (8) 2.2023年8月获“江苏省研究生数学建模科研创新实践大赛” 一等奖 : (省级, 排名第一) (6) 3.2023年10月获第九届“中国国际‘互联网+’大学生创新创业大赛” 江苏省三等奖 : (省级, 排名第二) (2.88)	15	1.2024年5月-至今, 任纵向党支部宣传委员: (4) 2.2023年4月至今, 任实验室负责人、安全员。	9次 (0)	4	181.4
4	BX2207002	孙梦圆	1. Mengyuan Sun , Yong Tian, Xumuo Wang, et al. Transport causality knowledge-guided GCN for propagated delay prediction in airport delay propagation networks[J]. Expert Systems with Applications, 2024, 240: 1-19. (1区) (40) 2. Mengyuan Sun , Yong Tian, Jiangchen Li, et al. A review of network delay prediction and advances in large language models for air traffic[J]. Artificial Intelligence Review, Accept, 2025. (1区) (32) 3. Mengyuan Sun , Yong Tian, et al. Carbon policy and its impact on optimizing large-scale green networks for long-term fuel consumption: A unified approach[J]. Journal of Environmental Management, 2025, 392:1-24. (2区) (28) 4. Mengyuan Sun , Yong Tian, Xingchen Dong, et al. A multi-emission-driven efficient network design for hub-and-spoke green airline networks[J]. IET Intelligent Transportation System, 2023. (3区, 已发表) (12) 5. Mengyuan Sun , Yong Tian, Qianqian Li, et al. Exploring causal time-lag relationships in airport networks using a depthwise separable attention network [C]. Washington D.C., USA: The 104rd Annual Meeting of Transportation Research Board, TRB, 2024. (已发表) 6. Mengyuan Sun, Yong Tian, Yue Lv, et al. A Polyhedral Trajectory tube-based three-dimensional sector division in terminal areas considering anomalous trajectories [C]. Washington D.C., USA: The 104rd Annual Meeting of Transportation Research Board, TRB, 2024. (已发表) 7.Mengyuan Sun, Yong Tian, Xiao Huang, Jiangchen Li, et al. Improved delay propagation causality modeling and analysis for airport networks via the second modified transfer entropy method[C]. San Diego, CA, 2023 AIAA Aviation Forum, 12 Jun - 16 Jun, 2023. (已发表) 8.孙梦圆, 田勇, 叶文婧, 李江晨.基于网络的空中交通衍生延误预测方法进展研究[C]//中国科学技术协会, 交通运输部, 中国工程院. 2023年世界交通运输大会论文集, 已发表, 2023. 9.Mengyuan Sun, Yong Tian, Qianqian Li, et al. An optimal efficient network design approach for hub-and-spoke network: system, satisfaction, and CO2 emission reducing [C]. INFORMS Annual Meeting, Phoenix, AZ USA, 2023. 10.孙梦圆, 田勇, 支博, 等. 绿色中枢辐射式航线网络优化设计研究综述[C].第十二届交通运输研究(上海)论坛, 青岛, 2023. 11.Mengyuan Sun, Yong Tian, Xingchen Dong, et al. Reducing aviation emissions through system, satisfaction, and optimizing airline networks [C]. Global Cleaner Production Conference, Shanghai, 2023. (International Conference.) 12.Mengyuan Sun, Yong Tian, et al. Green hub-and-spoke airline networks optimization design[C]. Nanjing, China: International Academic Conference for Graduates, NUA, 2023. (International Conference.) 