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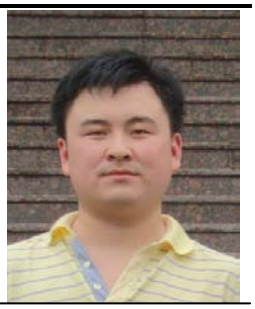

简介：

王金亮，教授，博士生导师，IEEE Senior Member，北京航空航天大学控制理论与控制工程专业博士毕业。**天津市人才发展特殊支持计划“青年拔尖人才”，天津市特聘教授青年学者，天津市“131”创新型人才培养工程第二层次人选，入选天津市高校“中青年骨干创新人才培养计划”，2020-2021年度天津市工程专业学位优秀指导教师，2020-2021年度天津市工程专业学位硕士研究生优秀学位论文指导老师，2019年度天津市工程专业学位硕士研究生优秀学位论文指导老师，天津工业大学研究生“课程思政”教学名师，天津工业大学第三届“我最喜爱的研究生导师”，北京航空航天大学优秀博士学位论文等。**中国自动化学会分数阶系统与控制专业委员会委员、中国自动化学会青年工作委员会委员、中国人工智能学会神经网络与计算智能专业委员会委员、中国指挥与控制学会网络科学与工程专业委员会委员、担任IEEE SSCI 2019的Symposium Chair。

先后**主持国家自然科学基金面上项目2项，国家自然科学基金青年基金1项，天津市自然科学基金一般项目1项，天津市自然科学基金青年项目1项，中国高校产学研创新基金1项**；以第一作者和通讯作者身份在Automatica、IEEE TNNLS、IEEE TC、IEEE TCNS、IEEE TSMCS、IEEE TNSE、IEEE TCASII等国际知名SCI期刊上发表科研论文**80余篇**；**以第一作者身份在Springer出版社出版3本英文学术专著**；**累计被引用2700余次**(Google Scholar统计，只统计以第一作者发表的论著)，**H指数28**；**SCI严格他引1500余次，单篇SCI严格他引最高次数为143次**。

入选**2022全球学者学术影响力排行榜（论文总评分排名83795, 论文篇均评分排名42227)**；入选**2022年全球前2%顶尖科学家榜单“年度科学影响力排行榜”**；担任 SCI 期刊 **Neurocomputing**、**International Journal of Adaptive Control and Signal Processing**和**Complex & Intelligent Systems的编委**；2016年曾担任**SCI期刊Neurocomputing的客座主编**；担任国家自然科学基金的通讯评审专家以及全国研究生教育评估检测专家库专家。

已指导毕业硕士14人：在培养的硕士生中，1人赴澳大利亚悉尼科技大学攻读博士学位(获CSC全额奖学金资助)，6人分别到北京航空航天大学、东南大学、湖南大学攻读博士学位；11人获得**硕士研究生国家奖学金**、2人的硕士毕业论文被评为**天津市工程专业学位硕士研究生优秀学位论文**、1人获得**天津市研究生科研创新项目**立项。目前在读硕士13人，在读博士3人(其中机械1人，数学1人，电子信息1人)。

主持的项目：

★ 国家自然科学基金面上项目“多耦合分数阶复杂网络的动力学行为分析与控制”(No. 62173244，2022.01-2025.12，75.4万)

★ 国家自然科学基金面上项目“复杂网络推广的无源性及其在多智能体系统中的应用”(No. 61773285，2018.01-2021.12，76万)

★ 国家自然科学基金青年基金“耦合反应扩散神经网络的同步分析与控制”(No. 61403275，2015.01-2017.12，23万)

★ 天津市第三批人才发展特殊支持计划青年拔尖人才(津人才[2019]11号, 100万)

★ 天津市第一批特聘教授青年学者 (津教委办[2018]58号, 50万)

★ 天津市自然科学基金一般项目“输入和输出维数不同的复杂网络的有限时间无源性”(No. 19JCYBJC18700, 2019.04-2022.03, 10万)

★ 天津市自然科学基金青年项目“复杂网络的无源性分析、控制与应用”(No.15JCQNJC04100，2015.04-2018.03，6万)

★ 中国高校产学研创新基金无人集群协同智能项目“多机器人系统的滞后一致性控制”(No.2021ZYA01001, 2022.07-2024.06，20万)

学术专著：

◇ **J. -L. Wang**, H. -N. Wu, and S. -Y. Ren, Passivity of complex dynamical networks: analysis, control and applications, **Springer**, ISBN: 978-981-33-4287-3, 2021.

