

2026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	BZ2307301	屠燕	1.Yan Tu, et al. Aircraft arrestment response prediction in EMAS using a strain-rate-dependent foam glass constitutive model. Aerospace Science and Technology.Volume 178, 4 July 2026, 113132. (已发表, SCI一区) (WOS:001822098700001) (40) 2.Yan Tu, et al. Multiscale characterization and dynamic impact response of foam glass: A sustainable alternative for engineered material arresting systems. Aerospace Science and Technology.Volume 175, 23 February 2026, 111985.(已发表, SCI一区) (WOS:001704517700001) (40) 3.Yan Tu, et al. Study on the feasibility of using foam glass in Engineered Materials Arresting System. Construction and Building Materials. Volume 483, 11 July 2025, 141847.(已发表, SCI一区) (WOS:001496527800010) (40) 4.Yan Tu, et al. Long-term study on the mechanical properties of the ITZ in coral aggregate concrete and its impact on material durability. Construction and Building Materials. Volume 449, 25 October 2024, 138255.(已发表, SCI一区) (WOS:001317735500001) (40) 5.Haiyan Ma, Yan Tu, et al. Mechanical properties and microstructural characteristics of coral-aggregate-concrete ITZ: Experimental study. Journal of Building Engineering. Volume 72, 1 August 2023, 106647.(已发表, SCI二区) (WOS:001053071400001) (28) 6.Yan Tu, et al. Developing green environmental protection concrete for engineered material arresting system. 第二届低碳水泥混凝土技术国际会议 (ILCCC2024) , 2024.7.8-2024.7.10. (0.8)	1.国家建设高水平公派研究生项目, 主持, 2026.3-至今 (7) 2.中国科协青年科技人才培养工程博士生专项计划, 主持, 2025.12-至今 (7) 3.2024年度江苏省研究生科研与实践创新计划项目,主持, 2024.06-2025.12, 结题 (6)	1. 柳锦春, 屠燕, 任鑫鑫.《一种主被动相结合的飞机跑道拦阻系统及方法》公开号: CN119207175A 公开日期: 2024.12.27 (2)	210.8	1.中国国际大学生创新创业大赛铜奖 (2023, 国家级, 排名6/15) 2.南京航空航天大学大学生创新大赛二等奖 (2025, 校级, 排名1/3) 3.第二届南海岛礁工程环境力学全国学术会议优秀报告二等奖 (2025.10)	15 (13.2)	1. 班长		8	232
2	BX2307309	侯召国	1.Hou Z G, Wang H W, Xiong M L, et al. Highly imbalanced intelligent identification of civil aviation maintenance hazards based on text mining and selective ensemble modeling [J]. Engineering Applications of Artificial Intelligence, 2026, 173: 114403. (SCI收录, 中科院1区, Top期刊, WOS:001714988200001, 检索时间为2026年3月18日) (计40分) (40) 2.Hou Z G, Wang H W, Xiong M L, et al. Topic mining and evolution analysis of civil aircraft operational risk factors: A novel domain-adapted BERTopic framework [J]. Reliability Engineering and System Safety, 2026, 272: 112600. (SCI收录, 中科院1区, Top期刊, WOS:001729977000001, 检索时间为2026年4月3日) (计40分) (40) 3.Hou Z G, Wang H W, Xiong M L, et al. Towards trustworthy civil aviation hazards identification: An uncertainty-aware deep learning framework [J]. Advanced Engineering Informatics, 2025, 65: 103280. (SCI收录, 中科院1区, Top期刊, WOS:001459559800001, 检索时间为2025年4月10日) (计40分) (40) 4.Hou Z G, Wang H W, Yue Y B, et al. A novel method for cause portrait of aviation unsafe events based on hierarchical