13.Mengyuan Sun, Yong Tian, Xingchen Dong, Xiao Huang, Jianchen Li. Construction and analysis of airport flight delay propagation network based on modified transfer entropy algorithm[C]. Nanjing, China: International Academic Conference for Graduates, NUA, 2022. (International Conference.) 14.Mengyuan Sun, Yong Tian, Cheng-Lung Wu, Jiangchen Li, Junze Sun. A comprehensive evaluation of air traffic network intelligence [C]. INFORMS International Meeting, Singapore, July 20-23, 2025. 15.Mengyuan Sun, Yong Tian, Cheng-Lung Wu, Jiangchen Li, Daizhen Qiu. Complexity-driven learning for autonomous optimization of air traffic networks [C]. The 28th ATRS WORD CONFERENCE, Hong Kong, July 1-4, 2025. 16. Mengyuan Sun, Yong Tian, Jiangchen Li, et al. AI-Driven complexity learning for adaptive air traffic network optimization [C]. TRA ReGeneration in transport, Aug 4, 2025. 17. 孙梦圆, 田勇, 张婷婷, 等. 中枢辐射式航线网络绿色优化研究进展[C] //中国科学技术协会, 交通运输部, 中国工程院. 2023年世界交通运输大会论文集, 已发表, 2024.	1.国家建设高水平大学公派研究生项目, 主持, 2024.-7-至今. (7) 2.2024年度江苏省研究生科研与实践创新计划项目,主持, 2024.05-至今 (4) 3.2024年校博士学位论文创新与创优基金, 2024.09-至今 (2)	1.发明专利授权: 孙梦圆 , 田勇, 汪许诺, 万莉莉, 叶文婧, 陈锦辉, 牛科新, 梁满佳. 一种航段运行时间最小值确定方法及系统, 专利号: ZL2022107421119.0.授权公告日: 2025.08.01. (4) 2.发明专利授权: 田勇, 孙梦圆 , 彭秋萍, 万莉莉, 李超, 张梦雅. 一种基于绿色航空模型的中枢辐射式航线网络优化设计方法. 专利号: ZL202010999287.9.授权公告日: 2024.12.06. (4) 3.软件著作权授权: 孙梦圆 , 田勇, 万莉莉, 等. 战略与战术阶段空域效能评估系统. 登记号: 2024SR0353143.授权日: 2024.03.05. (3)	149	1.2022年12月: 第一届中国研究生“双碳”创新与创意大赛三等奖: (排名第一, 6) 2.2023年10月: 第二届中国研究生“双碳”创新与创意大赛三等奖: (排名第一,6) 3.2023年11月: 第二届全国仿真应用大赛三等奖 (排名第二, 4.8)	15	2022级博士班副班长	6	170	

5	BX2207304	陈宇豪	1.Yuhao Chen, Jin Wu, Dadi Lin, Pengpeng Yan, Ziyu Ji, Jinzhong Zhao, Jinxing Cheng. Improving water/ice/snow depth accuracy on runway pavement with ultrasonic echo signal analysis[J]. Cold Regions Science and Technology, 2025. 235, 104492. (SCI二区)(28) 2.Yuhao Chen, Jin Wu, Dadi Lin, Xing Zhao, Lifang Zhang. Research on dynamic response of vertical displacement of runway pavement slab end under aircraft taxiing using novel FBG sensors[J]. Measurement, 2025, 243, 116296. (SCI二区)(28) 3.Yuhao Chen, Jin Wu, Yinhui Wu, Yifeng. Comparison of Aircraft Braking Performance on Wet and Snowy Runway Using BPN Test, CEL Numerical Simulation and LSTM Deep Learning[J]. Cold Regions Science and Technology. 2025, 240: 104617.(SCI二区)(28) 4.Yuhao Chen, Jin Wu, Xiaoxia Lu, Rui Zhang, Xiangyu Wang. Analysis of Anti-skid Capability and Braking Performance of Snow-covered Runway Pavement Using Modified Lugre Model and CEL Numerical Simulation[J]. Journal of Traffic and Transportation Engineering(English Edition).2025. (SCI二区)(22.4) 5.Yuhao Chen, Jin Wu, Xiaoxia Lu, Dadi Lin, Yiwen Wang. Water/Ice/Snow Depth Detection Technology on Road and Airport Runway Pavement Surface: A Literature Review[J]. Transportation Research Record,2025. (SCI四区)(12) 6.Yuhao Chen, Jin Wu, Xing Zhao. Monitoring of Vertical Displacement of Concrete Slab End at Pavement Joint Based on FBG-Dowel Bar Signal[J]. Journal of Transportation Engineering. Part B: Pavements, 2022, 148(2):04022012. (SCI四区)(12) 7.