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**姓名:** 范可

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### 研究经历:

范可, 研究员(二级)、硕士/博士生导师, 中科院特聘研究员、国家“万人计划”科技领军人才、国家科技创新推进计划“中青年科技创新领军人才”、国家杰出青年科学基金获得者, 荣获2014年国家自然科学奖(二等奖)(第二完成人)、第十一届中国青年科技奖, 第七届全国优秀科技工作者、中国科学院优秀导师等荣誉。担任《统计气象学和气候预测》委员会主任、《大气科学》常务编委等。

研究领域是气候动力学和气候预测, 主要围绕台风、沙尘、季风等气候变异及气候预测开展研究。主要学术成果: (1) 研究中高纬过程对中国气候的重要影响和物理过程: 揭示了南极涛动及其纬向不对称性特征及其对我国气候(沙尘、夏季风、降水、台风)的重要影响及其机理, 并应用于气候预测; 揭示北极海冰对台风频次、中国北方沙尘、气温和降水的影响并应用于气候预测中; 揭示华南夏季降水年际变率强度在二十世纪90年代显著增强以及我国夏季降水年代际变化空间分布的新特征。(2) 研究气候预测理论和方法: 提出年际增量的预测方法、热带相似理论以及动力和统计结合的预测方法并建立若干气候预测模型。已培养的博士研究生中, 曾荣获中国科学院院长特别奖、中国科学院院长优秀奖、中科院朱李月华优秀博士生奖、国家奖学金等荣誉。

### 任职经历:

### 研究项目:

已发表论文90多篇, 有50多篇被SCI收录, 专著一部(第二完成人)。曾经主持国家杰出青年基金、公益性行业(气象)专项(项目负责人)、973课题等。现承担创新群体项目(骨干)、国家自然科学基金重点和面上项目(项目负责人)等。

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范可为第一作者均是通讯作者, \*表示范可为通讯作者, 学生第一作者

[1]. Fan, Y., K. Fan\*, Z. Q. Xu, and S. Li, 2018: ENSO-South China Sea summer monsoon interaction modulated by the Atlantic Multidecadal Oscillation. *Journal of Climate*, 31: 3061-3076.

[2]. Tian, B. Q., K. Fan and H. Q. Yang, 2018: East Asian winter monsoon forecasting schemes based on the NCEP's Climate Forecast System. *Climate Dynamics*, 51: 2793-2805.

[3]. Dai, H., K. Fan\* and B. Q. Tian, 2018, A hybrid downscaling model for winter temperature over northeast China. *Int. J. Climatol*, 38: e349-e363.

[4]. Li, X. R., K. Fan\*, and E. T. Yu, 2018: A Heavy Rainfall Event in Autumn over Beijing-Atmospheric Circulation Background and Hindcast Simulation using the WRF Model. *Journal of Meteorological Research*, 32, 503-515.

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[6]. Fan, K., Z. M. Xie, H. J. Wang, Z. Q. Xu, and J. P. Liu, 2017: Frequency of spring dust weather in North China linked to sea ice variability in the Barents Sea, *Climate Dynamics*, doi: 10.1007/s00382-016-3515-7.

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## 合作成员



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