multi-task convolutional neural network [J]. Expert Systems With Applications, 2025, 270: 126466. (SCI收录, 中科院1区, Top期刊, WOS:001402271200001, 检索时间为2025年1月28日) (计40分) (40) 5.Hou Z G, Wang H W, Yue Y B, et al. A novel framework based on two-stage multi-view feature optimization and improved support vector data description for aeroengine bearing early fault detection [J]. Reliability Engineering and System Safety, 2024, 245: 110027. (SCI收录, 中科院1区, Top期刊, WOS:001207617700001, 检索时间为2024年4月28日) (计40分) (40) 6.Hou Z G, Xiong M L, Wang H W, et al. Civil aviation safety risk intelligent early warning model based on text mining and multi-model fusion [J]. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2023, 237(10): 2402-2427. (SCI收录, 中科院4区, WOS:000961249900001, 检索时间为2023年4月19日) (计12分) (12) 7.侯召国, 王华伟, 熊明兰, 等. 基于迁移学习与加权多通道融合的齿轮箱故障诊断 [J]. 振动与冲击, 2023, 42(09): 236-246. (EI收录, CSCD:7493500, 检索时间为2023年6月22日) (计1分) (1)	1.江苏省研究生科研与实践创新计划项目, 国产民机的运行支持能力成熟度研究 (批准号: KYCX24_0599) , 2024.05-2026.04, 主持人, 结题项目。 (计6分) (6)	1.侯召国, 岳瑜斌, 郭佳怡, 等. 一种基于自适应多任务神经网络的民机运行风险成因画像方法, 专利公开号为CN121880564A, 公开日期为2026年4月17日. (计2分) (2) 2.王锦, 侯召国, 郭佳怡, 等. 基于多综合维度的可靠性关键设备确定模型软件V1.0, 软件著作权登记号为2026SR0820934, 授权日期为2026年8月10日. (计3分) (3)	227.8	0	1.实验室负责人, 2023.09-至今. (计2分)	0.4	2.4	230.2	

3	BX2307301	袁佳	1. Jia Yuan, Quan Shao, Jianhong Sun. Safety assessment and operational boundary modeling for rescue aircraft in forest fire environments via spatiotemporal graph learning [J]. Aerospace Science and Technology, 2026, 169: 111464. 检索号: https://doi.org/10.1016/j.ast.2025.111464 (SCI一区) (40) 2. Jia Yuan, Quan Shao, Jianhong Sun. Helicopter trajectory planning method based on improved IRRT*-D* algorithm in forest fire rescue scenarios [J]. Advanced Engineering Informatics, 2026, 69: 103947. 检索号: https://doi.org/10.1016/j.aei.2025.103947 (SCI一区) (40) 3. Jia Yuan, Quan Shao, Jianhong Sun. Game-based task scheduling framework for manned-unmanned multi-aircraft forest firefighting missions under spatiotemporal constraints [J]. Aerospace Science and Technology, 2026, 178: 113295. 检索号: https://doi.org/10.1016/j.ast.2026.113295 (SCI一区) (40) 4. Jia Yuan, Quan Shao, Jianhong Sun, et al. Research on prevention and control strategies for passenger group events due to flight delays based on multi-agent modelling [J]. Travel Behaviour and Society, 2025, 41: 101077. 检索号: https://doi.org/10.1016/j.tbs.2025.101077 (SCI一区) (40) 5. Jia Yuan, Quan Shao, Jianhong Sun, et al. Dynamic task allocation of heterogeneous aircraft for wildfire suppression via deep reinforcement learning [J]. European Journal of Operational Research, 2026, 336. 检索号: https://doi.org/10.1016/j.ejor.2026.06.040 (SCI二区) (28) 6. 袁佳, 朱培, 彭晓琳, 邵荟, 张剑高. 元胞自动机与智能体融合的森林火灾扑救策略优化 [J]. 科学技术与工程, 2025, 25(11), 4483–4488. (EI) (4)	1. 国家建设高水平大学公派研究生项目 (202406830098), 主持, 2024.10-2025.10 (国家级, 结题) (10) 2. 江苏省研究生科研实践创新计划项目 (26CXJH0964), 主持, 2026.05至今 (省部级, 在研) (4)	1. 邵荟, 袁佳 等. 一种基于差分进化与自适应拍卖的森林火灾空地协同资源调度方法, CN122198679A (发明专利公开) (2) 2. 袁佳, 邵荟 等. 一种基于深度强化学习的异构航空器森林火灾救援动态任务分配方法, CN122198211A (发明专利公开) (2)	207.6		15	1. 2026年3月至今, 任纵向党支部纪检委员	2	224.2