陈宇豪, 吴瑾, 李懿峰. 利用TV-BAKF法提高道面覆盖物超声回波信号 ToF精度. 浙江大学学报(工学版). 2025, 59(12): 1-14.(EI)(3.2) 8.Yuhao Chen, Jin Wu.Application of Sensors Data-Driven Method for Evaluating Airport Runway Conditions[C].2025.(EI国际会议)(1) 9.Yuhao Chen, Jin Wu, Xiaoxia Lu.A Sensors Data-driven Method for Assessing Airport Runway Conditions[C].2024.(IEEE国际会议)(1) Yuhao Chen, Jin Wu. Research and Application of Runway Weather Condition Detection and Airworthiness Assessment Technology[C].2024. (EI会议)(1)	省级项目, 2025年江苏省研究生创新计划项目(批准号: KYCX25_0616), 2025.3-2026.3. 主持人(4)	1.陈宇豪, 吴瑾,赵杏. 适用于机场道面接缝结构错台监测系统及监测方法[P]. 江苏省: CN112880578A,2022-06-01.(发明授权)(4) 2. 陈宇豪, 杨桂新, 吴瑾, 张丽芳, 赵杏, 赵金忠. 基于超声波技术的车载式机场跑道污染物检测方法[P]. 江苏省, 2024.11745151X. (发明公开)(2) 3 陈宇豪, 吴瑾; 赵杏; 张丽芳; 汪一文. 适用于机场跑道水深检测系统[P]. 江苏省, CN202410855836.3. (发明公开)(2)	148.6						148.6
6	BX2107902	胡寅道	1.Yinxiao Hu, Hui Jin, Hongjuan Ge, et al. Failure decomposition based on the general time sequences for cold standby systems[J]. Reliability Engineering & System Safety, 2026,265:111623. (SCI一区, 第一作者, 2025.8.25录用, 40分) 2.Yinxiao Hu ,Haoqi Yang ,Hongjuan Ge, et al. Life prediction and risk assessment on the aircraft cable based on thermal damage features[J]. Eksploatacja i Niezawodność- Maintenance and Reliability, 2024,26(4): 191696. (SCI三区, 第一作者, 12分) 3.Yinxiao Hu, Hongjuan Ge, Pei He, et al. Research and verification on parameter solution of mixed shock model for common cause failure based on particle swarm algorithm[J].Quality and Reliability Engineering International,2024,40(6):3340-3351. (SCI三区, 第一作者, 12分) 4.Yinxiao Hu, Hui Jin, Yufan Wang, et al. Common cause failure probability analysis method and its application to more electric aircraft electrical power systems[J]. International Journal of Power and Energy Systems,2024,44(10):1-8. (SCI四区, 第一作者, 12分) 5.胡寅道, 王宁悦, 葛红娟, 等. 高低温和水平突风条件下舱门变形适航仿真验证方法研究[J]. 测控技术, 2022, 41(01): 35-39+50. (中文核心, 第一作者, 2分)	1.国家留学基金委国家建设高水平大学公派研究生项目(202406830097)(国家级在研, 7分); 2.江苏省研究生科研与实践创新计划: 航空机载设备共因失效建模与定量评估方法研究(KYCX23_0390)(省级已结题, 6分)。	[1]王语凡,胡寅道,葛红娟.考虑共因失效的系统失效率修正软件[P].2024SR1121252.2024-08-15.(3分) [2]陈昕冉, 胡寅道, 葛红娟, 等. 基于MATLAB GUI航空电感性传感器温度漂移数据分析软件[P].2022SR0880463.2022-05-03. (3分) [3]吴哲铭, 胡寅道, 葛红娟, 等. 基于模糊DEMATEL方法的多电飞机起动发电系统安全性评估软件[P].2022SR0574511. 2022-03-07. (3分)	100	1.“华为杯”第二十届中国研究生数学建模竞赛, 国家级三等奖, 排名第三(10*1*0.6*0.6=3.6分); 2.“华为杯”第十八届中国研究生数学建模竞赛, 国家级三等奖, 排名第一(10*1*0.6*1=6分); 3.第四届“空天杯”创新创业大赛, 国家级二等奖, 排名第二(10*1*0.8*0.8=6.4分); 4. 2021年江苏省普通高等学校优秀本专科毕业论文(设计)三等奖, (6*1*0.6*1=3.6分)。 5.南京航空航天大学国家安全知识竞答活动优胜奖, 2023.11(2*1*0.6*1=1.2分) 6.2025年南京航空航天大学优秀团员(2分)	15	1.2021年9月~2023年6月博士班主任(8分)		8	123