◇ **J. -L. Wang**, H. -N. Wu, T. Huang, and S. -Y. Ren, Analysis and control of output synchronization for complex dynamical networks, **Springer**, ISBN: 978-981-13-1352-3, 2019.

◇ **J. -L. Wang**, H. -N. Wu, T. Huang, and S. -Y. Ren, Analysis and control of coupled neural networks with reaction-diffusion terms, **Springer**, ISBN: 978-981-10-4907-1, 2018.

代表性论文（IEEE汇刊30篇，Automatica1篇）

1. **J. -L. Wang,** X. Han, and T. Huang, “PD and PI control for the lag consensus of nonlinear multiagent systems with and without external disturbances”, ***IEEE Transactions on Cybernetics***, doi: 10.1109/TCYB.2023.3244947, 2023. (**IF: 19.118，中科院 1 区, Top 期刊**)
2. **J. -L. Wang,** H. -Y. Wu, T. Huang, and S. -Y. Ren, “Finite-time synchronization and H_infinity synchronization for coupled neural networks with multistate or multiderivative couplings”, ***IEEE Transactions on Neural Networks and Learning Systems***, doi: 10.1109/TNNLS.

2022.3184487, 2022. (**IF: 14.255, 中科院 1 区, Top 期刊**)

3. **J. -L. Wang,** L. -H. Zhao, H. -N. Wu, and T. Huang, "Finite-time passivity and synchronization of multi-weighted complex dynamical networks under PD control", ***IEEE Transactions on Neural Networks and Learning Systems***, doi: 10.1109/TNNLS.2022.3175747, 2022. (**IF: 14.255, 中科院 1 区, Top 期刊**)
4. **J. -L. Wang,** X. -X. Zhang, G. Wen, Y. Chen, and H. -N. Wu, "Passivity and finite-time passivity for multi-weighted fractional-order complex networks with fixed and adaptive couplings", ***IEEE Transactions on Neural Networks and Learning Systems***, vol. 34, no. 2, pp. 894-908, 2023. (**IF: 14.255, 中科院 1 区, Top 期刊**)
5. **J. -L. Wang,** L. Wang, and H. -N. Wu, "Synchronization for complex networks with multiple state or delayed state couplings under recoverable attacks", ***IEEE Transactions on Systems, Man and Cybernetics: Systems***, vol. 53, no. 1, pp. 38-48, 2023. (**IF: 11.471, 中科院 1 区, Top 期刊**)
6. **J. -L. Wang**, Q. Wang, H. -N. Wu, and T. Huang, "Finite-time output synchronization and H_infinity output synchronization of coupled neural networks with multiple output couplings", ***IEEE Transactions on Cybernetics***, vol. 51, no. 12, pp. 6041-6053, 2021. (**IF: 19.118, 中科院 1 区, Top 期刊**)
7. **J. -L. Wang**, D. -Y. Wang, H. -N. Wu, and T. Huang, "Finite-time passivity and synchronization of complex dynamical networks with state and derivative coupling", ***IEEE Transactions on Cybernetics***, vol. 51, no. 7, pp. 3845-3857, 2021. (**IF: 19.118, 中科院 1 区, Top 期刊**)
8. **J. -L. Wang** and L. -H. Zhao, "PD and PI control for passivity and synchronization of coupled neural networks with multi-weights", ***IEEE Transactions on Network Science and Engineering***, vol. 8, no. 1, pp. 790-802, 2021. (**IF: 5.033 , 中科院 2 区, Top 期刊**)
9. **J. -L. Wang**, D. -Y. Wang, H. -N. Wu, and T. Huang, "Output synchronization of complex dynamical networks with multiple output or output derivative couplings", ***IEEE Transactions on Cybernetics***, vol. 51, no. 2, pp. 927-937, 2021. (**IF: 19.118, 中科院 1 区, Top 期刊, ESI-Highly Cited Paper**)
10. **J. -L. Wang**, S. -H. Qiu, W. -Z. Chen, H. -N. Wu, and T. Huang, "Recent advances on dynamical behaviors of coupled neural networks with and without reaction-diffusion terms", ***IEEE Transactions on Neural Networks and Learning Systems***, vol. 31, no. 12, pp. 5231-5244, 2020. (**IF: 14.255, 中科院 1 区, Top 期刊**)
11. **J. -L. Wang**, Q. Wang, H. -N. Wu, and T. Huang, "Finite-time consensus and finite-time H_infinity consensus of multi-agent systems under directed topology", ***IEEE Transactions on Network Science and Engineering***, vol. 7, no. 3, pp. 1619-1632, 2020. (**IF: 5.033 , 中科院 2 区, Top 期刊**)