4	BX2307302	刘豪	1. Liu H, Sun Y, Wang X, et al. NPFormer: Interpretable rotating machinery fault diagnosis architecture design under heavy noise operating scenarios [J]. <i>Mechanical Systems and Signal Processing</i>, 2025, 223: 111878. (一区, 已发表, WOS: 001443281900001) (40) 2. Liu H, Sun Y, Wang X, et al. Operating condition feature representation-based Fourier graph network for civil aircraft state estimation[J]. <i>Reliability Engineering and System Safety</i>, 2025, 111085. (一区, 已发表, WOS:001468534400001) (40) 3. Liu H, Sun Y, Wang X, et al. Degree bias mitigation and noise robustness for rotating machinery fault detection [J]. <i>Mechanical Systems and Signal Processing</i>, 2025, 239: 113338. (一区, 已发表 WOS:001572845500001) (40) 4. Liu H, Sun Y, Wang H, et al. CTNet: Improving the non-stationary predictive ability of remaining useful life of aero-engine under multiple time-varying operating conditions [J]. <i>Measurement</i>, 2025, 243:116345. (二区, 已发表, WOS: 001374624600001) (28) 5. Liu H, Sun Y, Ding W, et al. Enhancing non-stationary feature learning for remaining useful life prediction of aero-engine under multiple operating conditions [J]. <i>Measurement</i>, 2024, 227: 114242. (二区, 已发表, WOS:001179042500001) (28) 6. 刘豪, 孙有朝, 吴红兰, 等. 复杂光照环境下民用飞机飞行员关键点检测方法 [J]. <i>北京航空航天大学学报</i>, 2025, 51(10): 3471-3481. (中文EI, 以发表) (4)	1. 校级, 博士学位论文创新与创优基金, (批准号: BCXJ25-16), 2025.06-2026.11, 主持人. (2)	1. 刘豪、孙有朝、吴红兰, 某无人运输机运行场景分析及风险评估系统V1.0, 登记号: 2025SR1541666, 授权 (排名第一) (3)	185		2			187
5	BZ2307002	邓健	1. 邓健, 张洪海, Zhang Yuetan, et al. UAV Trajectory optimization method based on improved grey wolf optimizer with hybrid strategy. <i>Journal of King Saud University Computer and Information Sciences</i>, 2026, 38(2):69. (SCI, 中科院二区) (28) 2. 邓健, 张洪海, Feng Dikun, et al. Multi-objective UAV trajectory planning algorithm based on the hybrid MS-NSGA2 strategy. <i>Journal of King Saud University Computer and Information Sciences</i>, 2026, 38(6): 562. (SCI, 中科院二区) (28) 3. 邓健, 张洪海, Shi Zongbei, et al. Multi-objective trajectory planning for air-ground collaborative logistics UAVs oriented towards dynamic logistics demands. <i>Journal of King Saud University Computer and Information Sciences</i>, 2026, 38(8): 858. (SCI, 中科院二区) (8.18录用, 9.16见刊, 2840, 8-22, 4) 4. 邓健, 张洪海, Zhang Yuetan, et al. Research on Trajectory Planning for a Limited Number of Logistics Drones (≤3) Based on Double-Layer Fusion GWOP. <i>Drones</i>, 2025, 9(10):671. (SCI, 中科院三区) (12) 5. 邓健, 张洪海, Liu Zeyu, et al. UAV path planning optimization algorithm based on an improved dung beetle optimization algorithm with a mixed strategy. <i>Cluster Computing</i>, 2026, 29(10): 603. (SCI, 中科院三区) (12) 6. 