12. **J. -L. Wang,** X. -X. Zhang, H. -N. Wu, T. Huang, and Q. Wang, "Finite-time passivity of adaptive coupled neural networks with undirected and directed topologies", ***IEEE Transactions on Cybernetics***, vol. 50, no. 5, pp. 2014-2025, 2020. (**IF: 19.118, 中科院 1 区, Top 期刊**)
13. **J. -L. Wang**, Z. Qin, H. -N. Wu, and T. Huang, "Finite-time synchronization and H_infinity synchronization of multiweighted complex networks with adaptive state couplings", ***IEEE Transactions on Cybernetics***, vol. 50, no. 2, pp. 600-612, 2020. (**IF: 19.118, 中科院 1 区, Top 期刊**)
14. **J. -L. Wang,** X. -X. Zhang, H. -N. Wu, T. Huang and Q. Wang, "Finite-time passivity and synchronization of coupled reaction-diffusion neural networks with multiple weights", ***IEEE Transactions on Cybernetics***, vol. 49, no. 9, pp. 3385-3397, 2019. (**IF: 19.118, 中科院 1 区, Top 期刊**)
15. **J. -L. Wang**, Z. Qin, H. -N. Wu, and T. Huang, "Passivity and synchronization of coupled uncertain reaction-diffusion neural networks with multiple time-delays", ***IEEE Transactions on Neural Networks and Learning Systems***, vol. 30, no. 8, pp. 2434-2448, 2019. (**IF: 14.255, 中科院 1 区, Top 期刊**)
16. **J. -L. Wang**, P. -C. Wei, H. -N. Wu, T. Huang, and M. Xu, "Pinning synchronization of complex dynamical networks with multiweights", ***IEEE Transactions on Systems, Man and Cybernetics: Systems,*** vol. 49, no. 7, pp. 1357-1370, 2019. (**IF: 11.471, 中科院 1 区, Top 期刊, ESI-Highly Cited Paper**)
17. **J. -L. Wang**, Z. Qin, H. -N. Wu, T. Huang, and P. -C. Wei, "Analysis and pinning control for output synchronization and H_infinity output synchronization of multiweighted complex networks", ***IEEE Transactions on Cybernetics***, vol. 49, no. 4, pp. 1314-1326, 2019. (**IF: 19.118, 中科院 1 区, Top 期刊, ESI-Highly Cited Paper**)
18. **J. -L. Wang**, M. Xu, H. -N. Wu, and T. Huang, "Passivity analysis and pinning control of multi-weighted complex dynamical networks", ***IEEE Transactions on Network Science and Engineering***, vol. 6, no. 1, pp. 60-73, 2019. (**IF: 5.033, 中科院 2 区, Top 期刊, ESI-Highly Cited Paper**)
19. **J. -L. Wang**, H. -N. Wu, T. Huang, and M. Xu, "Output synchronization in coupled neural networks with and without external disturbances", ***IEEE Transactions on Control of Network Systems***, vol. 5, no.4, pp. 2049-2061, 2018. (**IF: 4.347, 中科院 3 区**)
20. **J. -L. Wang**, M. Xu, H. -N. Wu, and T. Huang, "Finite-time passivity of coupled neural networks with multiple weights", ***IEEE Transactions on Network Science and Engineering,*** vol. 5, no. 3, pp. 184-197, 2018. (**IF: 5.033, 中科院 2 区, Top 期刊**)
21. **J. -L. Wang**, H. -N. Wu, T. Huang, S. -Y. Ren, J. Wu, and X. -X. Zhang, "Analysis and control of output synchronization in directed and undirected complex dynamical networks", ***IEEE***

Transactions on Neural Networks and Learning Systems, vol. 29, no. 8, pp. 3326-3338, 2018 (**IF: 14.255，中科院 1 区, Top 期刊, ESI-Highly Cited Paper**)

22. **J. -L. Wang**, H. -N. Wu, T. Huang, S. -Y. Ren, and J. Wu, "Passivity and output synchronization of complex dynamical networks with fixed and adaptive coupling strength", ***IEEE Transactions on Neural Networks and Learning Systems,*** vol. 29, no. 2, pp. 364-376, 2018. (**IF: 14.255，中科院 1 区, Top 期刊, ESI-Highly Cited Paper**)
23. **J. -L. Wang**, H. -N. Wu, T. Huang, S. -Y. Ren, and J. Wu, "Passivity of directed and undirected complex dynamical networks with adaptive coupling weights", ***IEEE Transactions on Neural Networks and Learning Systems***, vol. 28, no. 8, pp. 1827-1839, 2017. (**IF: 14.255，中科院 1 区, Top 期刊, ESI-Highly Cited Paper**)
24. **J. -L. Wang**, H. -N. Wu, T. Huang, S. -Y. Ren, and J. Wu, "Passivitv analsis of coupled reaction-diffusion neural networks with Dirichlet boundary conditions", ***IEEE Transactions on Systems, Man and Cybernetics: Systems***, vol. 47, no. 8, pp. 2148-2159, 2017. (**IF: 11.471，中科院 1 区, Top 期刊**)
25. **J. -L. Wang**, H. -N. Wu, T. Huang, S. -Y. Ren, and J. Wu, "Pinning control for synchronization of coupled reaction-diffusion neural networks with directed topologies", ***IEEE Transactions on Systems, Man and Cybernetics: Systems***, vol. 46, no. 8, pp. 1109-1120, 2016 (**IF: 11.471, 中科院 1 区, Top 期刊, ESI-Highly Cited paper**)
26. **J. -L. Wang**, H. -N. Wu, T. Huang, and S. -Y. Ren, "Pinning control strategies for synchronization of linearly coupled neural networks with reaction-diffusion terms", ***IEEE Transactions on Neural Networks and Learning Systems***, vol. 27, no. 4, pp. 749-761, 2016 (**IF: 14.255，中科院 1 区, Top 期刊, ESI-Highly Cited Paper**)
27. **J. -L. Wang**, H. -N. Wu, T. Huang, and S. -Y. Ren, "Passivity and synchronizaton of linearly coupled reaction-diffusion neural networks with adaptive coupling", ***IEEE Transactions on Cybernetics***, vol. 45, no. 9, pp. 1942-1952, 2015. (**IF: 19.118，中科院 1 区, Top 期刊**)
28. **J. -L. Wang**, H. -N. Wu, and T. Huang, "Passivity-based synchronization of a class of complex dynamical networks with time-varying delay, ***Automatica***, vol. 56, pp. 105-112, 2015 (**IF: 6.150，中科院 2 区, Top 期刊, ESI-Hot Paper, ESI-Highly Cited Paper**)
29. **J. -L. Wang** and H. -N. Wu, "Synchronization and adaptive control of an array of linearly coupled reaction-diffusion neural networks with hybrid coupling", ***IEEE Transactions on Cybernetics***, vol. 44, no. 8, pp. 1350-1361, 2014. (**IF: 19.118，中科院 1 区, Top 期刊**)
30. **J. -L. Wang**, H. -N. Wu, and L. Guo, "Novel adaptive strategies for synchronization of linearly coupled neural networks with reaction-diffusion terms", ***IEEE Transactions on Neural Networks and Learning Systems***, vol. 25, no. 2, pp. 429-440, 2014. (**IF: 14.255，中科院 1 区, Top 期刊**)
31. **J. -L. Wang**, H. -N. Wu, and L. Guo, "Passivity and stability analysis of reaction-diffusion

neural networks with Dirichlet boundary conditions", ***IEEE Transactions on Neural Networks***, vol. 22, no. 12, pp. 2105-2116, 2011. (**IF: 14.255, 中科院 1 区, Top 期刊**)