邓健, 张洪海, Zhang Yuetan, et al. A Method for UAV Path Planning Based on G-MAPONet Reinforcement Learning. <i>Drones</i>, 2025, 9(12):871. (SCI, 中科院三区) (12) 7. 邓健, 张洪海, Hua Mingzhuang, et al. Multi-Objective Trajectory Planning Method for Air - Ground Collaborative Logistics UAVs Under Preemptive Scheduling. <i>Drones</i>, 2026, 10(9):645. (SCI, 中科院三区) (12) 8. 邓健, 张洪海, 华明壮, 等. MODDPG - NSGA2 双层架构: 面向动态场景的物流无人机多目标优化方法[J]. <i>工程科学学报</i>, 2025, 47(12): 2510-2526. (EI) (4) 9. 邓健, 张洪海, 张越覃, 等. 低空物流无人机分层协同关键技术研究进展[J]. <i>工程科学学报</i>, 2026, 48(04): 816-832. (EI) (4) 10. 邓健, 张洪海, 孙雅茹, 等. 混合策略改进蝗虫算法及其无人机航迹规划应用 [J]. <i>计算机工程与应用</i>, 2026, 62(18): 84 - 97. (EI) (4)	1. 2024.07-2025.07, 主持研究生创新实验竞赛培育项目“空地协同的城市低空物流无人机全自主运行智能避障技术与装置”: (3)	1. 张洪海, 邓健, 等. 一种城市低空无人机自主航路偏离检测方法. (已公开, 申请号: CN202411567096.X) (2) 2. 张洪海, 邓健, 等. 一种城市低空无人机航路自主调配方法. (已公开, 申请号: CN202510218583.3) 3. 张洪海, 邓健, 等. 基于MODDPG-NSGA2 双层架构的物流无人机多目标优化方法. (已公开, 申请号: CN202510916409.6) 二作发明专利认可一项	143.4		0.2	0.2	143.6	

6	BZ2307302	马心宇	•Ma, X., Li, Y., Zhang, J., 2026. A biomechanics-informed nonlinear dynamic model for seated occupant exposed to vertical vibration and impact. Mechanical Systems and Signal Processing 254, 114410. (中科院一区TOP期刊, if=10.2) (40) •Ma, X., Li, Y., Zhang, J., Cao, Y., Zhou, M., 2026. Sensitivity analysis of a forward nonlinear biodynamic muscle-soft tissue-seat system for helicopter occupants under vibration and impact loads in airworthiness certification. Aerospace Science and Technology 168, 110819. (中科院一区TOP期刊, if=6.5) (40) •Ma, X., Li, Y., Cao, Y., Zhou, M., 2025. A nonlinear biodynamic model of helicopter seat: ATD system exposed to vertical impact for predicting the risk of injury in airworthiness certification. Nonlinear Dynamic 113, 6197–6233. (中科院二区TOP期刊, if=5.2) (38) •曹愈远,马心宇,王景霖等,载人cVTOL乘员保护系统适航性与乘员损伤评估, 交通运输工程学报,1-27.(重要核心, if=3.4) (8)	1. 江苏省科研与实践创新计划, 基于生物力学的航空座椅乘员系统适航性动力学建模仿真(批准号: SJCX25_0158), 2025.6-2026., 主持人, 已结题。(4) 2. 国家建设高水平大学公派研究生项目, 2026-2027, 主持人, 已立项。(7)	马心宇,李艳军,等一种载人cVTOL乘员保护系统的适航性与损伤评估方法(发明专利公开, 202610928414.3) (2)	129	1.校级, 张栋, 陈家辉, 马心宇, 孙百康, 第十八届“挑战杯”全国大学生课外学术科技作品竞赛校内选拔赛、校二等奖, 民航峰窝复合材料智能敲击检测系统, 校团委, 2023年09月04日(排名第3)。 2.省级, 张栋, 陈家辉, 周茂辉, 马心宇, 等, 第九届中国“互联网+”大学生创新创业大赛江苏省选拔赛、省三等奖, 基于乘员保护及微环境控制的智能民航座椅设计, 江苏省“互联网+”大学三创新创业大赛组委会, 2023年10月(排名第4)。	3.12	1013实验室负责人	0	2	134.12
7	BX2307303	黄满	1.Xiao Huang, Yong Tian, Jiangchen Li, et al. Joint autonomous decision-making of conflict resolution and aircraft scheduling based on triple-aspect improved multi-agent reinforcement learning [J]. Expert Systems with Applications, 2025, 275: 127024. (已发表, SCI一区) 40 2.Xiao Huang, Yong Tian, Naizhong Zhang, et al. 5G-based collaborative trajectory following modeling and enhancement in connected and automated airspace environment [J]. iScience, 2024, 27 (12), 111361. (已发表, SCI二区) 28 3.Huang X, TIAN Y., et al. Autonomous Conflict Resolution (AutoCR) Based on Improved Multi-agent Reinforcement Learning[J]. Transactions of Nanjing University of Aeronautics & Astronautics, 2025.(S)91-101. (已发表, EI) 4 4.Xiao Huang, Yong Tian, et al. Joint Autonomous Decision-Making for Conflict Resolution and Aircraft Scheduling Using Enhanced Multi-Agent Reinforcement Learning [C]. The 104th Annual Meeting of Transportation Research Board (TRB 2025), 2025, Washington D.C., USA. (已发表, 国际会议) 1*0.8 5.Xiao Huang, Yong Tian, et al. Time-Delayed Aircraft-Following Modeling and Stability Analysis Considering both Air-to-air Communication Performance and Attention Distribution in a Connected Flow Corridor Environment [C]. The 103rd Annual Meeting of Transportation Research Board (TRB 2024), 2024, Washington D.C., USA. (已发表, 国际会议) 1*0.8 6.Xiao Huang, Yong Tian, et al. A Hierarchical Risk-aware Trajectory Planning Framework for UAVs in Complex Urban Low-Altitude Airspace [C]. The 105th Annual Meeting of Transportation Research Board (TRB 2026), Washington D.C., USA, Jan. 2026. (已发表, 国际会议) 1*0.8 7.Xiao Huang, Yong Tian, et al. Autonomous conflict resolution (AutoCR) based on improved multi-agent reinforcement learning [C]. The 12th International Academic Conference for Graduates, Nanjing, CN, Nov. 2024, 2024 (7): 269-276. (已录用, 优秀论文, 国际会议) 1*0.8 8.Xiao Huang, Yong Tian, et al. Analysis of Flight Operation Characteristics Based on DBSCAN and K-Means [C]. International Conference on Smart Transportation and City Engineering (STCE 2023), 2024, Chongqin, CN. (已	1.国家级, 国家建设高水平大学公派研究生项目, 基于学习的城市低空无人机端到端路径规划方法(批准号: 202506830067), 2025.05, 主持人, 在研. 7 2.省级, 江苏省研究生科研与实践创新计划项目, 面向城市“飞联网”的低空无人机自主运行决策技术研究(批准号: KYCX25_0621), 2025.05-2026.09, 主持人, 在研. 4 3.校级, 南京航空航天大学博士生国际学术交流基金, 基于增强多智能体强化学习的冲突解脱和飞机调度联合自主决策, 2024.12, 主持人, 已结项. 3 4.校级, 南京航空航天大学2024年度“研究生创新实验竞赛”培育项目, 面向城市“飞联网”的低空无人机全自主运行系统设计与研发, 2024.11-2025.11, 主持人, 在研. 3 5.校级, 南京航空航天大学研究生拔尖创新人才培养“引航计划”五期跨学科创新基金项目, 面向低空经济的无人机协同调度与管控技术研究(批准号: KXXCKJ_202507), 2025.03-2026.03, 主要成员, 结项. 3*0.3	1.黄满, 田勇, 万莉莉, 等. 计算机软件著作权, 软件名称: 航班运行静态与动态特征分析平台V1.0. 授权号: 2023SR0023199, 授权. 3 2.田勇, 黄满, 万莉莉, 等. 计算机软件著作权, 软件名称: 航路网络运行效能评价系统平台V1.0. 授权号: 2024SR0039225, 授权(排名第二, 导师第一-), 3 3.黄满, 田勇, 万莉莉, 等. 一种无人机飞行冲突解脱方法. 项目公开号: CN120871948A. 2 4.黄满, 田勇, 万莉莉, 等. 一种空中交通稳定性控制方法. 项目公开号: CN120977148A. 2	109.7	1.2023年12月获“中国光谷·华为杯”第二十届研究生数学建模竞赛二等奖, 国家级, 本人排名: 第一10 2.2023年6月获2023年第十三届 MathorCup高效数学建模挑战赛二等奖, 国家级, 本人排名: 第一10 3.2023年10月获第二届中国研究生“双碳”创新与创意大赛三等奖, 国家级, 本人排名: 第三3.6 4.2022年10月获第一届中国研究生“双碳”创新与创意大赛三等奖, 国家级, 本人排名: 第三3.6 5.2023年7月获2022年度江苏省普通高等学校本专科优秀毕业论文(设计)三等奖, 省级, 本人排名: 第一3.6 6.2023年11月获第二届全国仿真创新应用大赛, 数字建模与智能决策赛道智能决策方向研究生组江苏省三等奖, 省级, 本人排名: 第一3.6 7.2024年10月获南京航空航天大学第十二届研究生国际学术会议优秀论文奖, 校级, 本人排名: 第一2	15	1.博士生导师, 2024.9-2025.9	1.4	9.4	134.1